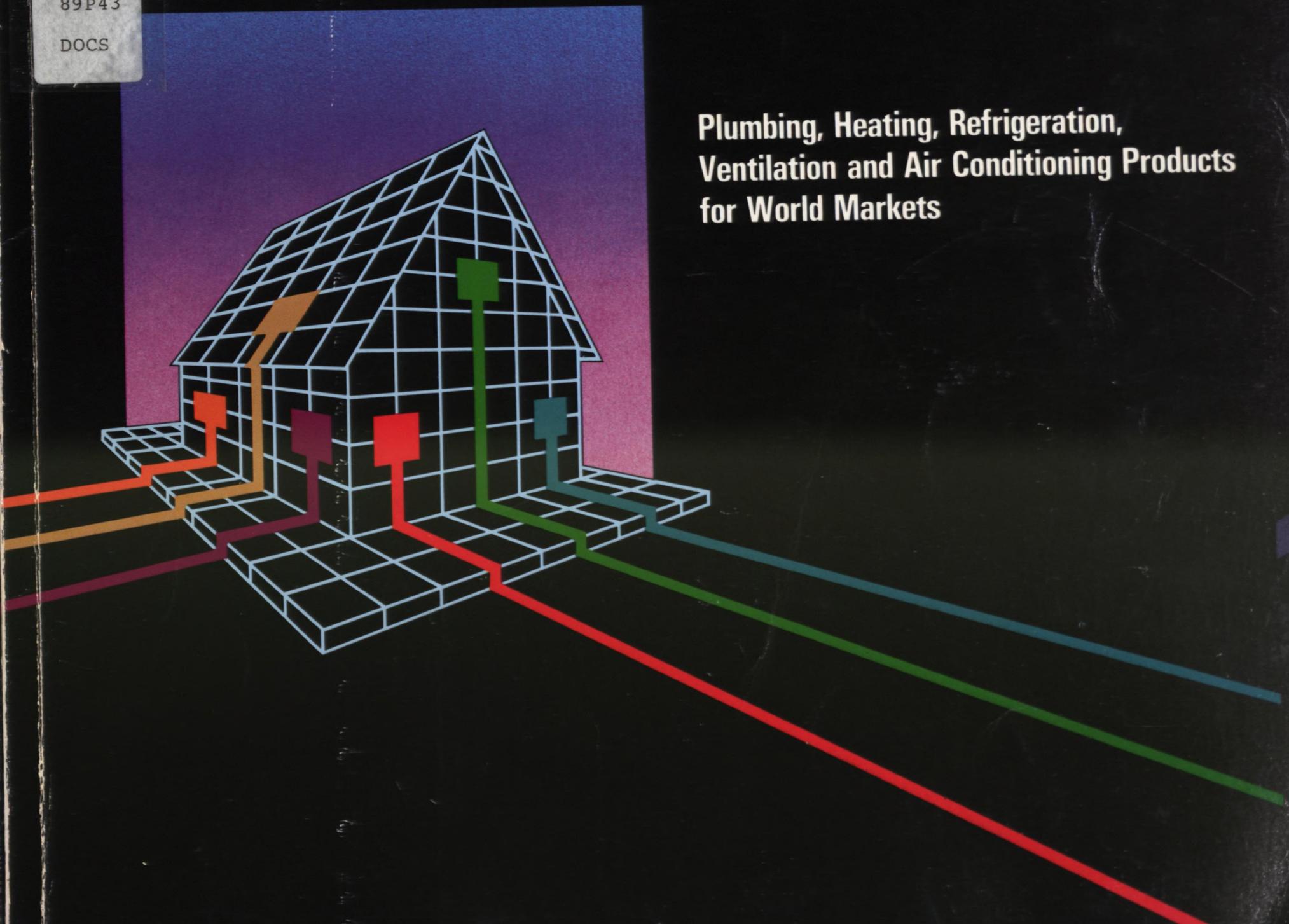


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**Plumbing, Heating, Refrigeration,  
Ventilation and Air Conditioning Products  
for World Markets**

Canada



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For additional information about the companies and products in this catalogue, please contact the specific company directly or get in touch with the Canadian trade commissioner at the nearest Canadian embassy or consulate, or write to the following addresses:

PHRVAC Products  
U.S. Trade and Investment  
Development Branch  
External Affairs and  
International Trade Canada  
125 Sussex Drive  
Ottawa, Ontario  
Canada K1A 0G2

or

Machinery and Electrical Equipment  
Directorate  
Industry, Science and Technology Canada  
235 Queen Street  
Ottawa, Ontario  
Canada K1A 0H5

CAI EA 409 89P43

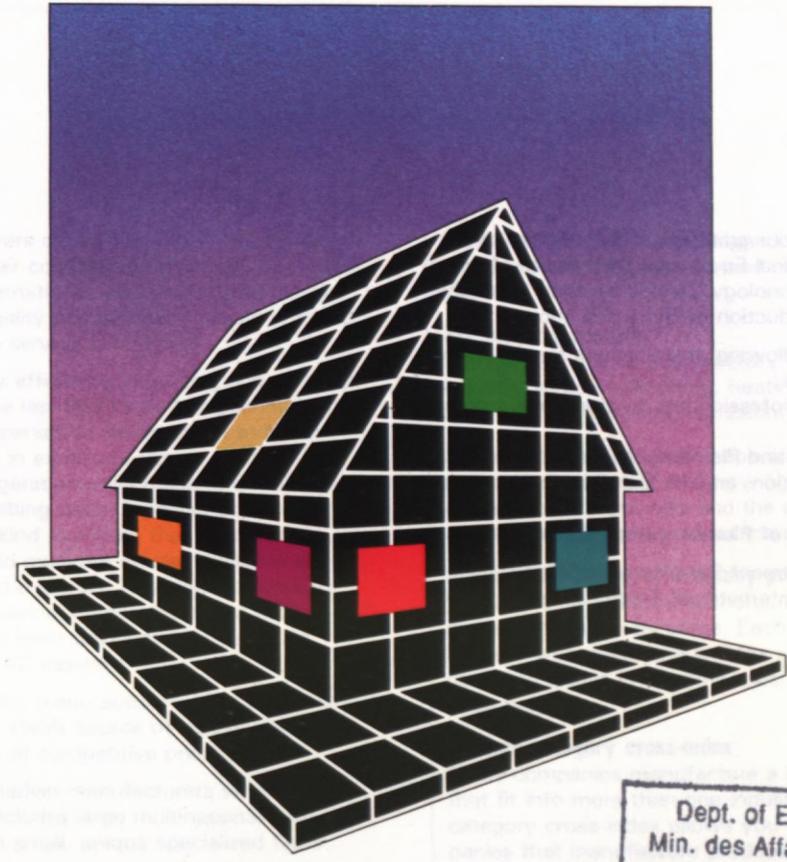
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# Plumbing, Heating, Refrigeration, Ventilation and Air Conditioning Products for World Markets

Contents Introduction How to Use This Directory

3	Introduction
4	Alphabetical List of Companies by Category
15	Plumbing
23	Heating
29	Solar Fuel
38	Refrigeration
108	Ventilation
121	Air Conditioning
133	Canadian Standards Association
137	Product Category Cross-Index

43-265-368



Canadian manufacturers in this directory are listed in alphabetical order by province and territory. The listing is intended to be a definitive listing of all Canadian PHRVAC manufacturers, although every effort has been made to include most Canadian exporters. The product information contained in this directory was provided in answer to a questionnaire sent to all known manufacturers of PHRVAC products in Canada.

This publication will acquaint foreign buyers with Canadian exporters of plumbing, heating, refrigeration, ventilation and air conditioning (PHRVAC) products. The directory is not intended to be a definitive listing of all Canadian PHRVAC manufacturers, although every effort has been made to include most Canadian exporters. The product information contained in this directory was provided in answer to a questionnaire sent to all known manufacturers of PHRVAC products in Canada.

Dept. of External Affairs  
Min. des Affaires extérieures

NOV 9 1992

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## Acknowledgements

We wish to express our gratitude to the officers of the Machinery and Electrical Equipment Directorate of Industry, Science and Technology Canada for their invaluable assistance in the production of this publication.

We also thank the following organizations for the use of their membership lists:

- Association des professionnels du chauffage à combustible solide
- Canadian Heating and Plumbing Association
- Heating, Refrigeration, and Air Conditioning Institute of Canada
- Canadian Institute of Plumbing and Heating

U.S. Trade and Investment Development Branch  
External Affairs and International Trade Canada

## Contents

Introduction	3
Alphabetical List of Companies by Category	4
Plumbing	15
Heating	53
Solid Fuel	79
Refrigeration	95
Ventilation	105
Air Conditioning	121
Canadian Standards Association	133
Product Category Cross-Index	137

## Alphabetical List of Companies by Category (continued)

### Plumbing Companies (continued)

Enco Products

Enco Products

Enco Products Ltd.

Enco Industries (1963) Ltd.

Enco Products Ltd.

Enman Manufacturing

Enco North Products Inc.

Enco Products Ltd.

Enco Canada Inc.

Enco Associates Ltd.

Enco Corp. Ltd.

Enco Enterprises (1970) Inc.

Enco Products (1970) Ltd.

Enco Thermoplastics (1970) Inc.

Enco Industries Inc.

Enco M. Coram

Enco J. Speciosa (28122 Ontario Ltd.)

Enco Products (Canada) Ltd.

Enco Manufacturing Inc.

Enco Industries Inc.

Enco Fiberglass Inc.

Enco Industries Limited

Enco

## Introduction

Canadian manufacturers of plumbing, heating, refrigeration, ventilation and air conditioning (PHRVAC) products are recognized in international markets for their design expertise, product quality and competitiveness in terms of price, delivery and service.

The thrust for greater efficiency in heating and air conditioning systems in the last few years has pushed innovative Canadian companies to the forefront in North America. Efficiencies in excess of 80 per cent for furnaces, fans and refrigeration units made in Canada are common. In the plumbing field, Canadian achievements range from one-of-a-kind fountains that send water dancing with light and music to efficient, reliable submersible thermal plastic pumps. New technologies for hydronic and solar heating, compressors and heat exchangers have also been developed by Canada's highly capable PHRVAC industry.

The Canadian PHRVAC manufacturers offer customers worldwide a reliable, stable source of well-designed, high-quality products at competitive prices.

This directory of Canadian manufacturers who export PHRVAC products includes large multinational companies as well as the small, unique specialized firms.

### Products

This catalogue does not include products solely intended for industrial applications, nor does it include food and beverage heating equipment, nor domestic refrigerators. These products are covered in other directories.

## How to Use This Directory

This directory has been designed to help the reader easily identify the products and manufacturers of interest.

### Six industry sectors

The six sections of this directory represent the major industry sectors: plumbing, heating (excluding solid fuel), solid fuel, refrigeration, ventilation and air conditioning.

Air conditioning has been separated from refrigeration in acknowledgement of the growing demand for energy efficient air conditioners and the design strength and expertise of Canadian manufacturers in this field.

### Alphabetical listing of company profiles

Within the six industry sections, companies are listed in alphabetical order by name. Each listing includes the full address with telephone and fax numbers and a brief company profile. The companies appear in the directory once only.

### Product category cross-index

Many companies manufacture a broad range of products that fit into more than one industry sector. The product category cross-index allows you to identify the companies that manufacture products in the specific categories. Under each category, you will find the names of manufacturers of that product with a reference to the section of the directory where each company is described. Additional details about a specific company can then be obtained by turning to the appropriate section in the alphabetical directory.

The product categories are listed in alphabetical order because many products such as pipe are generic by nature and cannot be definitively categorized as a plumbing, heating, refrigeration, ventilation or air conditioning product.

## Alphabetical List of Companies by Category

### Plumbing Companies

Aciflex Industries Inc.	16
Aciform Engineering Inc.	16
Acrylica Inc.	17
Alex Milne Associates Ltd.	18
Almico Plastics Limited	18
Ancon International Inc.	19
Architectural Metal Industries	19
Bath Magic Inc.	20
Bercan Environmental Resources Inc.	20
Bonneville Fiberglass Inc.	21
Bow Plastics Ltd.	21
Cambridge Brass	22
Canacrylic Products Inc.	22
Canplas Industries Ltd.	23
Cello Products Inc.	23
Centoco Plastics Limited	24
Crane Canada Inc.	24
Crystal Fountains	25
Danfoss Manufacturing Co. Ltd.	26
Die-Mold Tool Ltd.	26
DRANJER Corporation	27
DUNDAS-JAFINE Industries Ltd.	27
Dynesco Inc.	27

## Alphabetical List of Companies by Category (continued)

### Plumbing Companies (continued)

Emco Products	28
Fasco Products	28
FIAT Products Ltd.	29
Fleurco Industries (1963) Ltd.	30
Frost Products Ltd.	31
Germain Manufacturing	31
Great North Products Inc.	31
Guardsman Products Ltd.	32
Jenkins Canada Inc.	32
L.E. Taylor Associates Ltd.	33
Leisure Baths Ltd.	33
Les Entreprises MDG 3020 Inc.	34
Les Plastiques MC Ltée	35
Les Thermoformages ACRIMAX Inc.	35
Lorenzo Industries Inc.	36
M.B.M. Ceramics	37
M & J Specialties (29122 Ontario Ltd.)	37
Manhattan Products (Canada) Ltd.	38
Mifab Manufacturing Inc.	38
Mirolin Industries Inc.	39
Modern Fiberglass Inc.	40
Monarch Industries Limited	41

**Alphabetical List of  
Companies by Category (continued)**

**Plumbing Companies (continued)**

Nolar Industries Ltd.	41
Nova International	41
PEM Fountain Co.	42
Regal Medi-Spa Co. Inc.	42
Rototech-Smith	43
S.A. Armstrong Limited	43
Sancor Industries Ltd.	44
Sanitation Equipment Limited	44
Scepter Manufacturing Co. Ltd.	45
Smart Turner Limited	46
Spartan of Canada	46
Twincee Limited	47
Valley Fibrebath Ltd.	48
Valley Metal Products Ltd.	48
Waltec Faucets	48
Waltec Sinkware	49
Waterline Products Co. Ltd.	50
Watts Regulator of Canada Ltd.	51
Wessan Plumbing Manufacturing Ltd.	51
York Energy Conservation	52

**Alphabetical List of  
Companies by Category (continued)**

Alphabetical List of  
Companies by Category (continued)

**Heating Companies**

Heating Companies (continued)

ACME Vessels and Metal Ltd.	54
Aero Environmental Limited	54
All Tech Energy Systems Ltd.	55
Allied Engineering Company	56
Broan Limited	56
CALORITECH Inc.	57
Candaplan Resources Inc.	57
Chromalox Inc.	58
CIS-CAN Sales (Western) Ltd.	58
Climate Master Inc.	59
DMO Industries	59
Dettson Inc.	60
Ductlok	60
Eclat Air Exchange Systems Inc.	60
F.P. Industries Inc.	61
Fiberglas Canada Inc.	61
Franklin Electric of Canada Ltd.	62
FRENGER Canada Inc.	62
Fuel-Guard Division	63
GSW Water Products Company	63
Giant Factories Inc.	64
Hamlet & Garneau Inc.	64
Hoyme Manufacturing Inc.	65

Vissmann Manufacturing Company Inc.

Western Electric Heating Inc.

**Alphabetical List of  
Companies by Category (continued)**

**Heating Companies (continued)**

ISKO Heat Exchangers Ltd.	65
Kerr Controls Ltd.	66
Liberty Boilers and Mechanical Services Inc.	66
Miura Boiler Co. Ltd.	67
Newmac Mfg. Inc.	67
New Yorker Boiler Co. Ltd.	68
Ouellet Canada Inc.	68
P.M. Wright Ltd.	68
Peninsula Fittings Ltd.	69
Powrmatic of Canada Ltd.	69
RAB Dedesco Ltd.	70
RUFFNECK Heaters	70
Solcan Ltd.	71
Stelpro Limited	72
Sunfire Mfg.	72
Talarico 132364 Canada Inc.	73
tekmar Control Systems Ltd.	73
Temprite Industries Limited	74
Thermofilm Corporation	74
Thermofire Boiler Inc.	75
Trent Metals Limited	75
Unifin International	76
Unilux Manufacturing Co. Inc.	76
Viessmann Manufacturing Company Inc.	77
Westcan Electric Heating Inc.	78

## Alphabetical List of Companies by Category (continued)

### Solid Fuel Companies

APR Industries Ltd.	80
Canadian KemStone Mats Inc.	80
Cascade/Triumph Manufacturing Ltd.	80
Cenergy Fireplace Inc.	81
Cool Crete Canada	82
Elmira Stove & Fireplace	82
Enterprise Fawcett Inc.	83
Forest Fuel	84
Forge Fireplace Systems	84
Haugh's Products	84
Hunter Enterprises Ltd.	85
James A. Ryder Mfg. Inc.	86
KA-Heat Kachelofen Ltd.	86
O'Dette Energies of Canada Ltd.	87
Oliver-MacLeod Limited	88
Osburn Manufacturing Inc.	88
P.S.G. Distribution Inc.	89
R. Bossé Inc.	90
RSF Energy Ltd.	91
Regency Industries Ltd.	91
Security Chimneys Ltd.	92
W.R. Benjamin Products Ltd.	93
Wolf Steel Ltd.	94

Alphabetical List of  
Companies by Category (continued)

Refrigeration Companies

Aero Heat Exchanger Inc.	96
Blanchard-Ness Limited	96
CBR Technologies Ltd.	97
Can-Arctic Refrigeration Inc.	97
Cancoil Thermal Corporation	98
Clark Door of Canada Ltd.	98
ESD Industries Inc.	98
Foster Refrigerator of Canada	99
General Refrigeration Inc.	100
Greystone Energy Systems Inc.	100
Habco Beverage Systems Inc.	100
Hussmann Store Equipment Ltd.	101
Malnar Industries Ltd.	102
Metal Mend Inc.	102
Sandvik Process Systems Canada Limited	103
Stamford Metal Products Ltd.	103
W.C. Wood Company Limited	103
Wolverine Tube (Canada) Inc.	104

## Alphabetical List of Companies by Category (continued)

### Ventilation Companies

ACME Engineering Products Ltd.	106
AIRMART HVAC Inc.	106
Aston Industries Inc.	107
CML Northern Blower Inc.	107
Conservation Energy Systems	108
Conserval Engineering Inc.	108
Dectron Inc.	109
Del-Air Systems Ltd.	110
Delta Controls Inc.	110
Engineering Dynamics Ltd.	111
Environment Air Ltd.	111
Five Seasons Comfort Limited	112
IAQ Indoor Air Quality Services Inc.	112
M & I Heat Transfer Products Ltd.	113
M.K. Plastics Corp.	113
McCarthy Robinson Inc.	114
Multi-Jet Corporation	114
Nailor-Hart Industries Inc.	115
Newtec Industries Ltd.	115
Nutech Energy Systems Inc.	116

Alphabetical List of  
Companies by Category (continued)

Ventilation Companies (continued)

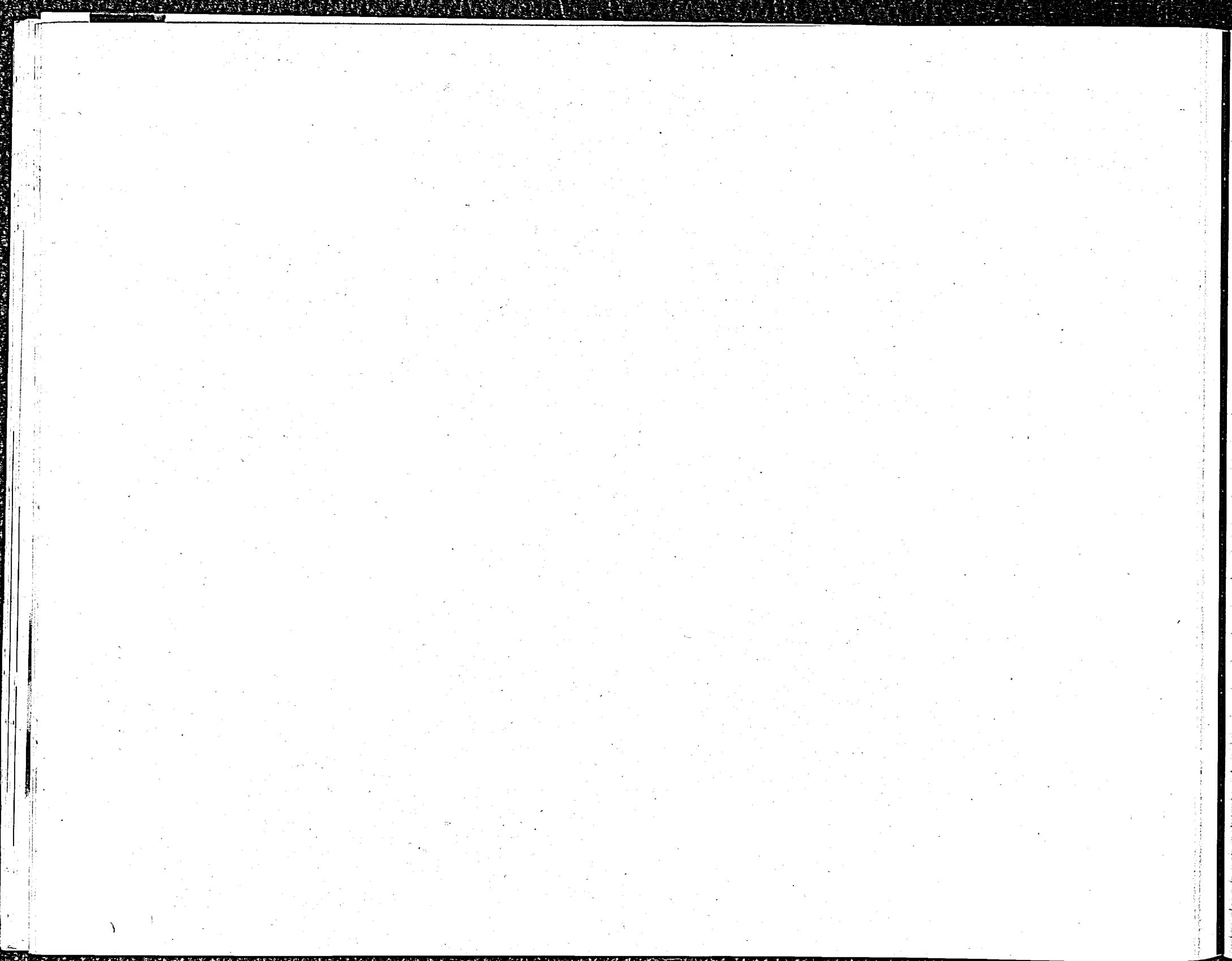
Preston-Brock Manufacturing Co. Ltd.	116
Reversomatic Heating & Manufacturing Ltd.	117
Sheldons Engineering	118
Star Heat Exchangers	118
Venmar Lisi Inc.	119
Venmar Ventilation Inc.	120
Vibron Limited	120

# Plumbing

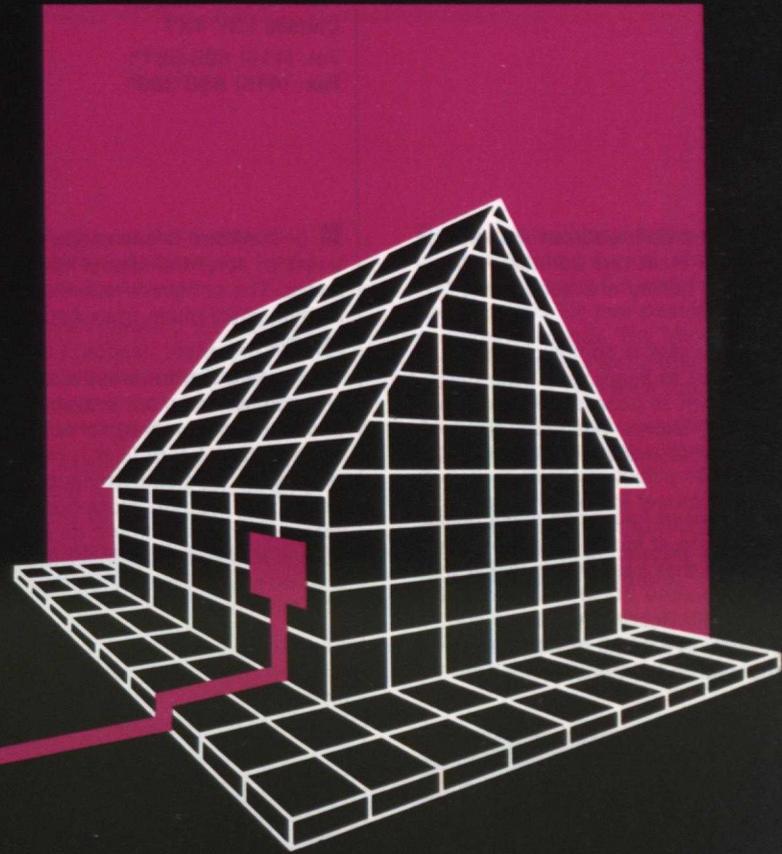
## Alphabetical List of Companies by Category (continued)

### Air Conditioning Companies

Axewood Company Ltd.	122
CANAIRTECH Inc.	122
CHINOOK PHI-BETA Corporation	122
Climate Comfort Systems Inc.	123
Delhi Industries Inc.	123
Ecotherm Inc.	124
HiRoss Canada Inc.	124
KeepKool Heat Transfer Inc.	125
KeepRite Inc.	125
Lennox Industries (Canada) Ltd.	126
Les Entreprises de Climatisation et Chauffage André Boucher Ltée	127
NORTEC Air Conditioning Industries Ltd.	127
Philip Doyle Manufacturing Inc.	128
Ref Tube Inc.	128
Relcon Inc.	129
ROSEMEX Inc.	129
Skymark Metal Manufacturers Inc.	130
SyTec Enclosures Canada Inc.	130
Temspec Inc.	131
Valera Electronics Inc.	132



# Plumbing



**Aciflex Industries Inc.**

3600, rue Richelieu  
Saint-Hubert, Québec  
Canada J3Y 7B1

Tel: (514) 678-9221

Fax: (514) 443-3840

■ Aciflex specializes in the do-it-yourself market and produces a variety of shower stalls and bathtub walls recognized for their excellent quality and convenient design.

The one-piece Riviera shower stall is compact, attractive, simple to install and easy to keep clean. The basic model is offered complete with all accessories such as shower curtain, brass faucet, shower head and drain. The deluxe model includes an aluminum frame enclosure and an optional shower door.

The Mirage 2000 shower cabinet has a neo-angle design for high strength and easy care. It is the only shower of its type to offer sliding doors that keep water inside the cabinet. The space-saving Shadow 2000 has a bowed front that adds to its elegance. Decorative stripes and handles, available in an attractive range of colours for both models, can be changed to harmonize with new decorating schemes.

In bath walls, Aciflex offers the Futura with an attractive printed line background, and the elegant Cyprex with its projecting shelves. The Monopro has side panels that enclose six soap dishes and shampoo bottles and the luxurious, five-panel Supreme bath wall incorporates two towel racks and a soap dish.

Aciflex also manufactures easy-clean single and double laundry tubs.

**Acriform Engineering Inc.**

395 Mulock Drive  
Newmarket, Ontario  
Canada L3Y 4X7

Tel: (416) 898-5511

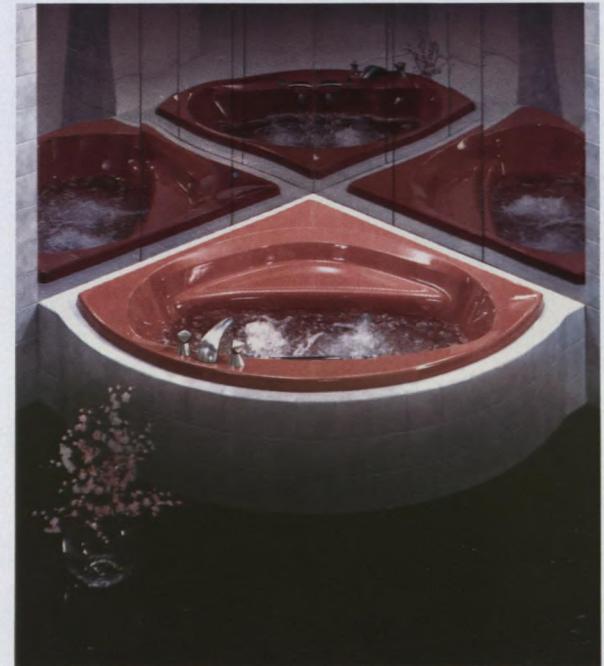
Fax: (416) 898-3061

■ Acriform is one of Canada's best-known manufacturers of acrylic whirlpool baths, bathtubs and shower bases. The company recently added a complete line of kitchen sinks made from Asterite, a silica quartz based material.

The elegant Acriform bathtubs, designed for comfort and convenience, are available in a choice of 30 pastel and high-fashion designer colours. Models range from the standard 1.5 m (5 ft.), replacement size of the classic Prelude tubs and whirlpools to the luxurious Contessa Series that features extra-depth units built for two persons. To complement its bathtub line, Acriform offers fittings in a choice of seven finishes, from polished chrome to satin gold. Electronic controls are standard on all whirlpools.

Acriform uses the same lustrous, easy-to-clean acrylic for its shower bases as for its tubs. The strong, durable shower bases feature an integral splash lip flange and extrusion strip to ensure a water-tight seal.

In addition to its superior quality bathroom fixtures, Acriform produces Asterite Kitchen Centres in a choice of configurations and a full range of custom-fitted accessories. These high-efficiency work centres offer stain-resistance, heat resistance, style, colour and outstanding practicality.



The Acriform Contessa III luxurious whirlpool is generously sized for one bather and ideal for two.

Ancon International Inc.  
 1160 Belamy Road North  
 Scarborough, Ontario  
 Canada M1H 1H2  
 Tel: (416) 438-7440  
 Fax: (416) 438-8249



Food preparation is made easy with this attractive two-and-a-half bowl Model 2500 Advantage Kitchen Centre from Acriform.

**Acrylica Inc.**  
 600, route Cameron  
 Sainte-Marie de Beauce, Québec  
 Canada G6E 1B2  
 Tel: (418) 387-4155  
 Fax: (418) 387-3507

■ Superior quality and design are the outstanding characteristics that identify the acrylic bathtubs, whirlpools, showers and spas made by Acrylica.

The company's designers have combined the best features of North American and European bathroom fixtures to create new shapes and styles that are more comfortable and convenient than conventional tubs because they conform better to the human body.

The wide range of luxurious Acrylica models include the Builder Series of wide tubs and whirlpools produced in easy-to-install standard lengths for the retrofit market.



The new generation Acrylica whirlpool shaped from superior quality acrylic offers the ultimate in comfort and luxury.

The Vivaldi whirlpool baths are designed wide and deep for complete immersion. The elegant Vice-Versa bath with its integral grips and armrests is luxurious for one and spacious for two people. The Esquina is a classical corner-shaped tub. The Melodie is a new generation whirlpool shaped for unmatched comfort and convenience with a two-level tub bottom.

All Acrylica bathtub, whirlpool and spa models are manufactured from the finest acrylic 0.3 cm (0.125 in.) thick in a rainbow choice of modern colours. Every product is quality control tested for structural integrity, construction and finish. Acrylica offers an excellent selection of trim kits in chrome, polished brass, antique brass and gold for its products.

Acrylica also produces a variety of acrylic shower stalls. Like the Acrylica bathtubs, they represent the best quality on the market.



The elegant Acrylica corner shower combination is designed for spaces large and small.

**Alex Milne Associates Ltd.**  
 123 Eastside Drive  
 Toronto, Ontario  
 Canada M8Z 5S5  
 Tel: (416) 232-0993  
 Fax: (416) 232-0989

■ An innovative group specializing in chemical products, Alex Milne formulates, produces, licenses and exports unique chemicals to solve specific problems in household, recreational, institutional and industrial environments.

TRACTION PLUS is a one-time, non-slip treatment for all porcelain tubs. A single 114 ml (4 oz.) bottle of TRACTION PLUS effectively increases by up to 300 per cent the traction in tubs and showers in homes, hotels, motels, hospitals and other institutions. A floor grade TRACTION PLUS may be used on any quarry or ceramic tile surface such as stairs, entranceways, pool decks, shower rooms and locker rooms. One such treatment, applied by a qualified crew, will last up to five years.

HEAD-O-MATIC from Alex Milne is a proven non-formaldehyde toilet chemical designed for all portables and toilets in aircraft, recreational vehicles, boats and other transport. Initially formulated for airlines more than 10 years ago, HEAD-O-MATIC remains the leading chemical of its kind in North America today.

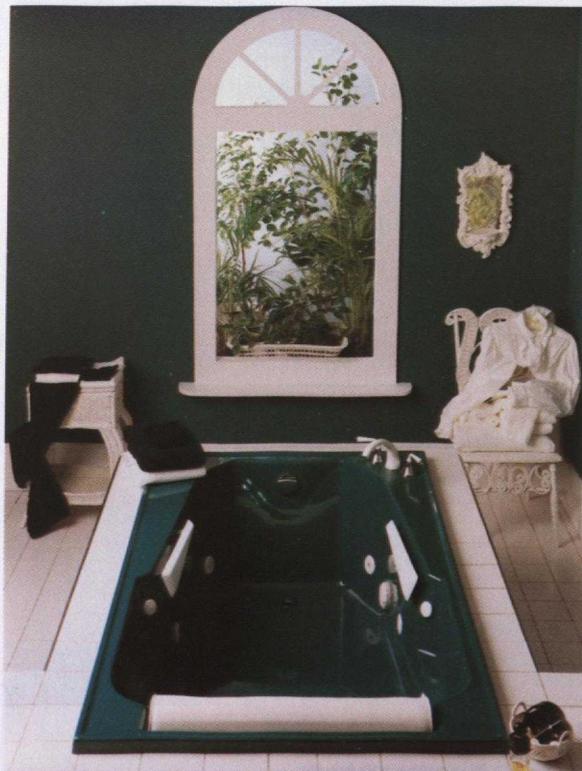


TRACTION-PLUS is a one-time, non-slip treatment for all porcelain tubs — fast, effective and kind to the environment.

**Almico Plastics Limited**  
 60 California Avenue  
 Brockville, Ontario  
 Canada K6V 6G3  
 Tel: (613) 345-6000  
 Fax: (613) 345-6947

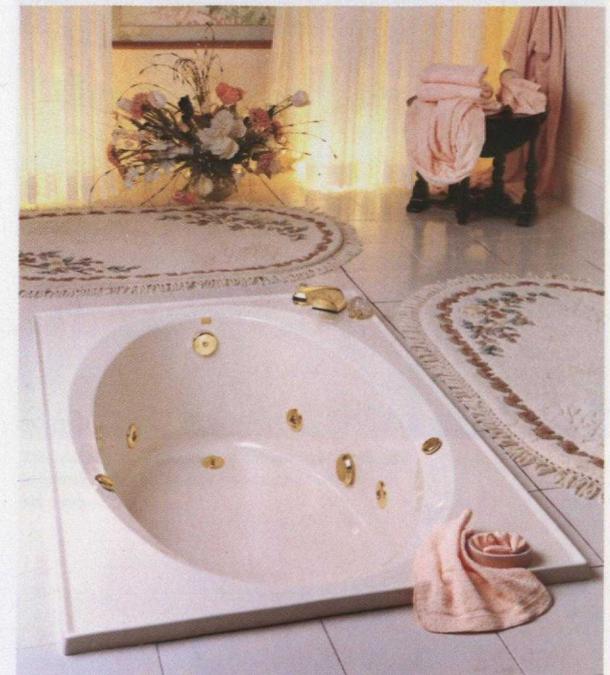
■ Almico shapes the finest acrylic into luxurious bathtubs, whirlpools, tub and shower enclosures as well as sinks and other related products for the home. Best known for its luxurious whirlpools that offer unmatched comfort and style, Almico has expanded its product line with models customized to the needs of the middle and low-end markets.

Almico bathtubs and whirlpools range from the basic 1.5 m- (5 ft.) long models designed for the retrofit market to elegant whirlpools large enough for two people. The Almico V.I.P. whirlpool, for example, offers a



slip-resistant surface; chrome, polished brass or antique brass handles; contoured back, complete with head cushions and arm rests; eight water jets; and water depth for complete submersion.

Almico has become a major presence in the acrylic bathware industry with a strong wholesale and distribution channel throughout Canada and the eastern United States.



The Crystal and Tara whirlpools offer luxurious comfort in a broad range of standard and designer colours. All models are UL Listed and CSA Certified.

**Ancon International Inc.**

1160 Bellamy Road North  
Scarborough, Ontario  
Canada M1H 1H2

Tel: (416) 438-7440

Fax: (416) 438-8249

■ One of the oldest drain manufacturers in the industry, Ancon produces an extensive range of modular cast iron floor drains, roof drains and cleanouts, with interchangeable flashing clamp rings, deck clamps and extensions. Polished nickel bronze or polished bronze surfaces on Ancon drain products are treated with Duraseal™ an electrostatically applied baked-on clear powder epoxy coating with excellent abrasion and corrosion resistant properties. Most Ancon drains are equipped with a neoprene gasket seal that eliminates the need for expensive no-hub clamps, caulking or threaded outlets.

Ancon cast iron and ductile iron gates are produced with a maximum 1.5 cm (3/8 in.) opening design to ensure that large solids will not drop through to clog drain lines. No special provisions are required for high heel, wheelchair or bicycle traffic. Ancon grates are treated with an epoxy finish to inhibit rust and discolouration.

The Ancon design of combined access cover and clean-out plug in CO-100 and CO-200 series ensures that the cleanout remains gas tight as long as the cover/plug is in place. Emergency access is quick and simple.

The Ancon carrier-fitting for water closets designed for installation with dry wall construction, can be used for both standard and wheelchair rough-in heights. The reversible faceplate makes the product suitable for siphon-jet and blow-out water closets.

Ancon markets its excellent products through wholesalers across North America.

**Architectural Metal Industries**

1775 Drew Road  
Mississauga, Ontario  
Canada L5S 1J5

Tel: (416) 677-7500

Fax: (416) 677-4960

■ Specialist in stainless steel, Architectural Metal is one of Canada's leading manufacturers of such products as commercial sinks, laboratory and hospital scrub-up units, counters, cabinets, drinking fountains and grab bars.

The company's line of stainless steel sinks includes single-bowl, double-bowl and triple-bowl units with and without ledges in a wide selection of sizes; offset ledge and space-saver sinks; and special application sinks designed for kitchen centres and home bars. For hospitals, Architectural Metal produces surgeon's scrub-up

sinks in a variety of styles; surgeon's scrub stations with electronic faucets and soap dispensers for up to three persons; drawn-bowl scullery sinks; utility sinks; and general purpose drainboard sinks.

For commercial applications, Architectural Metal manufactures fully equipped bar stations and custom-designed products to the client's specifications.



Stainless steel products such as commercial sinks, laboratory and hospital scrub-up units, counters and cabinets are the specialty of Architectural Metal Industries.

**Bath Magic Inc.**  
 860, boulevard Industriel  
 Saint-Eustache, Québec  
 Canada J7R 5V3  
 Tel: (514) 472-0024  
 Fax: (514) 472-5023

■ Bath Magic produces elegant acrylic bathtub lines and bathwalls that modernize and completely transform the bathtub area in a few hours.

Custom-moulded BATH-MAGIC™ Tub liners offer a unique and practical alternative to the high cost of bathroom remodelling. In just two hours, a new BATH-MAGIC™ acrylic tub liner can be installed over the existing bathtub without disturbing walls, tiles, plumbing or floors. Custom moulding ensures a snug made-to-measure fit. Shaped from the finest high-gloss acrylic surfaced material, the tub liner is warm to the touch, comfortable and easy to keep clean.

The custom-formed BATH-MAGIC™ acrylic bathwall is a seamless, one-piece unit that exactly covers the area from tub to ceiling. As there are no corner joints to caulk, the unit is virtually maintenance-free. Installation can be completed over existing tile or wallboard in two to three hours.

BATH-MAGIC™ is a popular renovation tool in North America.

**Bercan Environmental Resources Inc.**  
 6028 Mount View Road  
 Lantzville, British Columbia  
 Canada V0R 2H0  
 Tel: (604) 390-3113  
 Fax: (604) 390-4541

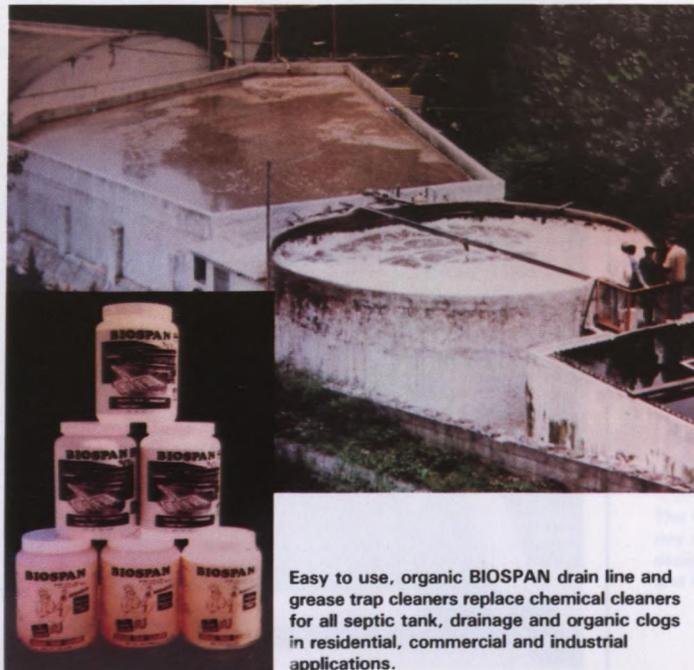
■ The non-poisonous, non-corrosive BIOSPAN line of organic cleaners and septic tank activators manufactured by Bercan for drain lines, grease traps and septic systems offers an effective replacement for chemical cleaners that pollute the environment and harm pipes and fixtures.

The easy-to-use BIOSPAN drain line and grease trap cleaners formulated for residential, commercial and industrial use, not only clean the organic clogs from drain traps and hundreds of feet of drain line but bio-digest the deposits to eliminate pollution. They also remove any noxious odours from all organic matter under decomposition.

In septic tank treatment, the BIOSPAN cleaner liquefies the organic wastes in the tank; kills offensive odours;

and cleans the lines going to and from the tank, as well as into the septic field, and the perforated lines below ground beds of drainage gravel. It also digests soaps and greases and accelerates the bacterial action to keep the entire system operating efficiently.

BIOSPAN products are used by municipalities in North America, Europe and Japan to correct and prevent problems with digestion and anaerobic or aerobic fermentation of waste in sewer treatment plants. Other common applications of BIOSPAN include waste management in hotels, motels, restaurants, trailer courts, canneries, aquaculture, wineries, distilleries, animal feed lots, abattoirs, hog ranches, poultry farms, hospitals and other institutions. BIOSPAN can be used to clean polluted estuaries, lakes, rivers and streams.



The effect of BIOSPAN is dramatically shown in this view of the wastewater system at a large hog farm. The brown liquid manure in the first digester becomes a non-polluting clean blue after treatment with the organic cleaner.

Easy to use, organic BIOSPAN drain line and grease trap cleaners replace chemical cleaners for all septic tank, drainage and organic clogs in residential, commercial and industrial applications.

**Bonneville Fiberglass Inc.**

601, boulevard de l'Industrie  
Beloeil, Québec  
Canada J3G 4S5

Tel: (514) 464-1001

Fax: (514) 467-8120

■ Bonneville offers consumers both luxury acrylic and convenient fibreglass bathtubs and shower units that meet the demands of every segment of the new construction and retrofit residential market. All products are offered in a choice of white, bone and grey that match the most popular colours of other leading-brand bathroom fixtures.

The Bonneville acrylic line includes the classical tubs with whirlpool options; oval tubs and extra wide and long tubs with headrests and whirlpool options; space-saving corner tubs with comfort features and whirlpool options; and luxurious tubs built for two. The beautiful Bonneville acrylic tub and shower combinations, available with whirlpool options, incorporate towel racks and other convenience features. Easy-to-install acrylic shower units are offered in a choice of sizes and styles.

In fibreglass, Bonneville produces tub and shower combinations and a variety of shower units and enclosures designed for do-it-yourself installation.

**Bow Plastics Ltd.**

5700, rue Côte de Liesse  
Montréal, Québec  
Canada H4T 1B1

Tel: (514) 735-5671

Fax: (514) 735-8636

■ Bow Plastics is a prominent Canadian manufacturer of plumbing products for residential applications. The company holds a large share of the domestic market because of the reliable quality of its products and its excellent customer service.

BOW POLY-B polybutylene pipe and fittings, ranging from 1 to 5 cm ( $\frac{1}{4}$  to 2 in.), are designed for potable hot and cold water service and under-floor radiant heating. The PYRO-FLEX line of pipe and fittings meets the requirements of fire-sprinkling systems. The company also offers the plumbing industry the MULTI-FLEX modular manifold system.

The FLO-TEMP family of CPVC hot and cold water pipe and fittings, produced by Bow in 1.3, 1.9 and 2.5 cm ( $\frac{1}{2}$ ,  $\frac{3}{4}$  and 1 in.) diameters, are designed for easy solvent welding assembly.

The Bow product range includes ABS drain waste and vent pipe with fittings in 3.2 to 15 cm ( $1\frac{1}{4}$  to 6 in.) sizes, as well as bath waste overflow systems with decorator finishes.

In addition to pipe and fittings, Bow manufactures the AQUA-SERIES complete line of bar sinks, vanity sinks and laundry tubs in a choice of shapes, styles and sizes.



Bow Plastics offers a broad range of bar sinks, vanity sinks and laundry tubs made of tough, easy-clean materials in a choice of attractive shapes, colours and sizes.

**Cambridge Brass**  
 P.O. Box 249  
 140 Orion Place  
 Cambridge, Ontario  
 Canada N1R 5V1  
 Tel: (519) 621-5520  
 Fax: (519) 621-8038

■ For more than 80 years, Cambridge Brass has been the leading Canadian supplier of commercial and industrial plumbing products to laboratories, universities, schools, public buildings, municipal water utilities, prison and health-care facilities. Cambridge Brass has a continuing policy of customer service and maintains a quality product for today's market with insights into the future.

TECK products from Cambridge Brass include institutional and laboratory faucets and gas valves, tempus metering valves, and urinal and water closet flushvalves; municipal (corporation) brass and stainless steel clamps and saddles.

The Cambridge Brass ARISTALINE and ARISTA SECURITYWARE lines offer a wide range of stainless steel sinks and prison securityware.

The company recently introduced the AQUAMAT 'no touch' faucets and valves that are activated by infrared



The AQUAMAT 'no touch' faucets and valves activated by infrared and radar transmitters are just a sample of the advanced technology products manufactured by Cambridge Brass.

and radar transmitters. The outstanding feature of this product is the simplicity with which it can be programmed for any installation.

Cambridge Brass operates a green sand foundry that has the capacity to melt and pour 453 600 kg (1 000 000 lb.) of brass per month. The melted brass is transformed into intricate high-quality castings on automated moulding machines. Skilled craftspeople then use the latest machining equipment and techniques to produce more than 400 different components. Every Cambridge Brass casting must pass stringent quality standards including 100 per cent leak testing, before leaving the plant.

Cambridge Brass markets its products in North America through plumbing and heating wholesalers and special distributors.

**Canacrylic Products Inc.**  
 20 Autoatic Road  
 Brampton, Ontario  
 Canada L6S 4S8  
 Tel: (416) 458-9933  
 Fax: (416) 458-9936

■ An innovative manufacturer, Canacrylic produces acrylic whirlpools, kitchen sinks and bathroom vanity sinks for the new construction and renovation markets throughout North America.

The unique, seamless, wall-enclosed whirlpool tubs from Canacrylic offer elegance, comfort and convenience in a variety of styles and a choice of attractive designer colours. The tub design simplifies installation in new or existing bathrooms.

Available in 11 decorator colours, the Canacrylic sinks are distinguished by such features as deep and oversize bowls, ledge backs, double soap holders and sink-to-sink spillover.

Best-sellers at home and abroad, Canacrylic products meet consumer demand for quality craftsmanship and style at an affordable price.



From renovations to new homes, this colourful line of acrylic kitchen sink has everything — built-in quality, superior finish and convenience.

**Canplas Industries Ltd.**

31 Patterson Road  
Barrie, Ontario  
Canada L4N 3V9

Tel: (705) 726-3361  
Fax: (705) 726-8991

For more than 25 years, Canplas has been moulding high-quality plumbing fittings in PVC and ABS for drain, waste and vent (DWV), and sewer applications.

At its modern production facilities, Canplas utilizes CAD/CAM technology to accelerate product and tool development and operates microprocessor-controlled injection moulding machines to produce parts of consistent quality. The CNC mould shop builds and maintains moulds to high tolerances while robotic subassembly increases product accuracy and reduces costs.

Canplas manufactures the most comprehensive line of 2.3 cm (1 1/2 in.) through 10 cm (4 in.) compact ABS and PVC backwater valves engineered to protect buildings from sewage backflows. The excellent design and high-quality construction of the Canplas models ensure ease of installation, verification and maintenance, and guarantee superior performance. Canplas Backwater Valves meet or exceed strict CSA standards and are recognized by many other national, regional and municipal plumbing codes.



Canplas backwater valves, available in ABS or PVC, are engineered to protect buildings from sewage backflows.

**Cello Products Inc.**

210 Avenue Road  
Cambridge, Ontario  
Canada N1R 5S9

Tel: (519) 621-9150  
Fax: (519) 621-4108

One of Canada's pioneers in solder fittings, Cello has been manufacturing wrought copper and cast brass solder joint fittings for the plumbing and heating industries since 1946.

Today, the company's broad range of fittings includes elbows, tees, couplings, bushings, floor flanges, unions and others in Imperial sizes up to 15 cm (6 in.). Cast brass companion flanges are produced in sizes up to 20 cm (8 in.) with blind, 57, 68 or 136 kg (125, 150 or 300 lb.) ratings.

At its fully integrated plant, Cello takes advantage of the latest technology to produce reliable, high-quality solder fittings that perform in the toughest applications. In its



A selection of precision-engineered Cello cast-iron pressure elbows, flanges and couplings.

automated foundry, Cello uses high-speed electric induction melting for optimum control of the casting alloy composition at reduced cost. On the wrought process side, Cello runs multiple head, automatic forming and trimming machines to provide additional capacity.

With computerized inventory control and scheduling, Cello is able to give its customers fast reliable service with a personal touch.

**Centoco Plastics Limited**  
 2450 Central Avenue  
 Windsor, Ontario  
 Canada N8W 4J3  
 Tel: (519) 948-2300  
 Fax: (519) 945-7281

Centoco manufactures a complete line of residential, commercial and institutional toilet seats designed for comfort and durability.

Toilet seats in the Solid Plastic line from Centoco are injection-moulded from polypropylene with integrally moulded bumpers that will not deteriorate or fall off. Available in a broad range of styles and attractive colours, Centoco Solid Plastic Seats meet the most exacting application requirements with trouble-free installation.

The Centoco Soft Cushion Toilet Seat series features injection-moulded, high-impact polypropylene cover and ring cores and thick cushion-foam, manufactured from the best quality materials to ensure both maximum strength and utmost comfort. These seats are offered in a choice of styles and decorative colours with optional embroidered patterns.

Both the Solid Plastic and Soft Cushion series are supplied with the Patented Lift and Clean Toilet Seat Hinging System. This unique technology allows the lid and seat to be easily removed and replaced without the use of tools to gain access to areas where dirt collects on the seat and bowl. These hard-to-reach areas cannot be cleaned without complete disassembly of a conventional toilet seat from the bowl.



This patented solid plastic seat lifts off the bowl for easy cleaning.

**Crane Canada Inc.**  
 5800, rue Côte de Liesse  
 Montréal, Québec  
 Canada H4T 1B4  
 Tel: (514) 735-3592  
 Fax: (514) 340-9173

One of Canada's largest manufacturers of plumbing products, Crane is a worldwide exporter of its superior-quality plumbing fixtures, fittings, and industrial and waterworks valves.

Crane offers the homebuilder and renovator a complete range of beautifully designed bathroom fixtures including bathtubs, whirlpools, showers, toilets and sinks in a choice of vitreous china, enamelled steelware and acrylic/FRP. All the firm's products are available in an excellent selection of shapes, sizes and designer colours.

Crane's top-of-the-line, superbly crafted Phoenix Collection features a vitreous china pedestal lavatory, elliptical basin countertop lavatory, one-piece toilet with optional designer seat, bidet and a six-jet 3/4 hp whirlpool tub.

To complement its bathroom fixtures, Crane manufactures a comprehensive line of brass faucets and plumbing fittings.

Crane also produces an extensive line of attractive and reliable plumbing fixtures for hospitals and other institutional and commercial applications.

**DRANER Corporation**  
 1441 Pembina Highway  
 Winnipeg, Manitoba  
 Canada R3T 3C4  
 Tel: (204) 474-0451  
 Fax: (204) 453-0691



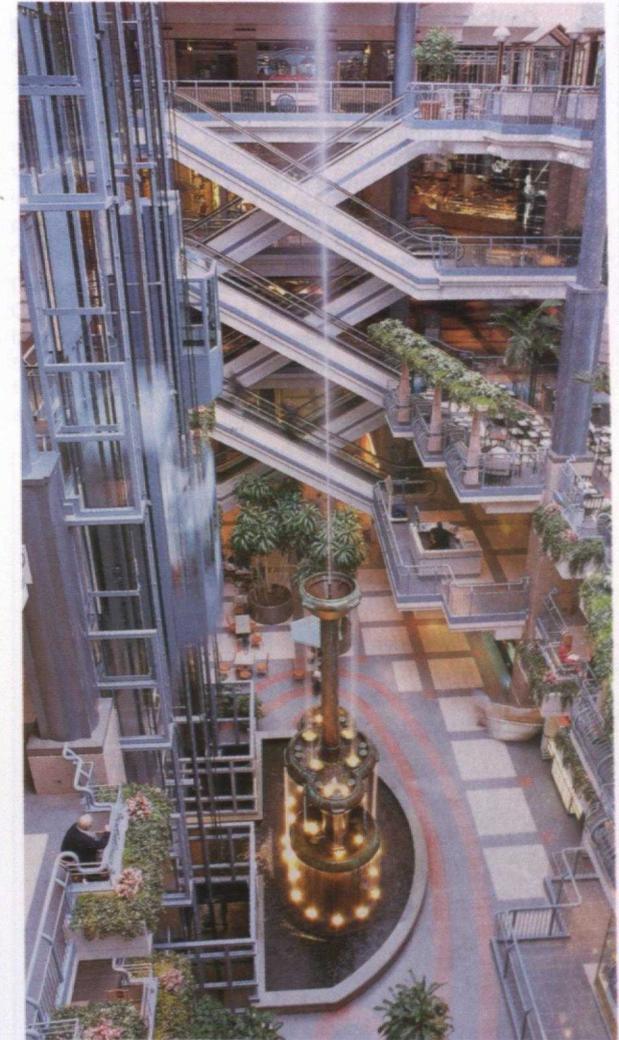
The Phoenix collection features a stylish acrylic-faced FRP whirlpool bath, pedestal wash basin, one-piece toilet and bidet in vitreous china. Faucets and fittings are solid brass.

**Crystal Fountains**  
 5230 Finch Avenue East, Suite 1  
 Scarborough, Ontario  
 Canada M1S 4Z9  
 Tel: (416) 291-1474  
 Fax: (416) 291-4703

Crystal Fountains designs, engineers and produces fountains that bring the magic of water to shopping centres, hotels, resorts, parks and public buildings. These water features are created with a variety of beautiful and striking effects specific to each application.

The company manufactures a comprehensive line of nozzles, drains and fittings, pumps, valves, underwater lights, controls and electrical equipment for complete fountain installations.

Water features designed by Crystal Fountains in rock, stone, brick, metal, fibreglass, concrete or tile are found in many cities of North and South America.



Dramatic water features created by Crystal Fountains.

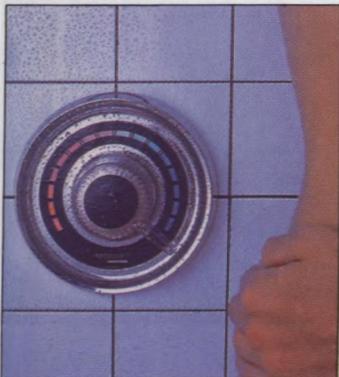
**Danfoss Manufacturing Co. Ltd.**  
 1230 Lakeshore Road East  
 Mississauga, Ontario  
 Canada L5E 1E9  
 Tel: (416) 274-2311  
 Fax: (416) 274-4009

■ Danfoss is one of the world's leading manufacturers of controls for the mixing of hot and cold water for comfort and protection in the residential, institutional and recreational markets.

The Danfoss Tempress II line of mixing valves for tubs and showers offers outstanding quality, reliability and convenience. The Tempress II blends hot and cold water in a pressure-balancing chamber. A diaphragm within this chamber reacts to any water pressure fluctuations. Should the cold water pressure be lost, the valve will restrict hot water flow to prevent scalding. For the same safety reason, a counterclockwise rotation of the Tempress II control by the user starts cold water flowing.

All Tempress II valves are available with a variety of accessories and in a choice of configurations. The Tempress II series of pressure balancing valves are offered with Deluxe finish (chrome-plated ABS escutcheon), Commercial finish (triple chrome-plated metal escutcheon) and Decorator finish (polished brass or antique brass, high-impact ABS escutcheon) with either clear or polycarbonate or chrome-plated metal lever handles.

The Danfoss Tempress II is especially popular in North America and Europe because it offers dependable operation and a security unsurpassed in showering or bathing.

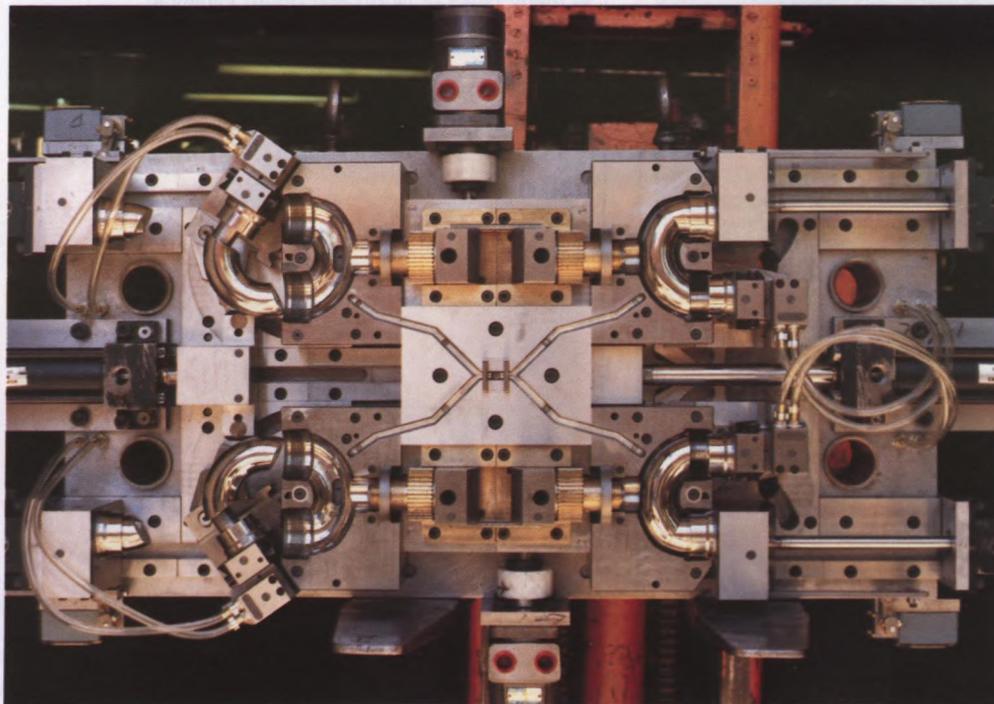


The contemporary Tempress II mixing valve offers years of trouble-free service.

**Die-Mold Tool Ltd.**  
 82 Todd Road  
 Georgetown, Ontario  
 Canada L7G 4R7  
 Tel: (416) 877-3071  
 Fax: (416) 877-5922

■ Die-Mold specializes in the custom manufacturing of fully automatic injection moulds for the plumbing and fitting industry. One of the leading companies in its field in North America, Die-Mold designs and cuts tooling for the full range of standard plumbing components, valves and fittings, as well as custom parts.

Die-Mold produces moulds for the manufacture of fittings in a wide range of materials used in DWV, tubular, electrical and pressure applications. Standard Die-Mold tooling includes moulds for DWV P-traps, tubular J-bends and internal and external threads.



Injection mould designed and cut by Die-Mold Tool for the production of plumbing components.

**DRANJER Corporation**  
 1441 Pembina Highway  
 Winnipeg, Manitoba  
 Canada R3T 2C4

Tel: (204) 474-0451  
 Fax: (204) 453-0691

■ DRANJER specializes in the design and production of floor and sump drain seals for the residential and commercial markets.

DRANJER™ seals prevent radon gas from seeping into homes and buildings. Internationally recognized as a major health hazard, radon gas is a most serious indoor air pollutant and a major cause of lung cancer. DRANJER™ seals also effectively keep out insects, cold drafts and obnoxious odours. At the same time, they have excellent water flow capability.

DRANJER™ seals are available in a broad range of sizes and configurations. Floor drain openings from 5 to 27 cm (2 to 12 in.) in diameter can be sealed with standard DRANJER products. The company offers seal designs for installation in new buildings, for sump covers and for retrofit installation in existing floor drain openings. DRANJER also custom designs seals for special applications such as for nuclear environments.

DRANJER™ seals are an economical, common sense first step to keeping radon gas out of homes and buildings.



DRANJER drain seals keep radon gas, insects, cold drafts and unpleasant odours from entering the home.

**DUNDAS-JAFINE Industries Ltd.**  
 80 West Drive  
 Brampton, Ontario  
 Canada L6T 3T6

Tel: (416) 450-7200  
 Fax: (416) 450-7207

■ DUNDAS-JAFINE Industries is the Canadian market leader in dryer venting and associated products.

The company manufactures a full range of ducting and outdoor and indoor dryer venting accessories, in kit form, for the do-it-yourself and professional installer markets. Included in the DUNDAS-JAFINE product line are flexible louvered dryer vent kits, flexible metal vent kits, pipe insulation wrap, air filters, heating outlet grilles, aluminum flex ducting, duct tape, humidifier plates and rigid metal ducts, elbows and other heating-related products.

DUNDAS-JAFINE supplies its excellent quality, easy-to-use products across Canada and to many parts of the United States.



Dryer venting accessories are packaged in handy kits for the do-it-yourself market.

**Dynesco Inc.**  
 20 Queen Elizabeth Boulevard  
 Toronto, Ontario  
 Canada M8Z 1L8

Tel: (416) 252-5601  
 Fax: (416) 252-6987

■ Dynesco is a major Canadian manufacturer of a full range of precision-engineered pumps for consumer and industrial applications.

The company produces industrial process pumps, designed for the most demanding applications, in a variety of styles, materials and sizes. The consumer line includes submersible sump pumps, gear pumps and drill pumps. Dynesco also manufactures the advanced technology Dynaltco hydraulic products.

Dynesco operates modern production plants at two Canadian locations and serves its customers through branch offices and an extended dealer network. Innovative pump design, quality engineering, superior construction, convenient packaging and outstanding warranties are the contributing factors to Dynesco's success.



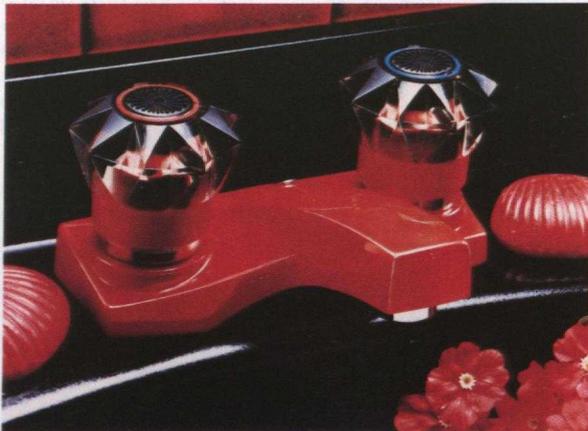
Dynesco precision-engineered pumps are designed for the full range of residential and industrial applications.

**Emco Products**  
 420 Burbrook Place  
 London, Ontario  
 Canada N6A 4L6  
 Tel: (519) 659-3626  
 Fax: (519) 451-9392

Established in 1906, Emco remains a leading Canadian manufacturer of top-quality faucets, plumbing valves and copper and plastic fittings for residential, institutional, commercial and industrial needs.

The company produces a complete range of plumbing fittings representing the ultimate in value in terms of reliability, design and cost. Emco faucets are available in an excellent selection of styles and colours to satisfy the most rigorous application requirements and wide-ranging consumer tastes.

At its modern production facilities in London and Brampton, Ontario, the company uses state-of-the-art technology and equipment to ensure that its products compete favourably with the best available on the international market. Quality, selection and service are the cornerstones of the Emco advantage.



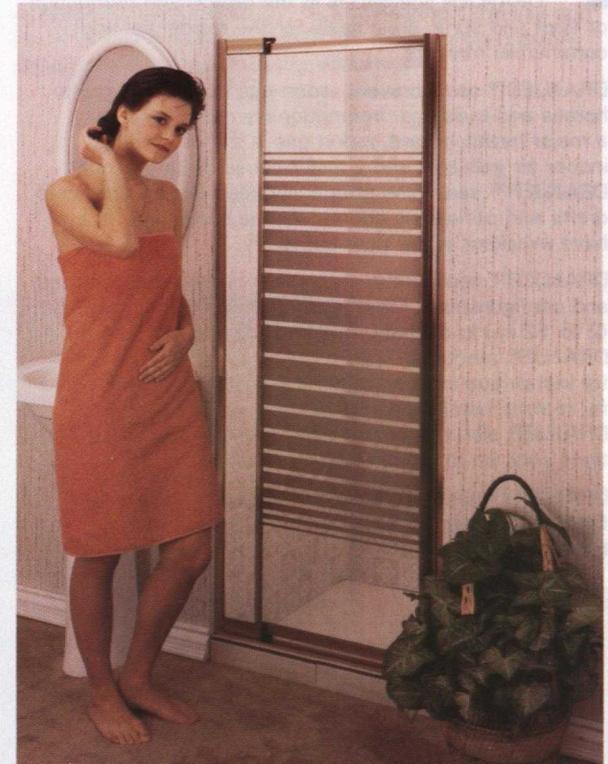
Gleaming faucets in dozens of attractive styles are part of Emco's broad range of plumbing products.

**Fasco Products**  
 Division of Indal Limited  
 6400 Ordan Drive  
 Mississauga, Ontario  
 Canada L5T 2H6  
 Tel: (416) 670-8559  
 Fax: (416) 670-8560

Fasco designs and manufactures a full range of tub and shower doors for residential and commercial applications, and sells them throughout North America and Europe.

Fasco's outstanding-quality models include 90 degree shower doors without header bar to restrict entry; standard models providing full magnetic seal on door-meeting rails; side panels that can be installed three ways; die-cast corner keys and wall-mounting brackets; large water dam thresholds; and door panel drip tray and sweep.

These fine tub and shower doors are available in modern, attractive designs and six colour finishes. Fasco also manufactures custom-sized doors to given specifications.



The Series 4000 pivot door is just one of the innovative, high-quality shower and tub doors manufactured by Fasco Products.

**FIAT Products Ltd.**  
 255 Hutchings Street  
 Winnipeg, Manitoba  
 Canada R2X 2R4  
 Tel: (204) 633-6122  
 Fax: (204) 632-4854

■ FIAT Products specializes in the design and manufacture of bathware products for the residential and institutional markets.

FIAT's broad and diversified line includes the following complete product groupings: acrylic plumbing fixtures; moulded mop service basins; shower floors and laundry tubs; plastic and metal shower cabinets; ABS wall surrounds; standard or custom terrazzo service basins and shower floors; enamelled steel lavatories and bathtubs; and vitreous china water closets and basins.

The elegant acrylic bath/shower and shower enclosures are among FIAT's most popular products. These spacious enclosures are vacuum thermoformed from the highest quality acrylic and offer steam and whirlpool options, canopy lights and tempered glass doors, depending on the type of unit. They are also available as three-piece units to simplify installation in renovation projects. Each section fits through a standard doorway. The FIAT acrylic series includes whirlpool tubs in a choice of models to suit most bathrooms.

FIAT also manufactures special-needs bathware designed for the handicapped. These tub/showers are equipped with extra grab bars, special seats and a variety of other accessories.

The sophisticated acrylic kitchen sinks produced by FIAT combine beauty and durability with superior convenience. Available in a choice of single, double or triple compartment designs, FIAT sinks feature high-gloss decorative colours, oversize basins and spillover protection, depending on the model.

German Manufacturing  
 R.J. #5  
 Belleville, Ontario  
 Canada K8N 6Z5  
 Tel: (613) 989-1214  
 Fax: (613) 989-1214, ext. 202

Great North Plastics Ltd. (FIAT) Acrylics Division  
 Highway 7  
 Toronto, Ontario  
 M1S 1T9  
 Tel: (416) 291-1111  
 Fax: (416) 291-1111



The compact FIAT MS 348 shower enclosure offers luxury and is ideal for retrofit installation.



The clear acrylic FIAT Model 2010 tub/shower enclosure is a steam suite designed for easy installation in large or small spaces.

**Fleurco Industries (1963) Ltd.**

990, rue Upton  
 Lasalle, Québec  
 Canada H8R 2T9  
 Tel: (514) 364-4344  
 Fax: (514) 364-3407

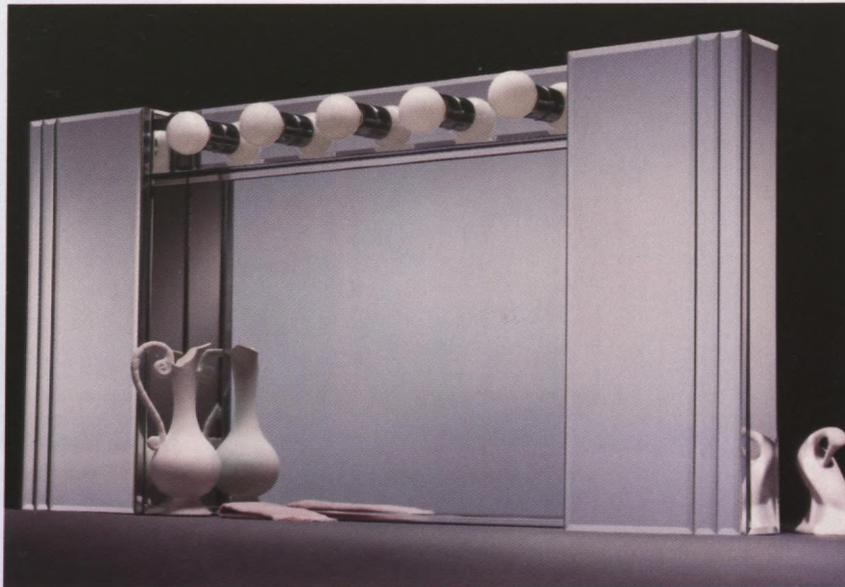
Fleurco Products  
 Division of Inco Limited  
 6400 Ordan Street  
 Mississauga, Ontario  
 Canada L5T 2K3  
 Tel: (416) 679-8989  
 Fax: (416) 679-8990

Fleurco Products Ltd.  
 258 Kingsway Street  
 Winnipeg, Manitoba  
 Canada R3K 2M4  
 Tel: (204) 633-8133  
 Fax: (204) 633-4884

■ The shower and bathtub enclosures and medicine cabinets with matching lights and vanities produced by Fleurco meet the most discerning homeowner's demands for quality, beauty, durability and design that is never out of style.

Fleurco products are created to look good, work better and last longer than others available on the North American market. With more than 300 different styles, colours and sizes of medicine cabinets, bathroom light fixtures and vanities to choose from, Fleurco has the right product for every taste and lifestyle. The selection of Fleurco shower and bathtub enclosures is equally impressive.

Fleurco supports its products with detailed coloured catalogues and point-of-sale merchandisers as well as dependable service.



The Fleurco light and cabinet ensemble represents beauty and quality.



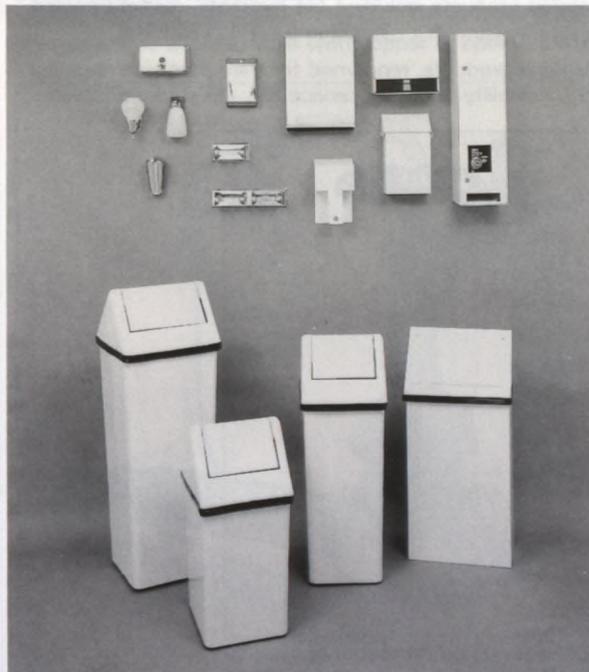
This neo-angle shower enclosure is enhanced with gold metal stripes.

**Frost Products Ltd.**  
150A Chatham Street  
Hamilton, Ontario  
Canada L8P 2B6

Tel: (416) 527-2908  
Fax: (416) 527-0710

■ For more than 25 years, Frost has been the trend-setter in the design and production of commercial wash-room accessories in Canada. Today, the company continues to be the leading supplier on the domestic market and a major exporter of its rugged, well-designed wash-room products.

The high-quality Frost product line includes a wide variety of paper towel dispensers, toilet tissue dispensers, waste receptacles, soap dispensers, feminine napkin vendors and disposal bins. All products are designed for durability, convenience, easy-cleaning and attractive appearance and are available in a choice of white epoxy, stainless steel or chrome finish.



The attractive washroom accessories from Frost Products have built-in durability.

### Germain Manufacturing

R.R. #5  
Belleville, Ontario  
Canada K8N 4Z5

Tel: (613) 969-1214  
Fax: (613) 969-1214, ext. 202

■ DRIP-STRIP™, one of the innovative products from Germain, prevents water from running off the bathtub during showering. The DRIP-STRIP™ functions as an unobtrusive dam on the outside corners of the tub to direct water on the rim into the tub before it runs onto the floor. This Germain product helps to eliminate mildew, as it keeps water from seeping into cracks around and underneath the tub. It also reduces water stains, rot in the subflooring, water damage to ceilings below the bathroom and prevents the floor from becoming slippery.

DRIP-STRIP™ is easy to install, fits any bathtub contour and is available in a choice of decorator colours to match the bathroom decor. DRIP-STRIP™ can also be used on sinks and shower stalls.



Drip Strip is a 'must' to prevent damage from bathtub drips and overflows.

### Great North Products Inc.

Highway 7  
Locust Hill, Ontario  
Canada L0H 1J0

Tel: (416) 294-5748  
Fax: (416) 471-6722

■ An innovative Canadian manufacturer, Great North specializes in the production of well-designed faucets, energy-saving showerheads and toilet tank water dams that reduce water consumption.

The Great North line of faucets offers 10 cm (4 in.) lavatory models and 20 cm (8 in.) kitchen faucets in a variety of attractive modern styles. The faucets are available with aerators, brass and other non-corrosive waterways and a choice of finishes.

The ENER-JET showerhead from Great North uses only 9 L (2 gal.) of water at 345 kPa (50 psi) compared with 18 to 36 L (4 to 8 gal.) used by conventional showerheads, and still provides a forceful tingling spray. A compression chamber inside the head maximizes the force of the water and its aerating nozzle mixes air into the spray to increase the efficiency of the shower. The ENER-JET is constructed of brass with chrome plating and is easy to disassemble for cleaning.

The Great North TOILET TANK WATER DAMS consist of two pieces of rolled spring steel completely enclosed by rubber. The two dams adhere to the sides and bottom of the tank and by their shape hold unneeded water from the flushing action. The dams reduce the water used per flush from about 23 to 9 L (5 to 2 gal.) The hydrostatic head of the water is kept high in the tank to exert the force required for an effective flush. The water is saved at the tail-end of the flush when the bowl is already empty. The Great North TOILET TANK WATER DAMS fit all standard tank sizes and can be installed in minutes without tools.

**Guardsman Products Ltd.**

Solidex Division  
 1203 Lorimar Drive  
 Mississauga, Ontario  
 Canada L7E 5R8  
 Tel: (416) 670-2780  
 Fax: (416) 670-3026

■ The beautiful, highly versatile Solidex Collection of fine solid surface counter and table tops produced by Guardsman is designed for demanding residential, commercial and institutional applications. Available in 14 solid and granite-like colours with satin or high gloss finish, Solidex is offered in flat sheets 0.6 cm (1/4 in.) to 1.9 cm (3/4 in.) thick and moulded shapes including edges, coves and sink bowls.

Based on a mineral-filled, super-tough polyester resin, Solidex retains the same composition throughout. As a result, its surface appearance and texture are not affected by sanding. Solidex meets Class One fire-rating



Beautiful Solidex is a solid surface counter material that resists staining, remains unaffected by sanding and lasts a lifetime.

requirements and strongly resists ultraviolet light and chemical staining. It machines like fine hardwood, is easy to clean and has excellent resistance to surface scratching and cracking.

Solidex is widely used for vanity countertops in hotels, restaurants and homes as well as in hospital and research laboratories where its excellent chemical resistance is of special importance.

Guardsman markets Solidex through a distributor network worldwide and supports its outstanding product with a 10-year limited warranty.

**Jenkins Canada Inc.**

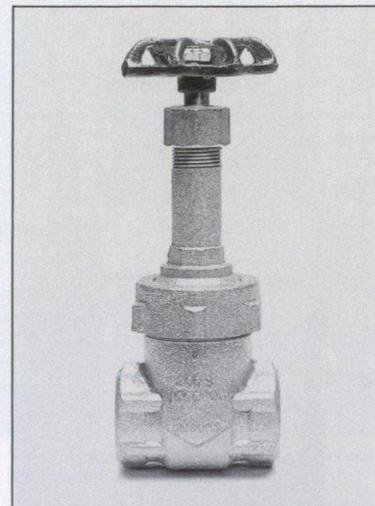
170, boulevard Saint-Joseph  
 Lachine, Québec  
 Canada H8S 2L6  
 Tel: (514) 637-5871  
 Fax: (514) 637-4845

■ Jenkins is a leading Canadian manufacturer of a complete line of gate, globe, check, ball and butterfly valves for commercial and industrial applications.

At its large, modern facilities, Jenkins produces a wide range of valves in bronze and grey cast iron, from molten metal to the finished product, and has been doing so for more than 80 years. The selection includes general and specialty service gates for shut-off control of steam, water, oil and heavy fluids. Jenkins butterfly valves shaped of cast iron are available in sizes from 5 to 213 cm (2 to 84 in.).

The company's wholly owned subsidiary, Concord-Daigle Inc., manufactures an extensive line of waterworks-related products including fire hydrants, resilient seated gate valves, repair clamps and service saddles.

Jenkins products, renowned for their precision engineering, reliability and long service life, are sold worldwide.



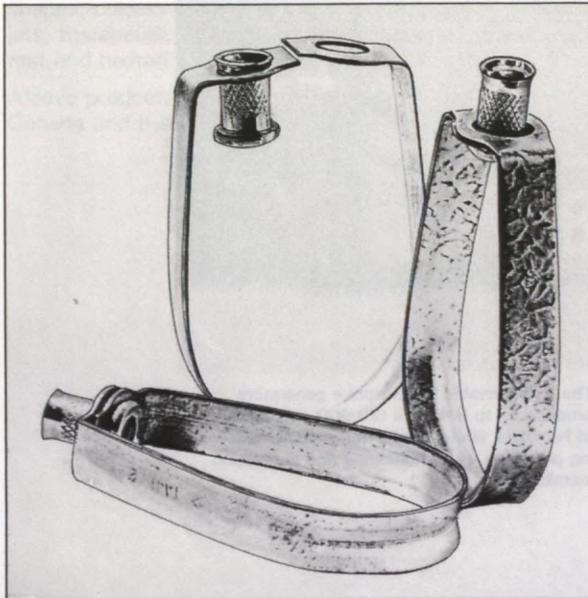
Jenkins bronze gate valves are designed for long life, low maintenance and shut-off control in tough services at refineries, chemical and industrial plants.

**L.E. Taylor Associates Ltd.**  
 555 Parkdale Avenue North  
 Hamilton, Ontario  
 Canada L8H 5Y9

Tel: (416) 547-5164  
 Fax: (416) 545-0668

■ A wholly Canadian-owned company, L.E. Taylor Associates produces a wide range of metal stampings. For the plumbing industry, the company manufactures pipe hangers, riser clamps, plumbers' C-clamps and other specialty products.

The Adjustable Swivel Ring Hanger from L.E. Taylor combines ease of use with simplicity of design and offers excellent cost savings for the suspension of pipe in a variety of applications. A captive nut system on the swivel ring eliminates fumbling and unnecessary time delay. The grooved cradle provides extra rigidity and easy feed of pipe or tubing. This efficient, lean-design swivel ring hanger is rated for a greater load capacity than a light-duty clevis hanger — up to 10 cm (4 in.) without the bulk and bother. The L.E. Taylor product is pre-galvanized and available with copper or epoxy finish.



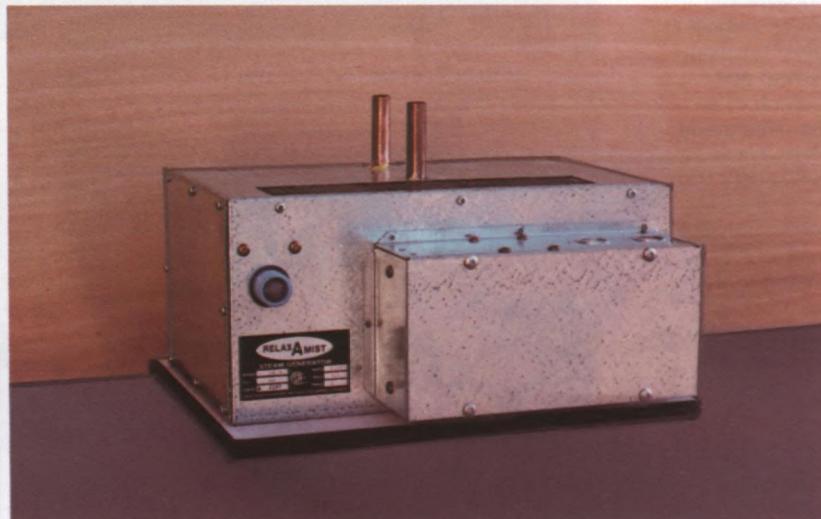
The Swivel Ring designed for pipe saves installation time and costs.

**Leisure Baths Ltd.**  
 #18 - 30 Capilano Way  
 New Westminster, British Columbia  
 Canada V3L 5M2

Tel: (604) 526-2737  
 Fax: (604) 526-6246

■ More than a decade ago, Leisure Baths engineered and built their first steam generator that converts the bathtub into a Turkish steam bath, quickly, safely and efficiently. Today, the RELAX-A-MIST line of steam generators offers a choice of 10 models designed to steam and heat a bathtub, a shower enclosure or rooms up to 3 m (10 ft.) by 6 m (20 ft.).

In a Turkish-style steam bath, the steam creates an environment of heat and high humidity. This hot humidity stimulates a soothing, moisturizing, deep cleansing and pore purging experience. The RELAX-A-MIST steam generator brings the enjoyment of a Turkish steam bath into the home.



The pleasure of a RELAX-A-MIST steam bath is yours at the flick of a switch.

The simple turn of a timer switch will start the flow of steam from the RELAX-A-MIST steam generator in less than two minutes. Every model is engineered to provide a soft steam (no pressure) for either a short few minutes or continuously for several hours, as desired.

Leisure Baths sells its excellent-quality product through a distributor network in Canada and is interested in expanding its marketing activities into the U.S. market.

**Les Entreprises MDG 3020 Inc.**

5635, rue Christophe-Colomb  
 Montréal, Québec  
 Canada H2S 2E8

Tel: (514) 272-6040

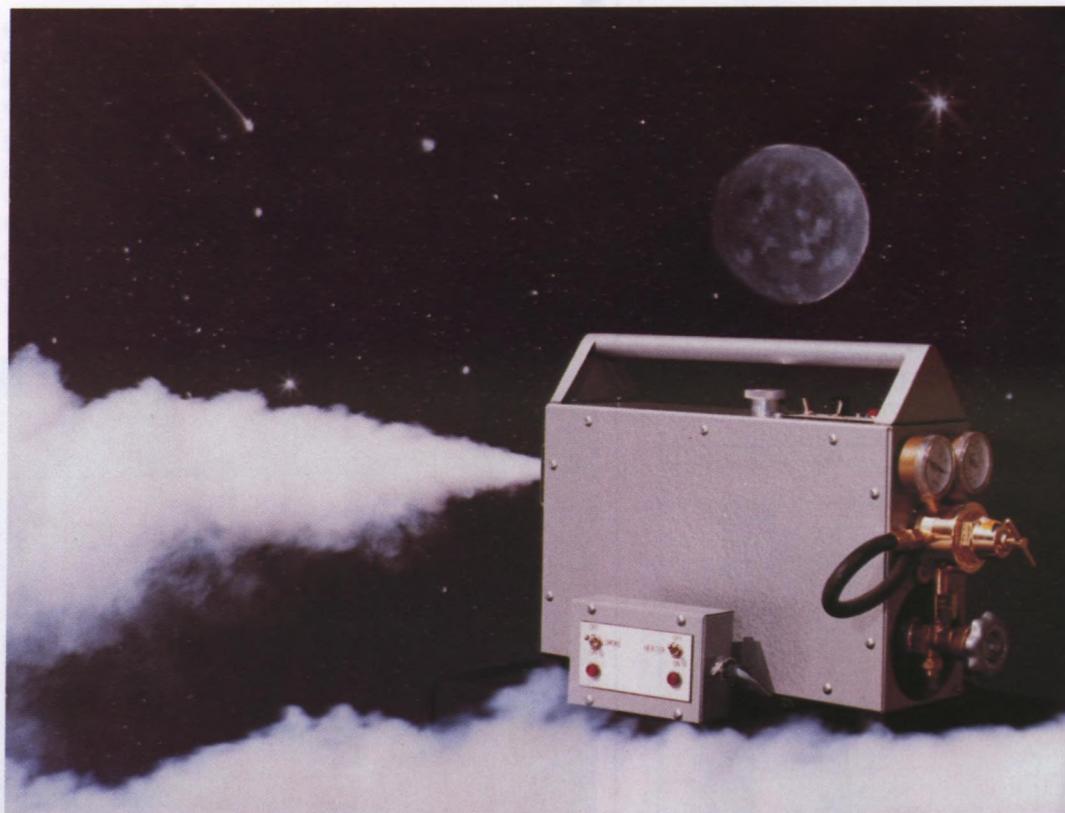
Fax: (514) 722-3229

■ Les Entreprises MDG is a prominent Canadian manufacturer of smoke generators designed for testing plumbing, air conditioning and other types of industrial installations.

In the plumbing industry, the easy-to-carry, efficient MDG 3020 Smoke Generator models are used to test boilers, drains and new pipe installations for leaks, ten storeys at a time. The MDG 3020 Smoke Generator, capable of generating from 0.14 to 566 m<sup>3</sup> (5 to 20 000 cu. ft.) of harmless smoke per minute, is ideal for verifying exhausts and underground ducting up to 122 cm (48 in.) in diameter, and is also highly effective in ventilation and air conditioning applications.

The rugged MDG 3020 Smoke Generator is available with all controls mounted on the case, with or without detachable remote control. Enclosed in a steel housing, the unit will produce anything between a whisper and dense clouds of clean white smoke at the touch of a switch. The smoke, a mixture of a pure cosmetic grade oil and carbon dioxide, is completely harmless, non-irritant, nonflammable and leaves no contamination. The size of the smoke particles varies according to the setting on the pressure regulator, which is calibrated from 0 to 690 kPa (0 to 100 psig) providing a range of emission up to 6 096 m/min (20 000 feet per minute) of smoke. The 3020 Smoke Generator weighs 15.9 kg (35 lb.) and operates on a 110 V AC power source and rechargeable carbon dioxide cylinders.

Les Entreprises MDG will adapt its versatile, reliable 3020 Smoke Generator to meet any industrial application.



The fully portable MDG smoke generators produce up to 9.4 m<sup>3</sup>/s (20 000 cu. ft./min) of harmless white smoke designed for testing plumbing, air conditioning and ventilation installations.

**Les Plastiques MC Ltée**

3000, rue Saint-Prospér  
 Saint-Hyacinthe, Québec  
 Canada J2S 2A4

Tel: (514) 773-0901

Fax: (514) 774-6957

■ Les Plastiques MC specializes in the production of reinforced fibreglass whirlpools and spas noted for their comfort and convenience features. The company undertakes continuous research and development to find new materials and evaluate new shapes and production methods. As a result, the customer knows that an Alcove product from Les Plastiques MC represents the best the market can offer.

The Alcove whirlpool series offers eight jets, two air controls, automatic rinse,  $\frac{3}{4}$  hp motor and choice of therapeutic action, depending on model. Available in a wide selection of decorator colours and body-contoured shapes in sizes to fit one or two people, the Alcove tubs provide the ultimate in comfort.

The Alcove spas are designed to accommodate up to five people in luxurious comfort. Produced in a choice of shapes, colours and sizes, the spas feature eight water jets, therapeutic seat, convenient control panel, head rest and heated entry ramp.

Alcove products are especially popular in eastern Canada and the New England states.

**Les Thermoformages ACRIMAX Inc.**

500, rue Melchers  
 Berthierville, Québec  
 Canada J0K 1A0

Tel: (514) 836-7041

Fax: (514) 836-2451

■ The ACRIMAX moulded acrylic bathtubs and spas offer luxury, style and comfort in an excellent selection of designs and colours.

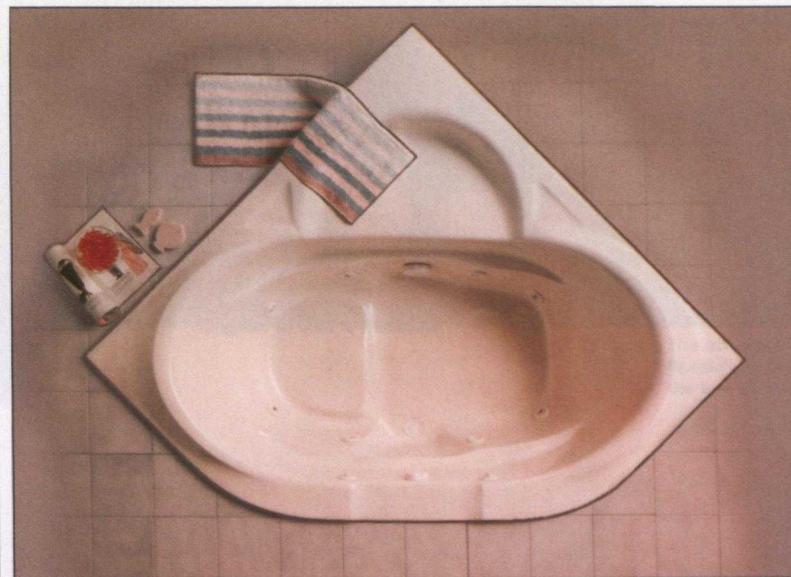
The Concept is a European-inspired bathtub that features integrated headrest and six adjustable whirlpool jets. The classic Europa I is a modern whirlpool bath designed for the retrofit market. The larger, deeper Europa II has the same classic styling and such features as cushioned headrest and six adjustable jets. The oval shaped Premice is a spacious, luxurious bathtub with cushioned head rest and adjustable jets. The elegant Oland is designed for easy access and comfort in an affordable whirlpool. The luxurious Coro whirlpool is just the right size for condominiums. The luxury built-for-two Jaffa is a corner tub and the Privilege is the ultimate in comfort for two with its 188 cm (74 in.) length, 145 cm (57 in.) width and 51 cm (20 in.) depth. The most

sumptuous whirlpool in the ACRIMAX line is the Prisma, a redesigned corner tub.

Made of best quality acrylic, the ACRIMAX spas are designed for indoor or outdoor use and each offers a self-supporting base, adjustable jets, convenient control panel, comfort and luxury. Available models will accommodate up to nine people.

The roomy, space-saving ACRIMAX shower enclosures are made of acrylic reinforced fibreglass and shaped with rounded angles at the base and walls for easy cleaning. They are available in the same choice of attractive designer colours as the bathtubs and spas.

ACRIMAX products represent superior quality at a competitive price. Most models carry a 10-year warranty.



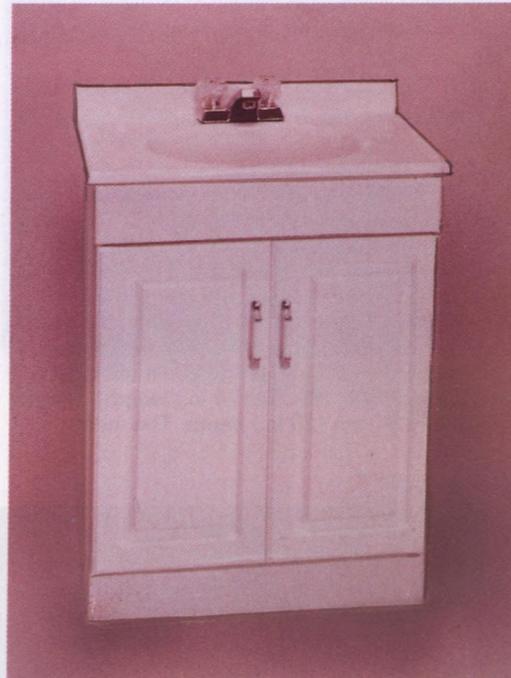
Stylish acrylic bathtubs by ACRIMAX are the ultimate in luxury.

**Lorenzo Industries Inc.**  
 7800, rue Notre Dame ouest  
 Montréal, Québec  
 Canada H4C 3K4  
 Tel: (514) 367-1881  
 Fax: (514) 366-0755

■ The smooth contemporary lines of beautiful simulated marble and onyx bathroom fixtures manufactured by Lorenzo represent the ultimate in bathroom elegance.

Lorenzo marble is precisely compounded of crushed natural marble stone and resin to produce castings with characteristic marble appearance, excellent durability and stain resistance. The deep-veined lustre and semi-translucency of Lorenzo crystal onyx is produced by an exclusive patented process.

Lorenzo offers a wide range of sink and vanity cabinet combinations, in modern and traditional designs. Most vanities combine the beauty of onyx sinks with the warmth of wood. The selection includes solid oak and other fine woods in attractive non-staining finishes. The onyx vanity top contains a deep integral bowl in a choice of sizes. Many models offer matching medicine cabinets with built-in mirrors and lights.



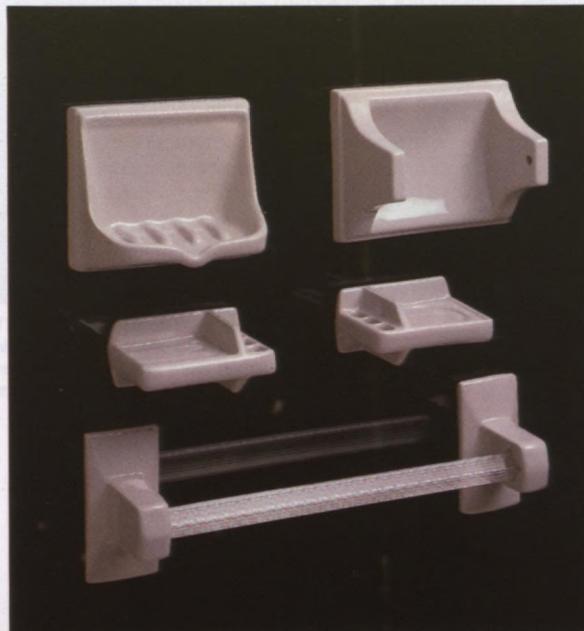
The contemporary line of Lorenzo cabinets combines the beauty of simulated marble and onyx with accents of wood, in an excellent choice of designs.

**M.B.M. Ceramics**  
 173 - 30th Street  
 Etobicoke, Ontario  
 Canada M8W 3C6  
 Tel: (416) 251-2218  
 Fax: (416) 251-0938

Well-known in Canada, M.B.M. Ceramics is fast gaining recognition in the United States for the exceptional quality of its small bathroom fixtures.

To produce the highest quality towel bars, soap dishes and paperholders in sufficient volume to ensure availability, M.B.M. Ceramics combines the skills of trained craftspeople and modern manufacturing techniques such as microwave drying, fast-firing kiln and computer-aided production lines.

M.B.M. Ceramics manufactures its products in a broad range of styles and decorator colours. In addition, the company offers colour matching to palettes of such bathroom fixture manufacturers as America Standard™, Crane™ and Kohler™.



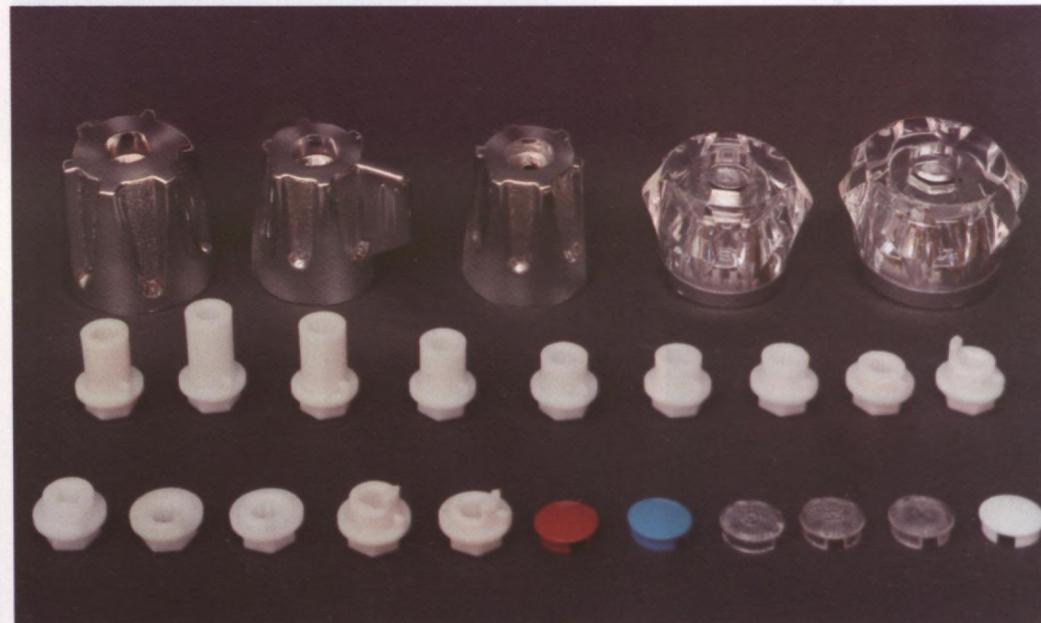
The superior-quality M.B.M. Ceramics accessories are classical in beauty and style.

**M & J Specialties (29122 Ontario Ltd.)**  
 360 Wilson Avenue  
 Downsview, Ontario  
 Canada M3H 1S9  
 Tel: (416) 630-2306

M & J Specialties is a Canadian company which was incorporated in 1979. The company has filled the need for attractive faucet handles and spouts to fit all faucet hardware manufactured in the past 25 years, including those made by now defunct manufacturers. The various handles produced by M & J Specialties are equipped with 21 adaptors for the Canadian market and

29 for the United States. The company's spouts have 13 adaptors to ensure complete compatibility with virtually all faucets.

M & J Specialties guarantees an exact fit to specifications as set out by the original manufacturer of the faucet.



The attractive faucet handles from M & J Specialties fit hardware manufactured within the last 25 years.

**Manhattan Products (Canada) Ltd.**

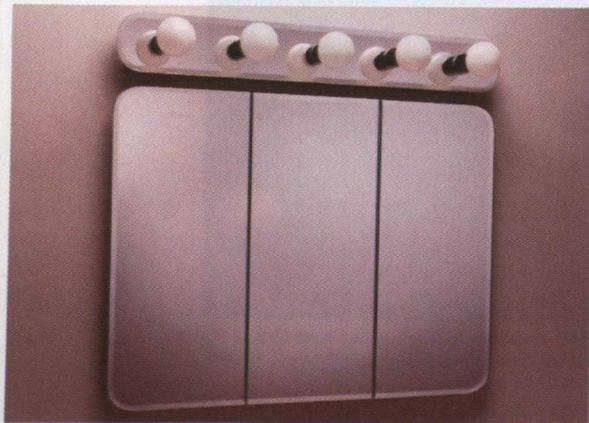
7800, rue Vauban  
 Ville d'Anjou, Québec  
 Canada H1J 2N1

Tel: (514) 354-3221  
 Fax: (514) 354-7931

Manhattan manufactures a complete range of enamel/steel bathroom medicine cabinets with co-ordinated lighting fixtures. Included in the more than 200 Manhattan models are an excellent choice of traditional and modern designs, recessed and surfaced cabinet styles, in combinations with natural oak and clear or tinted mirrors. Most cabinet models provide storage capacity throughout their width and height.

In addition, Manhattan produces shower doors, bathtub enclosures and corner enclosures made of extruded aluminum frames and a choice of tempered safety glass panels.

Manhattan products enjoy an excellent reputation for their elegant style, design details and fine craftsmanship. The company operates a 9 290 m<sup>2</sup> (100 000 sq. ft.) modern production facility and maintains warehouses in central locations to serve its customers throughout North America.



The more than 200 Manhattan bathroom cabinets with co-ordinated lighting include a style for every taste.



The Manhattan shower doors offer the ultimate in quality and design.

**Mifab Manufacturing Inc.**

7634 Kimbel Street, Unit 17  
 Mississauga, Ontario  
 Canada L5S 1A2

Tel: (416) 673-1343  
 Fax: (416) 673-7629

Mifab produces a wide range of grease, oil and sediment interceptors for commercial and industrial applications.

The MIG Series of one-piece, acid-resistant, coated steel interceptors fit standard sizes of plumbing pipes. Designed for installation under sinks and dishwashers in restaurants, apartment blocks, car repair shops and service garages, the MIG interceptors keep oil and grease out of sewer systems.

The Mifab MIL Series of low rough-in interceptors, designed for similar applications as the MIG Series, is offered in stainless steel or with acid resistant coating inside and out.

Mifab also designs and manufactures heavy-duty grease and oil interceptors in standard and custom sizes for industrial requirements. These efficient units have a triple-weir baffle assembly, visible code-approved deep seal trap, concave cover security handles, stainless steel orifice plates and non-skid rectangular cover.

The Mifab stainless steel sediment interceptors, designed to catch hair and dust, are used in beauty salons, barber shops, dental offices, kennels and similar commercial establishments.

In addition to interceptors, Mifab manufactures UL approved fire-rated access doors and regular access doors made of stainless steel or steel, in custom sizes.

Monarch Industries Limited  
 P.O. Box 428  
 825 Erin Street  
 Winnipeg, Manitoba  
 Canada R3C 3E4  
 Tel: (204) 786-7921  
 Fax: (204) 889-9120



The Mifab one-piece steel interceptors, available in standard and custom sizes, meet the requirements of the most demanding commercial and industrial applications.

**Mirolin Industries Inc.**  
 60 Shorncliffe Road  
 Toronto, Ontario  
 Canada M8Z 5K1  
 Tel: (416) 231-9030  
 Fax: (416) 231-0929

■ Mirolin offers a comprehensive line of bathroom fixtures that is among the best on the North American market in terms of quality, design and selection.

Mirolin produces a full range of luxurious acrylic bathtubs in a choice of whirlpool, tub/shower or combination models. The elegant Mirolin bathtubs, available in a selection of modern colours, offer the ultimate in comfort.



Shower stalls and tub enclosures made by Mirolin are designed for convenience, comfort and style in a range of beautiful finishes that will enhance any bathroom decor.

Finely crafted Mirolin wood bathroom vanities are offered with cultured marble tops. Modular Mirolin bathroom furniture in the European style is made of easy-to-maintain laminate and accented with real wood.

Mirolin also produces a complete line of distinctive functional kitchen sinks made of Mirostone, a patented product. Mirostone sinks are supplied in 10 decorator colours and carry a lifetime warranty.



The comprehensive Mirolin product line includes luxury leaded glass tub/shower enclosures and Mirostone composite kitchen sinks in vibrant colours.

**Modern Fiberglass Inc.**  
 333, rue Saint-Albert  
 Tring-Jonction (Beauce), Québec  
 Canada G0N 1X0  
 Tel: (418) 426-2666  
 Fax: (418) 426-3268

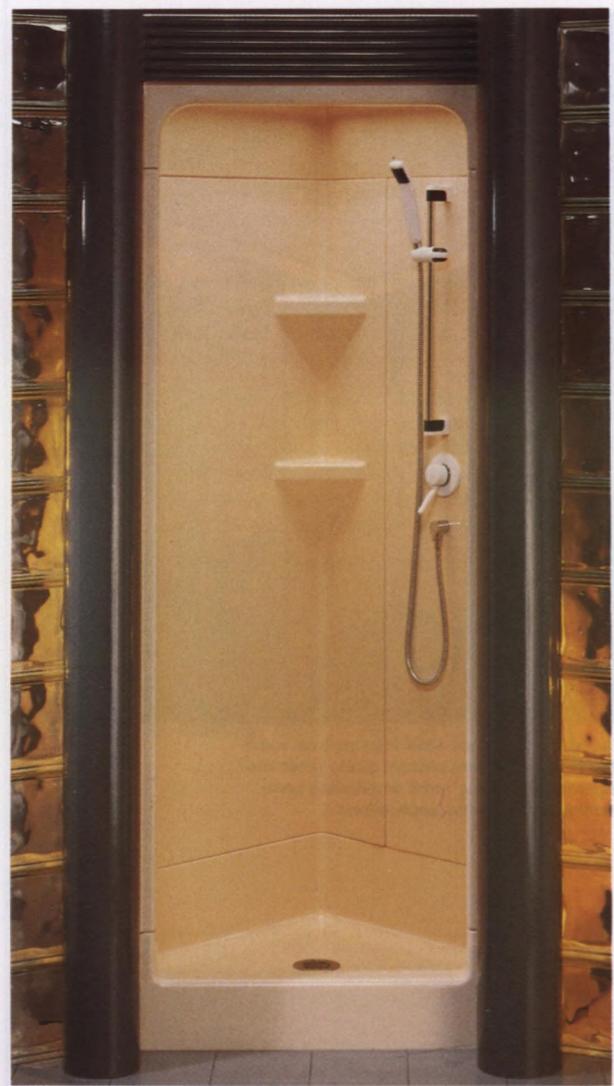
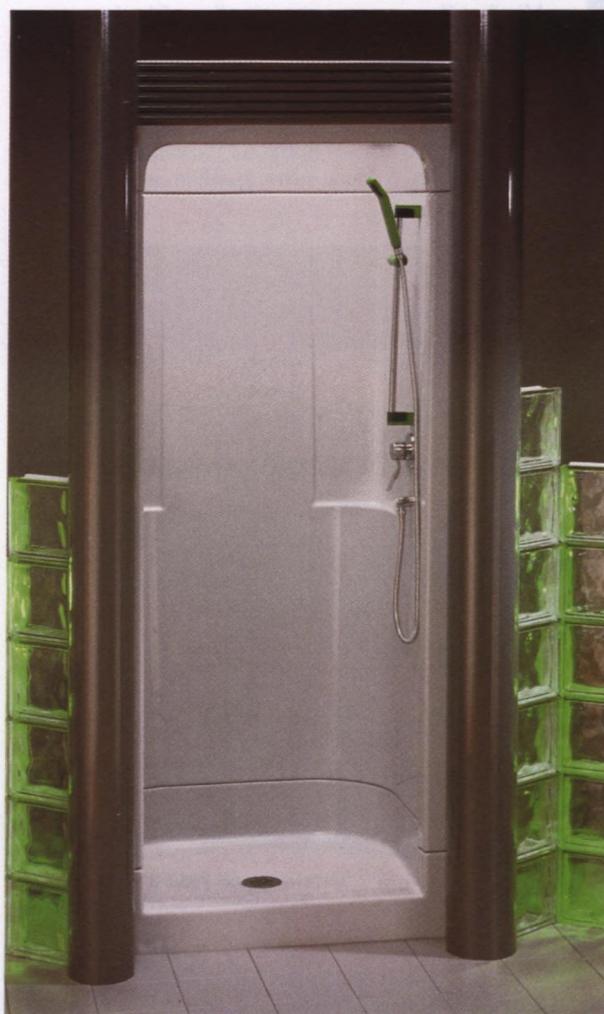
Modern Fiberglass Inc.  
 60 Snowflake Road  
 Toronto, Ontario  
 Canada M2E 0K1  
 Tel: (416) 231-8000  
 Fax: (416) 231-8822

Millik Manufacturing Inc.  
 7634 Kismet Street, Unit 17  
 Mississauga, Ontario  
 Canada L5B 1A2  
 Tel: (416) 673-1243  
 Fax: (416) 673-7622

Modern Fiberglass designs and manufactures elegant, colour-co-ordinated, high-strength shower stalls, tub/shower combinations and bathtubs to suit apartments, new housing construction or do-it-yourself renovation.

Available in a choice of 16 beautiful one-piece or sectional models of different styles and sizes, and in 50 decorator colours, the moulded fibreglass stalls and tubs are rigid, strong, lightweight, completely watertight and easy to install. They offer superior quality in terms of finish, safety and comfort features and provide a flawless colour match with most popular lines of bathroom fixtures.

Modern Fiberglass is recognized for its excellent dealer support and after-sales service across Canada and the New England states.



The Modern Fiberglass shower stalls and tub/shower combinations are available in a choice of 50 decorator colours.

The more than 200 decoration bathroom solutions with an integrated lighting include a style for every taste.

**Monarch Industries Limited**

P.O. Box 429  
 889 Erin Street  
 Winnipeg, Manitoba  
 Canada R3C 3E4  
 Tel: (204) 786-7921  
 Fax: (204) 889-9120

Established more than 50 years ago, Monarch is a fully integrated manufacturer of pumps, contractors' equipment and fluid power products. Monarch operates three major plants and has a worldwide distribution system that is strategically located to serve its growing markets. Every Monarch product is characterized by built-in engineering that begins at the drawing board; rigorous quality control standards, met in the manufacturing process; and dependable customer service that ensures satisfaction.

The extensive Monarch product line includes pumps and water systems, concrete and mortar mixers, dewatering and self-priming pumps, and fluid power products. The firm also manufactures custom castings and machined products for customers, who know they can depend on Monarch's innovative design capabilities to deliver a superior product.



Pumps in the power saving Monarch Jet King Series have capacities up to 1 080 gph.

**Nolar Industries Ltd.**

54A Viceroy Road  
 Concord, Ontario  
 Canada L4K 1A9  
 Tel: (416) 669-5513  
 Fax: (416) 669-6587

Nolar Industries specializes in the production of all types of non-metallic gaskets and seals to customer specifications, using raw materials such as fishpaper, compressed asbestos, closed and open cell sponge, solid rubber and treated papers.

At its superior production facilities, Nolar Industries uses its technological expertise to mould, extrude, injection mould and die cut seals and gaskets for a variety of plumbing products for both OEMs and the replacement market.

Nolar Industries supplies non-metallic seals and gaskets to a wide variety of OEM industries throughout North America.

**Nova International**

Division of Avmor Ltd.  
 1320, rue Barré  
 Montréal, Québec  
 Canada H3C 1N4  
 Tel: (514) 939-3542  
 Fax: (514) 939-1508

Nova, one of North America's best-known manufacturers of electric hand and hair dryers, exports its excellent-quality products worldwide.

Nova hand dryers are an economical alternative to cloth or paper towels because they eliminate most washroom maintenance costs. With the Nova automatic hand dryers, there are no supplies to order and replace, and no waste to clean up. Nova hair dryers are equally effective and can be used in tennis, health or country clubs, resorts, schools — anywhere in fact, where people swim or shower.

Easily mounted on wood, cement, brick or hollow wall surfaces, Nova dryers are attractively styled with chromium-plated nozzles and a non-corroding body construction. The 2 000 W heating elements are protected against overheating and the timing mechanisms are sealed to guard against vandalism.

Economical and durable, Nova dryers, each of which carries a 10-year warranty, offer the luxury of warm air hand and hair drying at a competitive price.

**PEM Fountain Co.**  
 Division of Imperial Irrigation Co. Ltd.  
 P.O. Box 426  
 Richmond Hill, Ontario  
 Canada L4C 4Y8  
 Tel: (416) 889-3201  
 Fax: (416) 884-8941

■ PEM designs and manufactures a comprehensive line of fountain equipment recognized to be among the best in the world. As a result, many prestige decorative fountain installations in major cities of North America, Europe, Asia and Australia are based on made-to-order PEM components.

The PEM product line offers an outstanding selection of nozzles and spray jets for any size decorative fountain; cast bronze underwater lighting fixtures designed for power outputs of up to 1 000 W at full or low voltage, complete with support equipment such as submersible junction boxes, conduits, fixtures and fittings; specialized control equipment including water level controls (electrical and electronic), wind velocity activated electronic safety shut-off switches and sequencing controls for underwater colour illumination.

Modern design, advanced production technology, fine workmanship and optimum choice of materials ensure the reliability and superior quality of PEM fountain components.



Water harnessed into beautiful action by PEM Fountain.

**Regal Medi-Spa Co. Inc.**  
 3520 - 11 McNicoll Avenue  
 Scarborough, Ontario  
 Canada M1V 4V6  
 Tel: (416) 298-2366  
 Fax: (416) 298-4482

■ The Regal Medi-Spa horizontal shower is the most innovative and efficient system of its kind on the market today. The Medi-Spa is designed for ambulatory, semi-ambulatory, geriatric and chronic-care patients. It is also ideal for spinal cord injuries, palliative care and oncology patients as well as post-operative bathing for ICU/CCU, neurosurgery, gynaecology and burn patients.

The Special Handling Unit (SHU) eliminates the need for lifting devices, assures privacy and provides an invigorating total-body spray in a warm, draft-free environment. A clip-on basin simplifies hair washing and a special water deflector curtain keeps floors safely dry.

The Burn Patient Unit (BPU) has specially designed fine-mist sprays that gently cover the entire body of a burn victim. The access ports permit the attendant to remove dressings and perform necessary care while the patient is in a controlled environment.

Regal Medi-Spas are constructed of double-walled gel-coated fibreglass and are equipped with dual pressure thermostatic mixing valves with anti-scald safeguards and built-in dispensers that mix and blend lotion, soap/shampoo and disinfectant as needed.

The Medi-Spa trolley, which fits into each bathing system, is of bedside height to facilitate patient transfer. The transporter is constructed of a tubular stainless steel frame with a reusable nylon netting.

Hospitals and nursing homes throughout North America depend on Regal Medi-Spa bathing systems.

Sanitation Equipment Limited  
 35 Clon Court  
 Concord, Ontario  
 Canada L4K 3S7  
 Tel: (416) 738-0088  
 Fax: (416) 738-2483



The Regal Medi-Spa shower simplifies the care and bathing of burn patients and others who are difficult to move without causing pain.

The Regal Medi-Spa shower is built with a stainless steel frame and a non-slip floor.

**Rototech-Smith**  
 2225, boulevard Hymus  
 Dorval, Québec  
 Canada H9P 1J8  
 Tel: (514) 332-1232  
 Fax: (514) 332-6267

Rototech-Smith manufactures a variety of drainage products designed to meet the requirements of a wide range of sanitary waste applications. Using the latest technological advances in design and materials, these precision-engineered products are quality built for reliable long-lasting service.

Rototech-Smith's wide range of products includes precision-engineered cast-iron and combination nickel/bronze floor and roof-top drains for industrial, hospital, municipal and commercial applications; clean-out drains; oil and grease interceptors; and non-freezing hydrants.

The company custom designs drains and interceptors to customer specifications for the toughest applications.

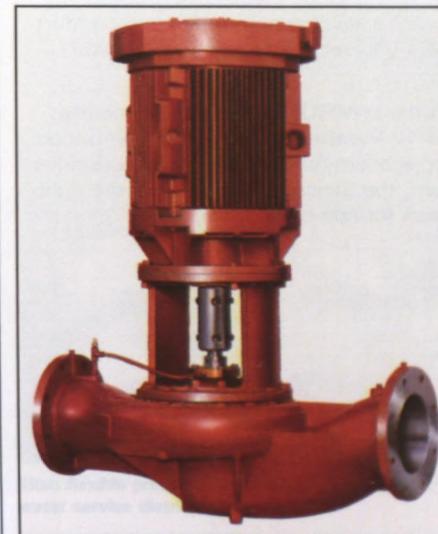
The Rototech-Smith products are designed to meet the toughest applications.

**S.A. Armstrong Limited**  
 23 Bertrand Avenue  
 Scarborough, Ontario  
 Canada M1L 2P3  
 Tel: (416) 755-2291  
 Fax: (416) 755-8469

Canada's leading manufacturer of centrifugal pumps and heat exchangers, S.A. Armstrong has gained a worldwide reputation for the excellent performance and reliability of its precision-engineered products used in residential, commercial and industrial markets.

The diversified S.A. Armstrong product line offers hot water circulators; sewage and submersible sump pumps; vertical in-line pumps with capacities ranging from 350 to 5 000 US gpm and heads from 61 m (200 ft.) to 213 m (700 ft.); and packaged systems consisting of single- and multi-pump arrangements.

In addition, S.A. Armstrong manufactures a comprehensive line of shell and tube heat exchangers including water heaters, oil heaters, lube oil coolers, aftercoolers, refrigeration chillers and a broad range of custom designed heat transfer systems for chemical, petrochemical and associated process applications. Plate heat exchangers are also available.



S.A. Armstrong pumps range in capacity up to 5 000 USgpm.

**Sancor Industries Ltd.**  
 140 - 30 Milner Avenue  
 Scarborough, Ontario  
 Canada M1S 3R3  
 Tel: (416) 299-4818  
 Fax: (416) 299-3124

■ Sancor manufactures ENVIROLET advanced environmental and waterless toilet systems that are ideal for cottages, rural homes and vacation cabins in remote areas. The ENVIROLET toilets are also widely used on trains, ships, construction sites, bridges, guard stations, isolated radar and telephone stations as well as in many government and military installations. They are efficient, economical, odourless and operate effectively in hot or cold climates.

The ENVIROLET is a biological or composting toilet system that evaporates waste liquids and breaks down waste solids by natural bacterial action. This patented toilet system accelerates the decomposition process and converts waste material into natural soil residue. It needs emptying as little as once per year and requires no water, no chemicals or septic tank for operation.

The ENVIROLET Multi-System 10 runs on electricity and features a dual fan system, heavy-duty thermostatically controlled heater, two-position switch, removeable "works-in-a-drawer" service compartment and comfortable fixture. A do-it-yourself vent kit is included with the system.

Other systems in the ENVIROLET line include models that operate on a 12 V battery with solar power option and a non-electric economy unit. In a society conscious of the environment, the Sancor ENVIROLET is the right toilet system option for non-urban locations.



The waterless Sancor toilet is convenient, odourless and environmentally safe.

**Sanitation Equipment Limited**  
 35 Citron Court  
 Concord, Ontario  
 Canada L4K 2S7  
 Tel: (416) 738-0055  
 Fax: (416) 738-2483

■ Sanitation Equipment is a leading international manufacturer and supplier of portable and low water usage toilets.

The Passport Portable Toilet models from Sanitation are fresh-water flushing and completely self-contained so that they can be conveniently hand carried. Built from advanced, high-quality plastics, the Passport provides odourless, hygienic and convenient personal sanitation in recreational vehicles, boats, homes, hospitals, penal institutions and the armed forces.

The Flush-O-Matic Water Miser Toilet on average uses less than one quart of water per flush or only five per cent of the water used by a conventional toilet. Made of white durable ABS plastic, the Flush-O-Matic is ideally suited for septic tank installations in residential, commercial/industrial and rural locations. The unit operates with water pressure gravity-feed or hand-ladling methods.

Exported to 30 countries, Sanitation Equipment toilets are among the best of their type on the market.



The Passport portable toilet is fresh-water flushing and completely self-contained.

Department of Canada  
150, rue St. Joseph  
Lachine, Québec  
Canada H8S 2L3  
Tel: (514) 834-8881  
Fax: (514) 834-1098



The Flush-O-Matic water miser uses 95 per cent less water per flush than a conventional toilet.

**Scepter Manufacturing Co. Ltd.**

495 Finchdene Square  
Scarborough, Ontario  
Canada M1X 1B7

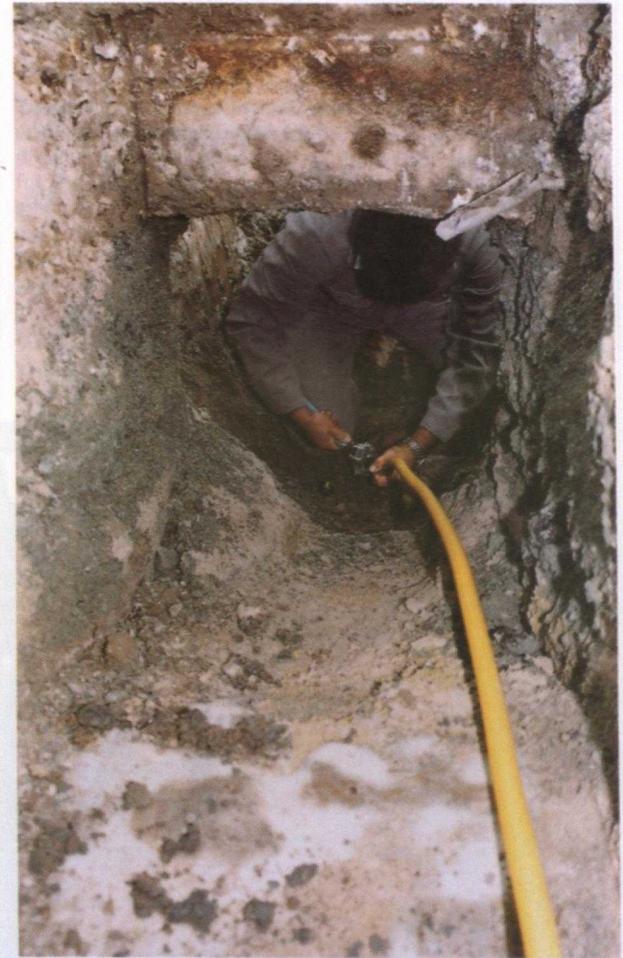
Tel: (416) 321-8811  
Fax: (416) 321-8824

■ Scepter manufactures a unique and revolutionary multi-purpose, multi-layer pressure pipe in a full range of sizes.

Kitec\* is a flexible pressure pipe consisting of an aluminum tube laminated between two layers of plastic. By its very nature, Kitec eliminates the traditional disadvantages of an all-metal or all-plastic pipe. It offers corrosion resistance, strength and resistance to such substances as acids, salt solutions, alkalis, fats and oils. The light-weight pipe is easy to handle and simple to install.

Kitec is available in a range of colours for applications that include compressed air, hot water, cold water, underfloor heating, air conditioning, central heating, solar heating, electrical conduit and industrial process piping.

\*Kitec is the trademark of Kitechnology B.V. used under licence by Scepter Manufacturing Co. Ltd.

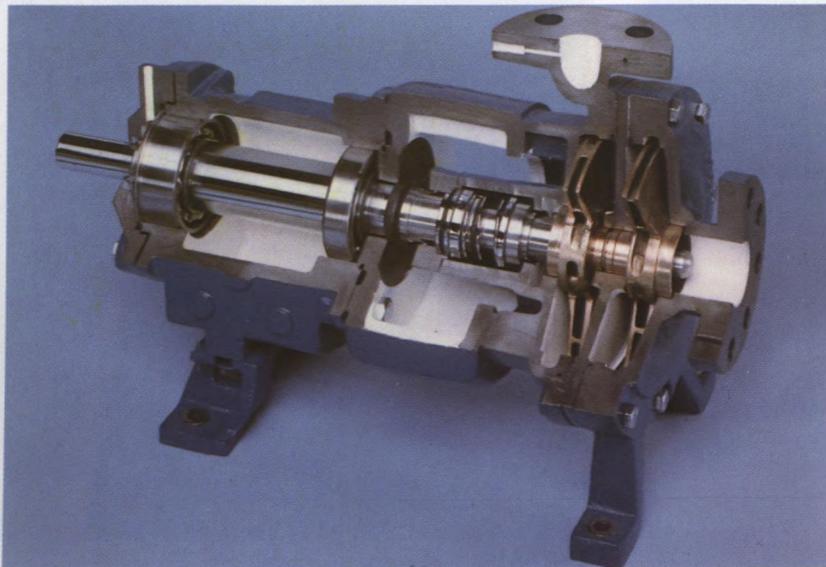


Kitec flexible pressure pipe being installed for water service distribution.

**Smart Turner Limited**  
 P.O. Box 2027  
 Hamilton, Ontario  
 Canada L8N 3S8  
 Tel: (416) 527-4567  
 Fax: (416) 527-7173

■ With over 100 years of production experience, Smart Turner is Canada's leading designer and manufacturer of heavy-duty industrial and municipal pumps. The company's in-depth technological expertise and commitment to quality assures solid design, competent application, superior workmanship, minimum maintenance and dependable service.

The Smart Turner product line includes ANSI B73.1 process pumps, and standard end suction pumps, double-suction pumps, multi-stage pumps, vertical sump pumps, non-clog pumps, refuse pumps, vertical cantilever centrifugal pumps, as well as steam and motor-driven reciprocating pumps. The pumps are available in sizes ranging from 2.5 cm (1 in.) to 30 cm (12 in.) discharge.



The multi-stage boiler feed pump is just one of the many different types of sophisticated industrial Smart Turner pumps.

Smart Turner selects the best materials for its pumps and manufactures them from cast iron, steel and such corrosion-resistant alloys as bronze, stainless steel, Hastelloy and titanium alloys, according to application. Smart Turner meets or exceeds CSA Z299.3 and Z299.4 quality assurance standards and many other regional and municipal standards that demand superior quality and performance.

**Spartan of Canada**  
 160, rue St. Joseph  
 Lachine, Québec  
 Canada H8S 2L3  
 Tel: (514) 634-8981  
 Fax: (514) 634-1696

■ Spartan is today's premier manufacturer of shower stalls, utility tubs, vanity and medicine cabinets, tub-surrounds, shower and tub enclosures designed for residential, commercial and institutional applications.

Spartan products are built to perform. The advanced design features and the use of only the finest materials ensure that Spartan products meet the decorative and functional requirements that do-it-yourselfers, builders, architects, remodelers and plumbers look for.

At the company's integrated manufacturing facilities, skilled workers use state-of-the-art injection moulding, vacuum forming, metal stamping and woodworking equipment in the assembly of Spartan's outstanding products.

Currently, Spartan has more than 26 477 m<sup>2</sup> (285 000 sq. ft.) of plant and warehouse space in Canada and the United States. Through vertical integration, new product development, acquisitions and, most importantly, responsive customer service, Spartan has become a proven leader in the bath industry.

Water Faucets  
1388 Wallace Street  
Waltham, Ontario  
Canada M8A 4L9  
Tel: (416) 877-5125  
Fax: (416) 877-5379

Water Showers Ltd.  
1000 Dundas Street  
W. Toronto, Ontario  
Canada M6J 1K8  
Tel: (416) 877-5125  
Fax: (416) 877-5379

Valley Metal Products Ltd.  
1004 Linden Valley Road  
Kitchener, Ontario  
Canada N2C 2W2  
Tel: (519) 882-7288  
Fax: (519) 882-7288

Valley Faucets Ltd.  
1388 Wallace Street  
Waltham, Ontario  
Canada M8A 4L9  
Tel: (416) 877-5125  
Fax: (416) 877-5379



ated together to build your bathroom

The Spartan shower enclosure is compact, efficient and elegant.

**TWINCEE Limited**  
20 Armstrong Avenue  
Georgetown, Ontario  
Canada L7G 4R9  
Tel: (416) 877-5125  
Fax: (416) 877-5379

■ TWINCEE offers a full complement of contemporary, superior-quality washroom equipment, precision-crafted modular service centres and custom-designed accessories.

The company's product line includes paper towel, tissue and napkin dispensers/disposals; soap dispensers; hand dryers; waste receptacles; grab bars and shower seats for the handicapped; hospital accessories such as shelves and bedpan cabinets; and bath accessories ranging from recessed soap holders to shower rods and curtains. By creating its own products, TWINCEE is able to custom design virtually any accessory or modify an existing design to meet a customer's requirements for an exceptional style, colour or size.

The precision-crafted modular TWINCEE service centres are built to specific requirements from the company's broad selection of standard components. They are functional, attractive and cost effective.

TWINCEE has supplied washroom accessories to major office towers, prestigious art galleries and luxury hotels, as well as for a broad range of institutional applications across North America. The company is recognized for its excellent consulting and design services and its guaranteed delivery of orders.

**Valley Fibrebath Ltd.**  
 Spallumcheen Industrial Park  
 Armstrong, British Columbia  
 Canada V0E 1B0

Tel: (604) 546-8701  
 Fax: (604) 546-3755

Valley Fibrebath manufactures both acrylic and gelcoat fibreglass-backed bathtubs and showers for the new construction and home-renovation markets.

In the acrylic line, Valley Fibrebath offers luxurious single or double massage tubs designed for complete comfort, with water jets, anti-vortex suction fittings, back supports, arm and head rests. Elegant whirlpool tubs shaped from solid colour cast sheet acrylic by Valley Fibrebath have up to six hydro-therapy jets with programmable controls and solid brass or chrome fittings.

Other acrylic products manufactured by Valley Fibrebath, in a choice of attractive colours and sizes, are shower bases, modular one-piece tub-shower units, luxury tubs, and one-piece seamless shower stalls with optional tempered glass doors.

In its fibreglass series, Valley Fibrebath produces one-piece and sectional tub/shower combinations, modular shower stalls, tub enclosures and deep Roman and oval-shaped tubs with whirlpool options.

**Valley Metal Products Ltd.**  
 1084 Hidden Valley Road  
 Kitchener, Ontario  
 Canada N2G 3W5

Tel: (519) 893-1295

Valley Metal Products was formed by plumbers who recognized the need for a 'wall' pipe support that was practical and inexpensive. Pipe Stays was their innovative and effective solution.

Pipe Stays are offered in sizes ranging from 1.3 cm (1/2 in.) to 5 cm (2 in.) in several long and short configurations to fit both copper and steel pipe. The economical, easy-to-install pipe stays have a 3 to 5 mil epoxy coating to prevent the galvanic corrosion of copper pipe.

The Pipe Stay Clevises from Valley Metal Products allow one 1 cm (3/8 in.) rod and one anchor to be used for several pipe runs. Using the combination of Pipe Stays and Clevises, the pipe installer can take advantage of hanger rods that are supporting existing pipe to save space and time. With Clevises, Pipe Stays can be positioned in any desired position on the rod.

Introduced a decade ago, Pipe Stays and Clevises are best sellers across Canada today.



Pipe Stays, an innovative 'wall' support that speeds up the installation of pipe.

**Waltec Faucets**  
 1355 Wallace Street  
 Wallaceburg, Ontario  
 Canada N8A 4L9

Tel: (519) 627-3361  
 Fax: (519) 627-0477

Waltec Faucets is a leading Canadian manufacturer of two-handle and single-control, washerless faucets; tub and shower fittings; and plumbing fixture trim for the residential market. These superior-quality products are offered in a broad selection of contemporary styles, colours and finishes.

Established in 1905, Waltec possesses a long, proud heritage of quality craftsmanship. In addition, a keen awareness of today's consumer demand for styling and finishes is reflected in every Waltec product. State-of-the-art, computer-aided design capabilities, modern production facilities and rigorous commitment to quality control during every step of production ensure that Waltec faucets and fittings provide years of dependable, trouble-free performance.

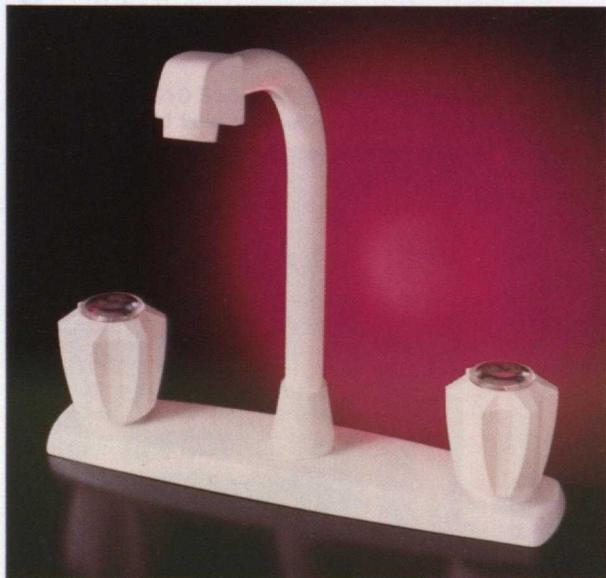


Waltec FASTFILL™ Roman bath faucets feature large 1.9 cm (3/4 in.) waterways to provide convenient quick filling of whirlpool baths.

Watts Regulator of Canada Ltd.  
 441 Horton Road  
 Woodbridge, Ontario  
 Canada L4L 3T1  
 Tel: (416) 851-8081  
 Fax: (416) 851-8788

**Waltec Sinkware**  
 1000 Kindred Road  
 Midland, Ontario  
 Canada L4R 4K9  
 Tel: (705) 526-5427  
 Fax: (705) 526-8055

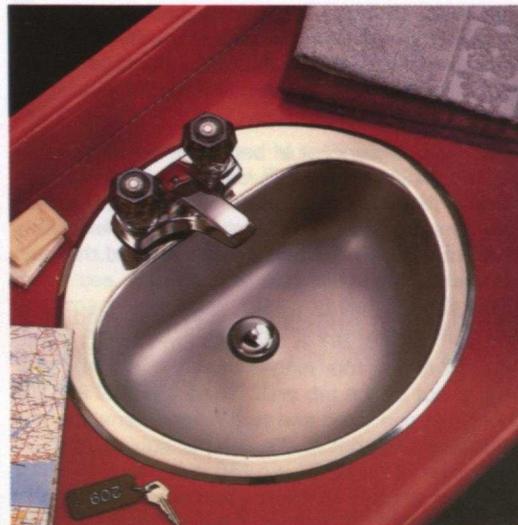
Waltec Sinkware  
 1000 Kindred Road  
 Midland, Ontario  
 Canada L4R 4K9  
 Tel: (705) 526-5427  
 Fax: (705) 526-8055



Available with hose and spray, chrome or acrylic handles and decorator finishes. EUROFALL™ kitchen and bar faucets combine European styling with Waltec reliability.

Waltec Sinkware, Canada's largest producer of stainless steel sinks, offers a selection of more than 130 models for kitchen, bathroom, laundry or bar, as well as units for commercial, industrial and institutional applications. The company is recognized on world markets for the uncompromising quality and innovative design of its products and for its dependable customer service.

Waltec sinks are manufactured from 18-8 nickel bearing stainless steel that will not chip, crack, discolour or promote bacterial growth. Every sink is undercoated to prevent condensation and to deaden sound. Waltec products feature mirror-finished ledges, satin-finished bowls and integral drains to ensure easy cleaning.



The beautiful Waltec stainless steel sinks and vanities are stylish, easy to keep clean and enhance any decor.

**Waterline Products Co. Ltd.**

117 Vulcan Street  
 Rexdale, Ontario  
 Canada M9H 4A5

Tel: (416) 245-1251

Fax: (416) 245-5655

■ The FASHION FOLD™ trackless shower enclosure series is the latest innovative product from Waterline, specialists in superior-quality bathroom fixtures and plumbing fittings for the consumer and industrial markets.

A revolutionary new concept in bathroom beauty and efficiency, the FASHION FOLD™ is made of strong, double-walled, fluted safety acrylic sheet, framed with lightweight co-extruded PVC. The three available models are the bathtub enclosure, the shower door and the corner entry shower door.

The FASHION FOLD™ bathtub enclosure, designed to fit openings from 145 cm (57 in.) to 183 cm (72 in.), consists of two fixed and four hinged panels that fold completely into or out of the tub area. The FASHION FOLD™ shower door has one fixed and two hinged panels which fold compactly into or out of the shower cubicle and enclose openings of up to 91 cm (36 in.). The FASHION FOLD™ corner entry shower door creates a water-tight seal with a continuous magnetic strip and allows shower access from the right, left or both sides at once.

Waterline also manufactures a wide assortment of plastic pipe fittings, solderless copper fittings and roof vent flashings.

**Valley Metal Products Ltd.**

3084 Hidden Valley Road  
 Kitchener, Ontario  
 Canada N2G 3W6  
 Tel: (519) 843-1285

**Waterline Products Co. Ltd.**

1177 Vulcan Street  
 Rexdale, Ontario  
 Canada M9H 4A5  
 Tel: (416) 245-1251  
 Fax: (416) 245-5655

**Waterline Products Co. Ltd.**

1385 Wallace Street  
 Wallaceton, Ontario  
 Canada N5A 1S8  
 Tel: (519) 827-3885  
 Fax: (519) 827-6677



The FASHION FOLD™ bathtub enclosure and shower door are unique in design and convenience.

# Heating

## Watts Regulator of Canada Ltd.

441 Hanlan Road  
Woodbridge, Ontario  
Canada L4L 3T1

Tel: (416) 851-8591  
Fax: (416) 851-8788

■ Watts Regulator specializes in the design and manufacture of regulation safety devices for water and steam services.

The Watts FS10 Series of flow switches accurately monitors liquid flow in pipelines servicing water systems, heating systems, air conditioning and process installations in industrial and commercial applications. The single-pole, double-throw switch of this series can be utilized to start or stop a pump when flow or no flow conditions exist, or may actuate a signalling device when flow is inadequate. 'Wetted' parts of the switch are made of brass and beryllium copper to prevent corrosion.

The Watts FS20 (Nema 4X) type flow switch is similar in function to the FS10 Series but has a water-tight, dust-tight and corrosion resistant switch housing. The FS20 Series is recommended for use in high humidity areas.

The Watts line of cast iron and bronze steam safety relief valves includes the Figure 10 (ASME Section IV) cast iron relief valves designed for industrial and commercial steam heating boilers with operating pressures from 34.5 to 103 kPa (5 to 15 psig). The Watts Figure 15 cast iron/bronze safety relief valves are designed for over-pressure protection of low- to medium-pressure steam boilers, high-volume blowers and compressors, air pollution control equipment, dryers, dust collectors and similar pneumatic systems.

For steam boilers with pressures to 1 724 kPa (250 psig), Watts manufactures the rugged, dependable Figure 31 (ASME Section I) cast-bronze safety relief valve. The Watts Figure 41 is a cast-bronze high-capacity, full-nozzle safety relief valve for saturated steam service on unfired pressure vessels, steam lines and other applications up to 1 724 kPa.

For all quarter-turn pneumatic actuation requirements, the company produces the Watts PA and PAS Series of pneumatic actuators. Designed for 17 to 339 N m (150 to 3 000 in./lb.) torque output, the PA and PAS Series actuators are of double-rack and pinion construction, double-acting and spring-return.

Watts also manufactures water system accessories such as bronze and ABS foot valves, check valves and sand strainers.

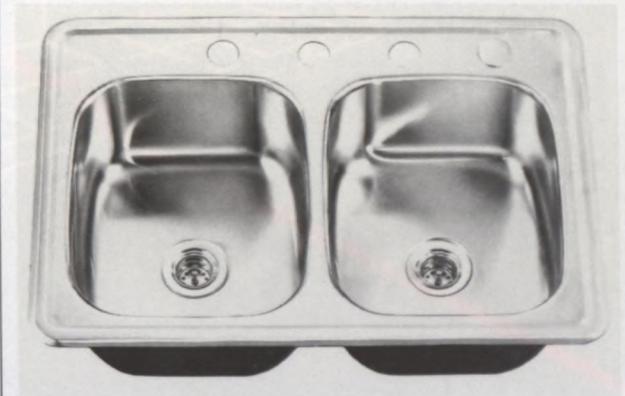
## Wessan Plumbing Manufacturing Ltd.

1775 Drew Road  
Mississauga, Ontario  
Canada L5S 1J5

Tel: (416) 677-7500  
Fax: (416) 677-4960

■ Established in 1951, Wessan is a prominent Canadian manufacturer of stainless steel sinks for residential, institutional and industrial applications. The Wessan sink sets the standard for quality, convenience and long service.

Wessan kitchen, bar and laundry sinks for the home are produced from nickel/chrome stainless steel in a choice of single-, double- and triple-bowl models, offered in a variety of bowl depths and sizes. For optimum convenience, combination units may feature bowls of different capacities. The Wessan stainless steel sinks are available with machine ground 'diamond-glo' or 'satin' finished bowls and are highlighted by a gleaming mirror-polished ledge to accent any application. All sinks are fully under-coated to dampen sound.



The Wessan DRL-23 stainless steel kitchen sink has a machine ground 'diamond-glo' or 'satin' finish highlighted by a gleaming polished edge.

**York Energy Conservation**  
 55 West Beaver Creek Road, Unit 27  
 Richmond Hill, Ontario  
 Canada L4B 1K5

Tel: (416) 764-3232  
 Fax: (416) 764-8325

■ The ION STICK™ manufactured by York is a powerful, cost-effective electrostatic water treatment device designed for easy retrofitting into any water-based heat-transfer system.

Designed for industrial and commercial applications, the non-polluting, non-chemical ION STICK™ prevents hard water scale from forming in the system; softens the existing scale to permit easy cleaning; and controls environmental conditions to eliminate bacteriological fouling. As a result, the ION STICK™ increases the efficiency and improves the performance of cooling jackets and similar systems. It also minimizes the need for calcium-reducing chemicals and biocides for water treatment.

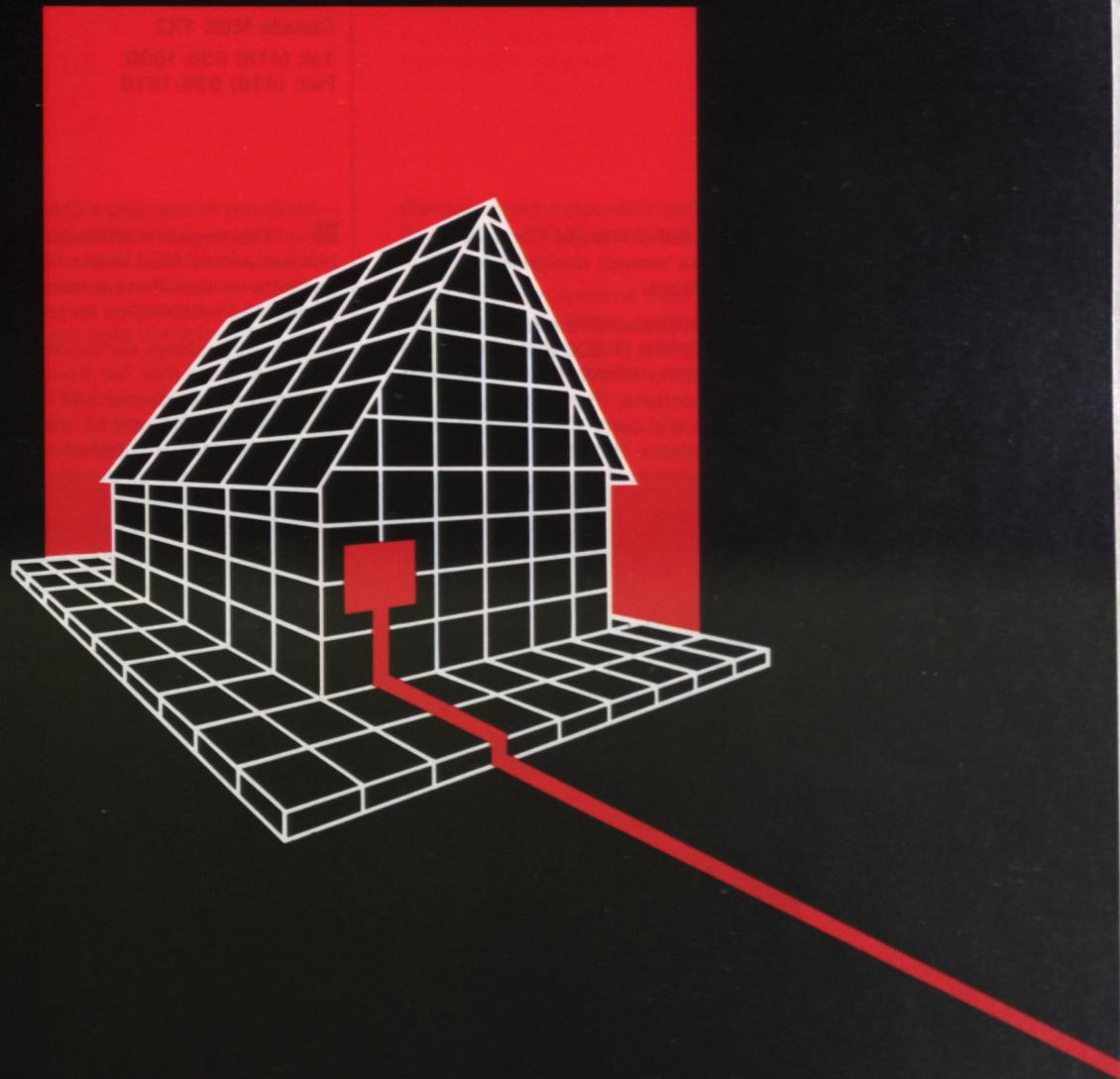
The ION STICK™ is 53 cm (21 in.) long and fits into 4 cm (1½ in.) standard plumbing thread in piping 7.6 cm (3 in.) or more in diameter without hampering water flow.

York Energy exports the ION STICK™ worldwide through an extensive distribution network specializing in customer service and satisfaction.



The ION STICK™ is a powerful electrostatic water treatment device that prevents scaling and controls bacterial fouling in water-based heat-transfer systems.

# Heating



**ACME Vessels and Metal Ltd.**

6557, rue Côte de Liesse  
Montréal, Québec  
Canada H4T 1E6

Tel: (514) 342-5782

Fax: (514) 342-3131

■ ACME Vessels and Metal is a major Canadian manufacturer of high-pressure vessels designed for demanding industrial applications.

The company produces a comprehensive range of pressure vessels — up to 10 342 kPa (1 500 psi) — in a wide range of materials including stainless steel, Incoloy and Monel to custom specifications. Pressure vessels are built to ASME Standards and carry CRN (Canadian Registration Number) name plates. 'L1' stamped and 'S' stamped vessels are also available.

ACME Vessels and Metal supports its products with warranties and full technical back-up.

**Aero Environmental Limited**

37 Hanna Avenue  
Toronto, Ontario  
Canada M6K 1X2

Tel: (416) 535-1600

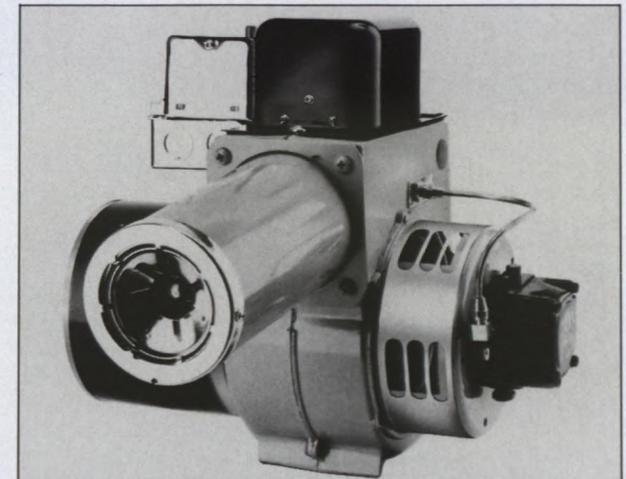
Fax: (416) 535-1616

■ The largest manufacturer of flame retention oil burners and oil-fired water heaters in Canada, Aero has gained a worldwide reputation for the outstanding efficiency and reliability of its products.

Aero manufactures six models of efficient flame retention oil burners that fire from 0.4 to 15 gph and are designed for residential and light commercial applications. All are CSA and UL certified and exceed 85 per cent in efficiency. Supplied with a single-stage mini fuel pump, these Aero oil burners can be equipped optionally with a two-stage pump, a relay and cadmium cell, a delayed oil-valve and preheater.

The excellent quality Aero oil-fired water heaters include centre-flue and rear-flue models. The centre-flue series of water heaters, designed for residential use, is supplied in 145 and 227 L (32 and 50 gal.) sizes. The rear-flue water heaters, offered in capacities of 136, 227 and 318 L (30, 50 and 70 gal.) to suit light commercial applications have recovery rates of 94 to 268 gph at 38°C (100°F) rise in temperature.

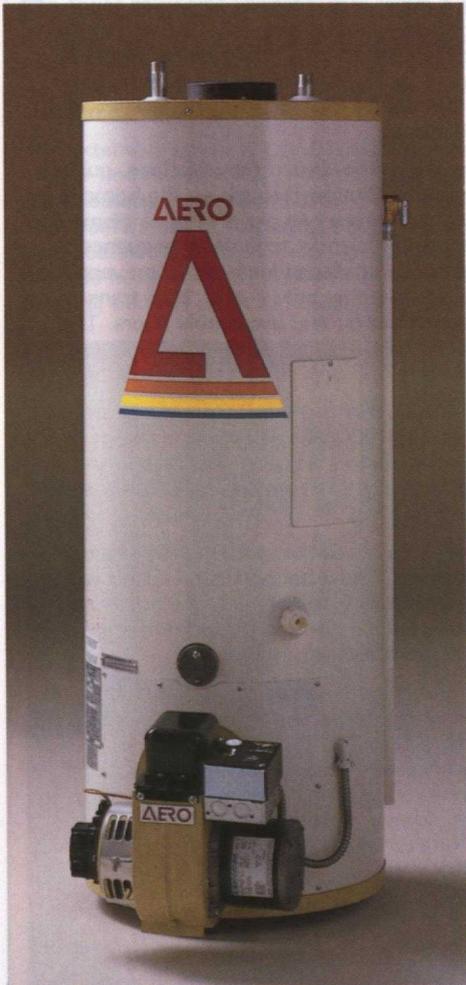
Aero also produces fully insulated, glass-lined hot water storage tanks in 136, 227, 318 and 546 L (30, 50, 70 and 120 gal.) sizes. Other Aero products include indirect water heaters with plate type heat exchangers in 136, 227, 318 and 546 L sizes; swimming pool heaters capable of heating up to 272 760 L (60 000 gal.) pools; and conversion gas burners that can fire up to 370 000 Btu.



The quiet, super-efficient Aero flame retention oil burners are designed to fire against the high positive static pressures of the latest high-efficiency boilers and furnaces.

CALORITECH Inc.  
1360 Speers Road  
Oakville, Ontario  
Canada L6L 6V3  
Tel: (416) 825-2822  
Fax: (416) 825-4134

Green Limited  
1740 Tupper Drive  
Mississauga, Ontario  
Canada L4T 1H9  
Tel: (416) 678-2500  
Fax: (416) 678-2581



Oil-fired Aero water heaters in both centre-flue and rear-flue designs are equipped with a high-efficiency flame retention burner and glass-lined tank.

**All Tech Energy Systems Ltd.**  
33 Blakeny Street  
Moncton, New Brunswick  
Canada E1C 8H7  
Tel: (506) 857-1737  
Fax: (506) 857-1718

■ All Tech is one of Canada's pioneers in the development of 'new generation high-efficiency' water source heat pumps under its Aqua Tec label. The six Aqua Tec models of water-to-air heat pumps are fully contained and provide hot air, domestic hot water and air conditioning for use in residential and light commercial applications.

Under its Aquaculture Aqua Tec label, All Tech manufactures heat-recovery systems primarily for use in the fish farm industry. Aquaculture systems incorporate



stainless steel evaporator and condenser capable of high flow (50 to 5 000 gpm) and high-efficiency ratios of 20:1 or better.

Total recovery systems from All Tech include self-cleaning gravity filters, recovery pumps, heat-recovery plate exchangers, heat pump, back-wash systems, control alarms and other accessories.

Aquaculture heat pumps and heat-recovery systems are designed for heating and cooling water in fish hatcheries.

**Allied Engineering Company**  
 Division of E-Z-RECT Manufacturing Ltd.  
 94 Riverside Drive  
 North Vancouver, British Columbia  
 Canada V7H 2M6  
 Tel: (604) 929-1214  
 Fax: (604) 929-5184

■ For more than 40 years, Allied Engineering has been at the forefront of technology in the design and production of hydronic systems for commercial, industrial and domestic hot water needs.

In its compact Super Hot AAE Series of high efficiency gas-fired hydronic boilers, Allied Engineering offers 19 models with capacities of up to 3 000 000 Btu/h input. Designed and manufactured to ASME quality control standards, the AAE boilers feature raised port stainless steel burners, welded integral finned tube heat exchangers, combustion chamber with refractory walls and insulated steel outer jacket. The factory-assembled, pre-wired boilers offer a minimum efficiency of 80 per cent and carry a 10-year guarantee.

For the ultimate combination of high-efficiency and compact size, Allied Engineering offers its Mini Gas Series of gas-fired hydronic heating boilers in 50 000, 75 000 and 100 000 Btu/h input capacities for residential applications. The Series has a CGA rated efficiency of 84.2 per cent and features a large surface heat exchanger and an advanced burner design constructed of stainless steel for optimum fuel efficiency.

The innovative, Super Hot Saturn Series of gas-fired hydronic boilers are more efficient and more compact than traditional models on the market today. Equipped with stainless steel roll-formed tube burners and a continuously welded finned tube heat exchanger modified to increase turbulence, the Saturn boiler has a CGA rated efficiency of 84.2 per cent. The nine Saturn models range in capacity from 135 000 to 495 000 Btu/h input.

The new Super Hot SS Series of indirect-fired hot water heaters are engineered to produce an abundant supply of domestic hot water with maximum energy efficiency. The storage tank and integral heat exchanger are entirely constructed of stainless steel to ensure a long service life. The attractive, durable, insulated enamelled steel jacket reduces standby heat loss.

Allied Engineering also produces stainless steel heat exchangers for hot tubs, spas, pools and solar applications; electric booster hot water heaters designed to

supply commercial dishwashers with instantaneous hot water; residential electric hydronic heating boilers; and external tankless copper coil water heaters in sizes of up to 25 gpm engineered to meet indirect hot water requirements.



Nineteen models of gas- and oil-fired hydronic boilers meet residential, commercial and industrial application needs with input capacities of up to 3 000 000 Btu/h.

**Broan Limited**  
 1140 Tristar Drive  
 Mississauga, Ontario  
 Canada L5T 1H9  
 Tel: (416) 670-2500  
 Fax: (416) 678-2251

■ Broan is a major manufacturer of a wide range of electrical heating and ventilation products designed for residential and light commercial applications. Broan furnaces, heaters, range hoods and ventilating fans are recognized in Canada for their reliability, efficiency and attractive appearance.

The Nortron furnaces from Broan provide clean, quiet, electrically controlled comfort throughout the home or office. The Nortron furnace has nickel-chrome elements for superior thermal efficiency; time delay sequencers that turn elements on at staged intervals to prevent power surges; safety limits; heavy-duty 24-V transformer; multi-speed motor; and disposable filters. The Deluxe Series B units offer a full package of built-in convenience controls.

The Broan fan-forced wall and vestibule heaters are factory wired for up to 4 000 W at 240 V and designed to generate heat quickly and efficiently. The attractive heaters are available in a choice of brass, chrome and baked-on enamel finishes.

The excellent selection of Broan range hoods offers the dramatic see-through silhouette models equipped with solid state speed control with memory; the ducted and duct-free traditional units; and the range hood and microwave shelf combination.

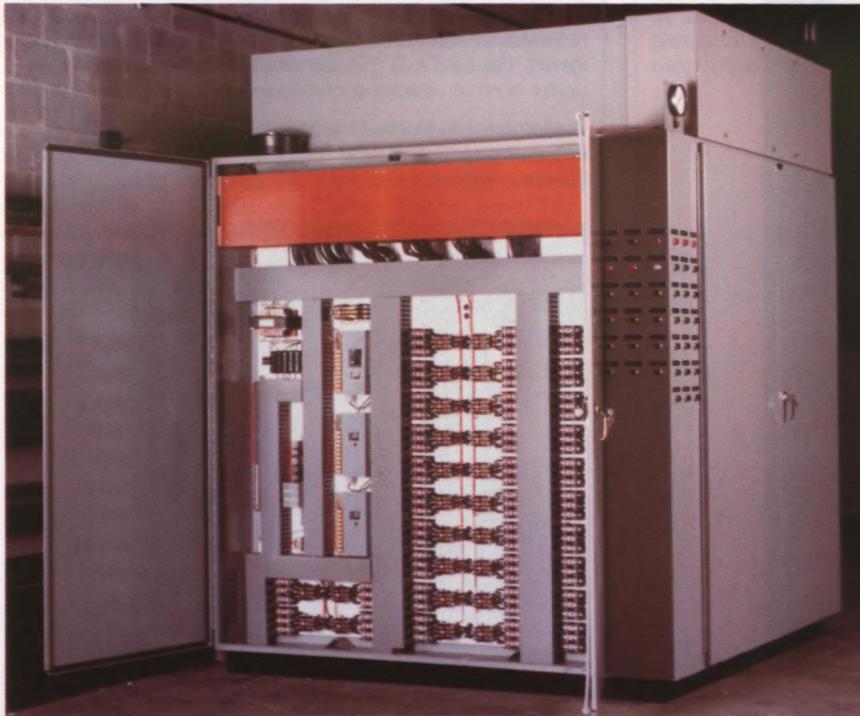
Broan also manufactures super-quiet, specification grade ventilators built with high-performance blowers ranging in capacity from 100 to 3 380 CFM, acoustic insulation, heavy-duty housings and designer-styled grilles. Other Broan ventilation products include 'thru-wall,' ceiling, and room-to-room fans; combination heater/fan and light/fan units; and remote control ventilators.

From its Canadian base, Broan is actively pursuing markets in Europe, South America, Africa and Australia.

**CALORITECH Inc.**  
 1360 Speers Road  
 Oakville, Ontario  
 Canada L6L 5V3  
 Tel: (416) 825-2922  
 Fax: (416) 825-4134

■ CALORITECH is Canada's foremost designer and manufacturer of electric heating equipment, tubular heating elements and electric resistance boilers of the size and capacity to serve the most demanding commercial and industrial applications.

The extensive range of CALORITECH products includes tubular and finned tubular heaters; cartridge heaters; duct heaters; convection heaters; circulation heaters; strip heaters and accessories; flange heaters; gate and gain heaters; screwplug heaters; hazardous locations process heaters; radiant heaters, pipe-insert immersion heaters; packaged electric boilers; steam and hot water



This 4 000 kW unit is one of more than 2 500 CALORITECH boilers installed worldwide.

boilers; and a variety of other electric process and electric comfort heating equipment. CALORITECH also custom fabricates heaters, heating systems and heat-transfer equipment.

CALORITECH is fast expanding its markets at home and abroad. Its success is based upon its ability to design, engineer and manufacture products that offer outstanding value in terms of performance, reliability and cost.

**Candaplan Resources Inc.**  
 393 Rymal Road West  
 Hamilton, Ontario  
 Canada L9B 1V2  
 Tel: (416) 389-3893  
 Fax: (416) 574-6161

■ Candaplan develops heating, ventilation and air conditioning simulation software.

The BESA Design is a detailed energy and loads analysis simulation program that simplifies the task of building and systems simulation on MS-DOS or PC-DOS microcomputers. Energy analysts and HVAC designers will appreciate the simplicity of the user interface and the flexibility the software offers for modelling virtually any building type. The Design program is a complete, stand-alone productivity tool that handles all data input, data analysis and graphical and tabular output.

The BESA Design program can be used to determine equipment sizes, performance requirements and space air flow rates; to calculate the most advantageous scheduling of equipment; to analyze electrical demand; and to simulate other parameters.

BESA Retrofit is an energy and loads analysis MS-DOS or PC-DOS program that simplifies building retrofit analysis to evaluate energy conservation measures, analyze utility rates and determine equipment capacity requirements.



Besa software helps architects, engineers and designers by running HVAC equipment simulations.

**Chromalox Inc.**  
 210 Rexdale Boulevard  
 Rexdale, Ontario  
 Canada M9W 1R4  
 Tel: (416) 743-8000  
 Fax: (416) 743-2911

■ Chromalox quality, innovation and technical expertise have made the company a world leader in the manufacture of electrical heating products for residential, commercial and industrial applications. The comprehensive Chromalox product line encompasses some 15 000 different types, sizes and ratings of heaters, ventilation and air conditioning equipment and controls.

For the residential market, Chromalox designs and manufactures a wide selection of baseboard heaters, fan forced heaters, space heaters, spot and specialty heaters, sauna and swimming pool heaters, furnaces, heat pumps, controls, thermostats and accessories.

The 'Time of Day' heat storage furnace recently introduced into the U.S. market by Chromalox is an exceptionally economical and energy-efficient unit designed for the housing and light commercial markets.



A glimpse of the full range of Chromalox heating products.

For commercial requirements, Chromalox produces a full range of architectural fan forced and cabinet heaters, unit heaters, blower heaters, explosion-proof heaters, elements, convectors and air handlers.

Chromalox also manufactures a wide variety of industrial electric heaters for liquids and gases, boilers and process heating equipment.



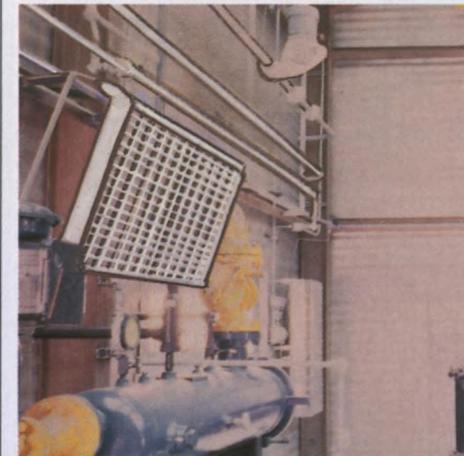
The high-efficiency central heat storage furnace is ideal for homes and light commercial applications.

**CIS-CAN Sales (Western) Ltd.**  
 3880 - 74th Avenue  
 Edmonton, Alberta  
 Canada T6B 2P7  
 Tel: (403) 466-3178  
 Fax: (403) 468-5904

■ The CATA-DYNE infrared flameless gas heaters produced by CIS-CAN are used for space and equipment heating in all types of oil and gas field buildings as well as in paint drying ovens, plastics curing and forming, and other industrial heating applications in hazardous areas. These high-performance heaters carry Canadian Gas Association certification (Class 1, Divisions 1 and 2, Group D) for hazardous area uses.

CATA-DYNE heaters, available in a choice of stationary and portable models generating from 3 600 to 45 000 Btu/h, efficiently convert hydrocarbon fuels into useable infra-red energy using a patented explosion-proof catalyst bed. The tough, reliable CATA-DYNE heaters need either 12 V or 120 V electrical power for start-up, but none is required for operation. Economical to run and simple to install, the CATA-DYNE demands little maintenance under normal operating conditions.

Well-known in North America, the CATA-DYNE is becoming recognized for its excellent reliability in Europe, Australia and Asia.



CIS-CAN manufactures five models of flameless infrared gas heaters for industrial heating applications in hazardous areas.

**Climate Master Inc.**  
 6130 - 97th Street  
 Edmonton, Alberta  
 Canada T6E 3J4  
 Tel: (403) 436-5924  
 Fax: (403) 438-0628

Noted for its design and product innovations, Climate Master manufactures a wide range of residential and commercial heating and cooling products that offer reliable performance, economy and long service life.

The company's extensive product range includes furnaces from 70 to 235 MBH input; unit heaters with input capacity of 70 to 340 MBH; and air or water cooled, split or packaged air conditioning systems ranging from 1 016 to 8 128 kg (1 to 8 ton) capacity.

Climate Master also produces custom-built indoor and roof-top heating, ventilating, direct and indirect fired make-up air and air conditioning units. These include VAV, single and multi-zone units with gas-fired, electric, steam and hot water heating. Heating capacity ranges from 233 to 5 600 MBH and cooling size from 8 128 to 162 560 kg (8 to 160 tons).

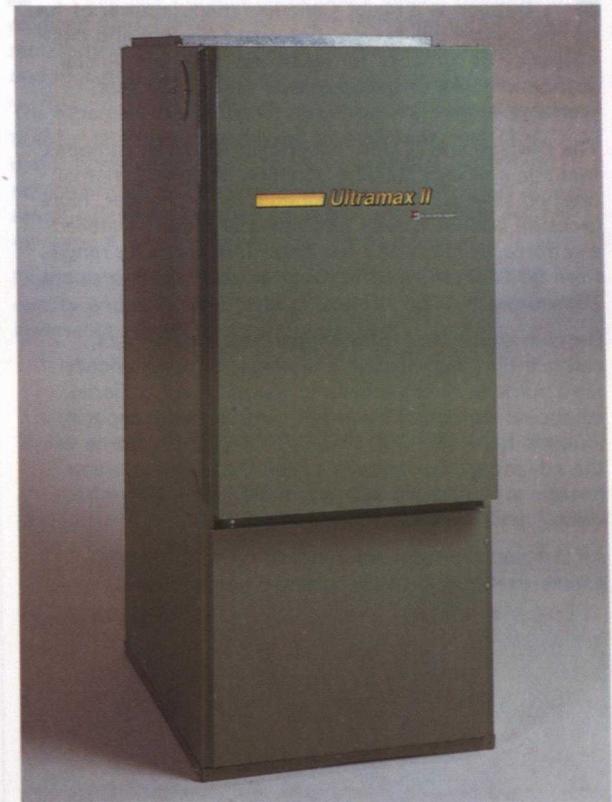
Quality is built into every Climate Master product. Each self-cleaning burner for example, is test-fired and every piece of custom equipment is test-run by quality control engineers before it leaves the Climate Master plant. The company places high priority on ensuring that its products are easy to service and therefore have lower operating costs. As a result, large products have many easily removable panels, colour coded and labelled wiring and terminal strips, and small equipment has slide-out fans and burner assemblies.

**DMO Industries**  
 1969 Leslie Street  
 Don Mills, Ontario  
 Canada M3B 2M3  
 Tel: (416) 443-1483  
 Fax: (416) 443-9137

DMO Industries is a major manufacturer of cooling products and of gas, oil, electric and solid fuel combination furnaces sold in Canada and the United States.

The company has a complete line of heating equipment (more than 20 models) for residential and commercial use and sells exclusively through wholesale distributors in Canada and the U.S.

DMO was one of the first companies to develop and market high-efficiency condensing gas furnaces. The competitive advantages of the firm's products include reliability, efficiency, ease of installation and superior quality construction. DMO concentrates on product quality and serviceability. As a result, the company's models generate from 40 000 to 120 000 Btu/h and deliver more than 95 per cent efficiency.



DMO Industries offers a broad selection of reliable, high-efficiency condensing gas and oil burning furnaces for the residential and commercial markets.

**Dettson Inc.**

550, boulevard Industriel  
 Sherbrooke, Québec  
 Canada J1J 3Y1

Tel: (819) 567-8493

Fax: (819) 822-4227

■ Dettson is a major Canadian manufacturer of fuel oil and natural gas boilers, hot water heaters and high-efficiency oil furnaces for residential and commercial applications. All Dettson products carry a 10-year warranty.

The Dettson line of new generation warm air furnaces features stainless steel combustion chamber, enamel finished steel panels, redesigned heat exchanger, high-pressure burner, blower fan, optional factory-installed electronic air filters and full insulation. Capacity ranges from 50 000 to 140 000 Btu/h at up to 88.8 per cent efficiency.

Dettson gas boilers offer copper heat exchangers, ceramic fibre combustion chambers, atmospherically fired burners, direct access to the pilot and optional electronic surveillance system. Output boiler capacity extends from 189 000 to 1 375 000 Btu/h. Some of the advantageous features of the Dettson hot water heaters are insulated stainless steel boiler, high efficiency, and minimum maintenance.

All Dettson products are installed by specialists to ensure that they provide optimum performance.

**Ductlok**

431 Millen Road  
 Stoney Creek, Ontario  
 Canada L8E 2P1

Tel: (416) 664-7814

(800) 447-1024

Fax: (416) 664-1110

■ DUCTLOK, a four-bolt duct connection system, is a fast economical method of joining square and rectangular duct sections together. The system produces effectively sealed rigid joints with excellent appearance.

The DUCTLOK System consists of a rigid flange, stamped corners, cleat and gasket. The 'J' or 'E' rigidity classification, galvanized steel flange is a hollow, roll-formed flange section that contains a high-quality integral sealant. The DUCTLOK galvanized steel corner contributes strength and rigidity to the duct connection. It can be fastened with standard or carriage-style nut and bolt assemblies. Available in a choice of 15 cm (6 in.) pieces or 3 m (10 ft.) lengths, the roll-formed galvanized steel DUCTLOK cleat snaps or drives on. It remains tight because of the unique flange/cleat design. The butyl rubber DUCTLOK gasket is a preformed sealant with excellent adhesion and no chemical bleed at elevated temperatures.

The easy-to-install DUCTLOK System produces leak-free joints that meet SMACNA/ASHRAE standards.



Fast, efficient and easy-to-install, the reliable DUCTLOK duct connector system saves time and money.

**Eclat Air Exchange Systems Inc.**

1526 - 16th Street West  
 Saskatoon, Saskatchewan  
 Canada S7M 1G1

Tel: (306) 652-5232

Fax: (306) 652-5236

■ ECLAT manufactures high-efficiency air exchangers and forced-air hydronic heating systems for the residential market. In hydronic heating systems, the forced air passes the room air over copper coils that are filled with hot liquid, thus eliminating the emission of carbon monoxide that may be generated in traditional forced-air home heating.

The ECLAT 220 is a self-contained air-to-air heat exchanger with a balanced air flow ratio of exhaust and intake air and automatic defrost. The unit has a solid state speed control with variable ventilation rates of up to 260 CFM. It controls indoor air quality by continuous exchange of indoor-outdoor air and recovers the heat from exhausted, polluted air efficiently and quietly. The ECLAT 40 heats in winter, air conditions in summer and circulates the air inside the house all year round. This high-efficiency, hydronic unit has a copper coil heating system with minimum output of 40 000 Btu/h and can be used with electric, oil or gas hot water supply.

ECLAT also supplies hydronic boilers that generate sufficient heat for all domestic needs including the jacuzzi and pool.

**F.P. Industries Inc.**  
 20, chemin Windsor  
 Bromptonville, Québec  
 Canada JOB 1H0  
 Tel: (819) 846-2771  
 Fax: (819) 846-3707

■ F.P. Industries is a well-known Canadian manufacturer of a comprehensive range of residential, commercial and industrial boilers designed for superior efficiency and optimum performance.

The FPO line of oil-fired hot water boilers generate from 86 000 to 345 000 Btu at a combustion efficiency of 87 per cent. The W2 wood- and coal-fired boiler, offered by F.P. Industries in a range of models that supply 80 000, 120 000 or 200 000 Btu, is equipped with a domestic hot water coil for extra savings.

In addition to boilers, F.P. Industries produces the most complete line of oil, gas and dual fuel burners in Canada ranging in capacity from 65 000 to 25 000 000 Btu.



The RAPFAST heat exchanger produces from 8 to 60 USgpm of hot water for commercial and industrial applications.

**GSW Water Products Company**  
 595 Hill Street West  
 Fergus, Ontario  
 Canada N1M 2X1  
 Tel: (519) 843-1510  
 Fax: (519) 843-6121

Oil-fired unit heaters, heat exchangers, condensation and pre-heating units are other F.P. Industries products noted for their reliability, performance and minimum service requirements.

Especially popular in Canada and the United States, all F.P. Industries' products are covered by a 10-year warranty.



The FPO high-efficiency oil-fired residential and commercial boiler, available in capacities up to 345 000 Btu is designed for quick and easy service.

**Fiberglas Canada Inc.**  
 4100 Yonge Street  
 Willowdale, Ontario  
 Canada M2P 2B6  
 Tel: (416) 733-1600  
 Fax: (416) 226-4159

■ Fiberglas Canada is Canada's largest manufacturer of glass fibre insulation products designed to meet the requirements of a wide range of residential, commercial and industrial applications.

The Fiberglas Insulation Group produces thermal insulation for all types of buildings as well as for vehicles, major home appliances, furnaces and air conditioning equipment. The company's comprehensive product range includes insulation for piping, tanks, cold storage equipment and air ducts.

Fiberglas products are recognized for their excellent quality and reliability, both on the Canadian market and internationally.

**Franklin Electric of Canada Ltd.**

Highway 81 North  
 Strathroy, Ontario  
 Canada N7G 3J3  
 Tel: (519) 245-3220  
 Fax: (519) 245-3224

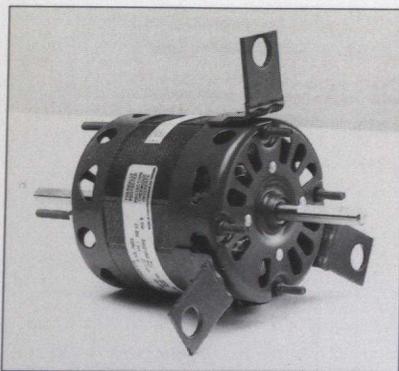
Established in 1964, Franklin Electric manufactures AC induction motors for both the domestic and export markets.

The company is strategically located near major arterial highways leading to the U.S./Canadian border, with ready access to air and ocean freight terminals. The modern 6 968 m<sup>2</sup> (75 000 sq. ft.) plant of Franklin Electric is equipped for fully integrated manufacturing, with three distinct motor lines used in recreation, domestic water supply, heating, ventilating and air conditioning units, and power tools.

The company's product line includes shaded pole and PSC motors from 1/250 to 1/2 Bhp; split phase and capacitor start motors from 1/4 to 3 Bhp; and deep-well submersible motors from 1/3 to 1 1/2 Bhp.

Franklin Electric is known for the outstanding reliability of its motors. Among the company's stringent quality controls is a statistical process-control program that requires the machine operators at its plant to continuously monitor components produced by their equipment, to ensure that all finished products meet the very demanding quality standards.

The Franklin Electric engineering staff is available to customize designs to meet specific customer requirements.



The AC induction motor is well known for its reliability and long service life.

**FRENGER Canada Inc.**

10410 - 172 Street  
 Edmonton, Alberta  
 Canada T5S 1H1  
 Tel: (403) 489-3338  
 Fax: (403) 484-4490

FRENGER specializes in hydronic radiant heating panels which create a cost-effective radiant heating system and produce a comfortable, draft-free environment with gentle, constant heat. By heating only people and objects, and not large volumes of cold air, heating ventilation and air conditioning systems can be sized smaller for extra energy savings. The FRENGER systems utilize hot water heat sources and can be designed for a wide range of heat outputs.

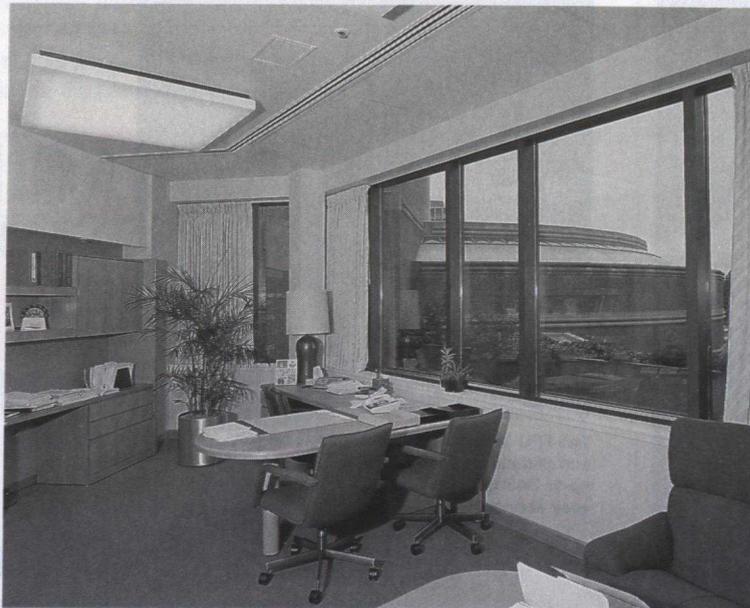
FRENGER uses only the finest materials to ensure maximum radiant effect. Designed by efficiency experts, FRENGER products incorporate the latest technological advancement in energy management and aesthetics.

The FRENGER radiant heating products range from complete modular integrated systems incorporating acoustic

panels and fluorescent lighting to in-fill units for standard T-bar ceilings. Wall or ceiling mounted radiant panels are available in virtually every size and configuration to achieve maximum energy savings and meet aesthetic requirements.

The damage-resistant, maintenance-free FRENGER panels can be blended in with walls to form a hidden source of efficient heat, integrated into an overall design or highlighted as a design feature.

FRENGER offers design assistance to its customers throughout North America, to ensure that they derive maximum benefit from this outstanding heating product.



Frenger designs radiant heating systems using hydronic radiant heating panels.

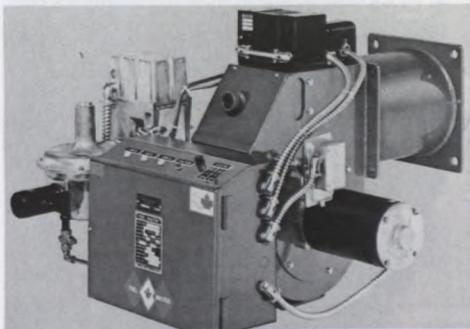
**Fuel-Guard Division**  
**Pendell Boiler Limited**  
 50 Bartlett Avenue  
 Toronto, Ontario  
 Canada M6H 3E6  
 Tel: (416) 536-2191  
 Fax: (416) 536-3232

■ The well-known FUEL-GUARD burners, available in capacities ranging from 400 000 to 17 million Btu, are the only product manufactured by Pendell.

Based on Pendell's more than 65 years experience in manufacturing boilers and matching firing equipment, the FUEL-GUARD burners reflect imaginative technological development, precision engineering and practical design. Today, FUEL-GUARD burners set the standard in North America for efficiency, low NO<sub>x</sub> production, reliability, and quality of construction.

Some of the outstanding features that identify the FUEL-GUARD burner are: fully welded, heavy-gauge steel body; customized design to meet specific requirements; colour-coded diagrammatically assembled electric circuitry; and easy installation and maintenance. The FUEL-GUARD burner is versatile, easily adapted to all types of fire box, scotch marine, cast iron, water tube and packaged boilers; indirect fired air heaters; incinerators; ovens; and other commercial and industrial applications.

No costly tinkering at installation with unfinished or strange equipment, as each FUEL-GUARD burner is completely assembled and test-fired in the factory to minimize start-up problems for the installer. Components are easily recognizable and available throughout North America. FUEL-GUARD is U.L. listed.



Innovative and super efficient, FUEL-GUARD burners are manufactured with capacities ranging up to 17 million Btu.

**GSW Water Products Company**  
 599 Hill Street West  
 Fergus, Ontario  
 Canada N1M 2X1  
 Tel: (519) 843-1610  
 Fax: (519) 843-6121

■ The leading Canadian manufacturer of water heaters, pumps and tanks, GSW is 'North American competitive' in terms of product quality, price, selection and customer service.

To satisfy market needs in Canada and the U.S., GSW has developed a superior line of John Wood water heaters for the residential market. These high-quality, cost-effective units are designed to meet consumer preferences and rigid U.S. energy efficiency and safety standards and incorporate the latest technological improvements.

Warrantied for 5 and 10 years, the John Wood electric water heaters feature tanks that are prewelded using unique laser tracking technology, then glass-lined for total corrosion protection; super thick foam insulation; TURBULATOR to prevent harmful scale build-up; double anodic protection in 10-year models; and quality, thermostatically controlled elements of incolloy design (10-year models).

The John Wood gas water heaters have tank construction, foam insulation and TURBULATOR similar to the electric units. In addition they are equipped with a long-life cast iron burner, energy-efficient pilot lights, external heat control with an economy vacation setting and thermoplastic-lined nipples to protect the tank against corrosion.

The John Wood oil-fired water heaters offer such advantageous features as a one-piece ceramic fibre combustion chamber designed to eliminate hot spots; completely glass-lined steel storage tank; replaceable extra thick magnesium rod; removable flue baffle designed for maximum heat transfer; thick fibreglass and rock wool insulation; and immersion-type temperature control.

The GSW has expanded its ferrous pump line of sump pumps and other models for domestic water applications with Thermax pumps. Based on an impact and corrosion-resistant polymer, Thermax pumps represent a major advance in design and technology.

GSW markets its products through dedicated professional wholesalers and contractors across North America.



GSW Products manufactures cost-effective, dependable water heaters for a wide variety of applications.

**Giant Factories Inc.**  
 40, rue Lesage  
 Montréal, Québec  
 Canada H1B 5H3  
 Tel: (514) 645-8893  
 Fax: (514) 640-0969

■ A major Canadian manufacturer of heating products for more than 40 years, Giant specializes in the design and production of electric and gas water heaters as well as tubular electric elements for residential and commercial uses.

The Giant residential electric water heaters range from the compact 25-L (6-gal.) tank, to the large capacity 450-L (100-gal.) unit. Every Giant water heater offers superior efficiency, convenient thermostat control, quiet automatic operation and long service life.

Some of the outstanding features of the Giant electric water heater are a fully insulated, glass-lined steel tank that effectively resists chemical attack; completely immersed resistor-style heating elements; anodic bar to protect against galvanic corrosion; and breaker switch to prevent over-heating.

The Giant domestic gas-fired water heaters ranging up to 225-L (60-gal.) in capacity, are engineered with fully regulated gas control to ensure safety and maximum efficiency.

The Giant commercial electric water heaters available in capacities of up to 450-L (100-gal.) are designed for apartment buildings, office towers, shopping malls and similar applications that demand high efficiency at low cost. The commercial unit features a high silica glass-lined steel tank with thick exterior insulation; knockouts of different sizes for maximum convenience; extra large F-type junction box for easy access; a reliable high-limit control to prevent overheating; and surface-mounted thermostat to each bank of three immersed elements.



Residential and commercial Giant water heaters are economical, super efficient and reliable.

**Hamlet & Garneau Inc.**  
 933, rue Michelin  
 Laval, Québec  
 Canada H7L 9Z7  
 Tel: (514) 629-1776  
 Fax: (514) 629-1197

■ Hamlet & Garneau manufactures pre-pressurized hydropneumatic systems in accordance with the ASME specifications for commercial and industrial applications.

The Expanflex 'AL' Series, from Hamlet & Garneau, ranges in tank size from 16 L (3.5 gal.) to 6 023 L (1 325 gal.) and offers a choice of replaceable butyl or EPDM bladders. These tanks are built without flow restrictions and have a bottom connection to eliminate sludge accumulation that may cause bladder failures. The Expanflex 'AL' tanks are available with stainless steel metallic wetted parts.

The more economical Expanflex 'OT' Series is equipped with a fixed SBR diaphragm, a top centre connection, and ranges in size from 36 to 818 L (8 to 180 gal.). The 'OT' Series can be installed horizontally, vertically, or suspended horizontally.



Hamlet & Garneau manufactures a variety of ASME expansion tanks suitable for heating, cooling and potable water as well as hydronic specialty accessories.

Liberty Boilers and Mechanical Services  
 3 Copeland Square  
 3202 St. Avenue South  
 Brantford, Ontario  
 Canada N3P 1K5  
 Canada T1T 2Z4  
 Tel: (519) 753-9111  
 Fax: (519) 758-5294

The Expanflex 'AFX' Series is a potable water system designed exclusively by Hamlet & Garneau for commercial, agricultural and industrial use. Offered in tank sizes ranging from 190 L (42 gal.) to 6 023 L (1 325 gal.), the Expanflex AFX system has 100 per cent non-metallic wetted parts made of FDA-approved materials. The 'AFX' Series has a replaceable butyl bladder and full-flow PVC connection.

Hamlet & Garneau also produces air separators, purger-type separators and glycol make-up packages.

Well-known for its engineering skills, Hamlet & Garneau is Canada's leading custom manufacturer of pre-pressurized hydropneumatic systems.



**Hoyme Manufacturing Inc.**

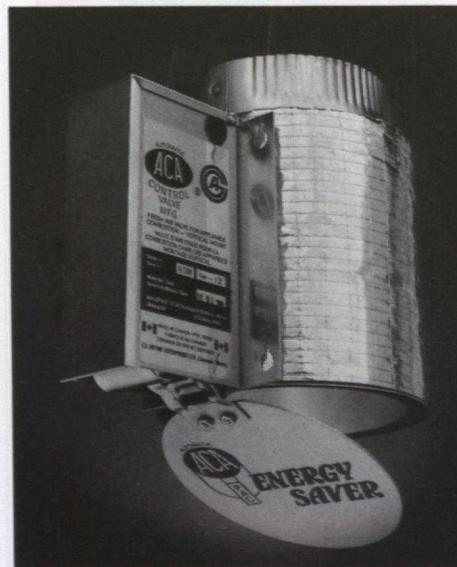
P.O. Box 1485  
 Camrose, Alberta  
 Canada T4V 1X4  
 Tel: (403) 672-6553  
 Fax: (403) 672-2997

Hoyme manufactures automatic motorized air dampers (ACA PAC) designed to give complete control of replacement and combustion air in oil- and gas-fired boilers and furnaces for residential and commercial uses.

The Energy Saver ACA PCA air-control dampers from Hoyme meet building code requirements and are available in a choice of insulated and non-insulated models in sizes of up to 40 cm (16 in.) Combustion air dampers for one or two appliances are supplied with protective screen up to 23 cm (9 in.) in size.

Hoyme produces a wide selection of accessories including adaptors that allow connection to other voltages, diffusers for combustion air and fireplace chimney power caps.

All Hoyme products are exceptionally reliable and reflect the company's commitment to quality.



The automatic motorized Energy Saver air-control dampers are designed for complete air control in boilers and furnaces.

**ISKO Heat Exchangers Ltd.**

2700, rue de Miniac  
 Saint-Laurent, Québec  
 Canada H4S 1K9  
 Tel: (514) 337-5192  
 Fax: (514) 337-5482

Recognized for its excellent design and engineering capabilities, ISKO is one of Canada's best-known custom manufacturers of heat exchangers.

ISKO designs, machines and assembles heat exchangers for a wide range of cooling and heat-recovery applications in arenas, food processing systems, breweries, petrochemical plants, oil refineries and other industries.

The company produces heat exchangers up to 1.2 m (4 ft.) in diameter and 12.2 m (40 ft.) in length, in a choice of corrosion-resistant metals including stainless steel, carbon steel, copper, nickel, titanium and zirconium.

ISKO engineers create heat exchangers with straight tubes, U-tubes, fixed and removable tube bundles; shell and tube type units; and other designs that best fit specific applications and meet ASME, TEMA, CSA, API and other relevant code requirements.



ISKO custom manufactures heat exchangers from such materials as carbon steel and copper for tough industrial applications.

**Kerr Controls Ltd.**  
 P.O. Box 1500  
 Truro, Nova Scotia  
 Canada B2N 5V2  
 Tel: (902) 895-9281  
 Fax: (902) 893-4942

■ Kerr Controls markets a complete line of warm air and hot water heating equipment fired by oil and solid fuels. The Kerr products offer excellent quality and reliability because they are manufactured to the company's own stringent performance specifications.

The Kerr Scotsman is one of the most efficient wood-burning furnaces made in North America today. It is an air-tight combustion chamber that actually carbonizes the wood when burning. Pre-heated air enters the rear of the primary combustion chamber, stimulating the combustion of unburned gases. This feature maximizes efficiency and helps retard creosoting. The Scotsman generates up to 140 000 Btu/h and can be used alone or together with an existing oil furnace. The Mini Scotsman offers the same outstanding features in a more compact design capable of producing up to 80 000 Btu/h.

The Kerr Scotty is a completely packaged, compact wood furnace that features an air-tight combustion chamber with a thermostatically controlled air-feeder damper and front-end breaching to produce an energy-efficient, cigar-style burn. It generates up to 70 000 Btu/h. The Kerr Scotty SS is a mini wood furnace designed to be installed as an add-on to an existing oil furnace system.

The Kerr Jetstream is an air-tight, wood-burning boiler that uses an innovative combustion process to generate the maximum heat from wood, and then stores it for later use within a period of four days. Even tars (creosote) and gases are consumed in a way that is clean and virtually 100 per cent complete. With Jetstream, the customer maximizes heat production while minimizing fuel consumption for a truly economical home heating system.

The Kerr TW-2000 wood-fired boiler is a CAD-produced self-cleaning heat exchanger that produces a steady output of 110 000 Btu/h and offers the blow-down safety feature and optional tankless water heater coil.

Kerr is one of the best known names in heating on Canada's east coast and throughout Maine and the New England states.



The Scotty is one of the most efficient compact wood-burning furnaces on the North American market.

**Liberty Boilers and Mechanical Services Inc.**  
 3302 3rd Avenue South  
 Lethbridge, Alberta  
 Canada T1J 3Z4  
 Tel: (403) 327-3921  
 Fax: (403) 328-5794

■ Liberty Boilers is a major Canadian manufacturer of boilers, pressure vessels and fittings.

The company's wide range of products includes immersion-fired steam and hot water package boilers from 10 to 700 hp designed for high- and low-pressure service; immersion-fired glycol boilers from 10 to 700 hp in capacity; large volume hot water heaters; steam and hot-water package dual fuel boilers; fire-box boilers from 10 to 130 hp suitable for coal, solid fuel and gas firing; and ASME Code hot water storage tanks, blowdown tanks and custom-pressure vessels.

Liberty has a complete mechanical contracting service to look after steam fitting, gas fitting, plumbing, controls, heating, electrical work and welding.

**Miura Boiler Co. Ltd.**  
 8 Copernicus Boulevard  
 Brantford, Ontario  
 Canada N3P 1K5  
 Tel: (519) 758-8111  
 Fax: (519) 758-5294

■ The computer-designed Miura EX-Series of boilers achieves full steam within five minutes and operates at over 85 per cent efficiency because of its unique tube network, once-through flow and low water content.

Available in capacities ranging from 260 000 to 9 700 000 Btu/h, Miura EX boilers generate process steam at a pressure rating of up to 1 034 kPa (150 psi), to meet commercial and industrial application requirements.

The Miura boiler consists of upper and lower headers and a group of vertically mounted tubes wedged at both ends. The combusted gases leave the combustion chamber and are injected between tubes at increased velocities to significantly enhance heat transfer. In the EX Series, Miura applied its patented tube surfacing technology to eliminate the 'air film' effect on tubes and thereby increase efficiency and fuel savings.

Miura boilers are whisper-quiet and cool-running with fully automatic push-button operation. Many extra fail-safe devices are standard equipment.

With its new manufacturing plant in Brantford, Ontario, Miura Boiler will be aggressive in meeting future market needs.



Available in capacities of up to 9 700 000 Btu/h, the Miura EX Series of boilers achieve full steam within five minutes.

**Newmac Mfg. Inc.**  
 415 Norwich Avenue  
 Woodstock, Ontario  
 Canada N4S 7Y5  
 Tel: (519) 539-6147  
 Fax: (519) 539-0048

■ Newmac manufactures a complete family of energy-efficient solid-fuel and multi-fuel forced-air combination furnaces. All models are made of high-strength steel and incorporate the latest proven technology. They meet UL, CSA and ETLM specifications and exceed 80 per cent efficiency.

The Newmac wood and oil/gas combination furnaces switch automatically from wood to oil or gas and have separate combustion chambers, separate thermostats and a large fire door.

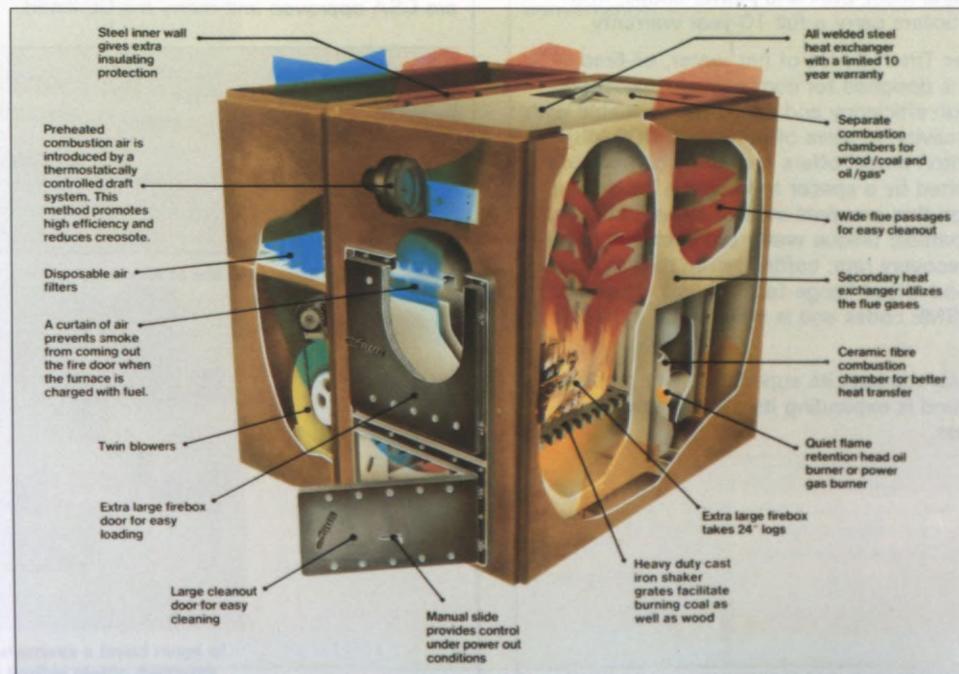
The wood/coal and oil/gas combination units in the Newmac line generate up to 170 000 Btu, depending on model, and offer such features as shaker grate, large firebox and oversized fire door.

The economical Newmac wood and wood/coal furnaces provide excellent burn control, reliability and efficiency. Their heat output can be substantially boosted with a choice of add-on electrical packages.

Newmac offers free pre-purchasing consulting services to ensure evaluation of the best, most effective furnace to meet the customer's needs.

The Company also supports any sale with an extensive network of highly qualified, field-service personnel.

The Newmac solid fuel furnace.



**New Yorker Boiler Co. Ltd.**

P.O. Box 1850  
 Industrial Park  
 Sussex, New Brunswick  
 Canada E0E 1P0  
 Tel: (506) 433-5185  
 Fax: (506) 433-5875

Based on research, development, innovation and customer needs, New Yorker manufactures wood-, oil- and electric-fired boilers that have set the standard in many demanding residential and commercial heating applications. At its modern up-to-date facilities, New Yorker produces boilers ranging from 75 000 to 1 000 000 Btu in size.

The New Yorker Caprice Series of oil-fired burners offers efficiencies of up to 89.3 per cent and outputs ranging from 83 000 to 339 000 Btu/h. Some of the outstanding features of the high-efficiency Caprice models include stainless steel chamber liner; raised coil flange that eliminates leak damage on boiler shell; unique design that reduces jacket and standby losses; and tube sheet rust protection. The boilers are certified for combustible floors and meet CSA and ASME codes. The Caprice Series boilers carry a full 10-year warranty.

The New Yorker Triton Series of hot water, oil-fired heating boilers is designed for commercial applications that demand high efficiency and economy. Available with or without coil cavity, in sizes of up to 202 000 MBH, the dry base Triton model offers a ceramic combustion chamber supported by a spacer to keep the base cool; flue cover design that prevents stud breakage; efficient stainless steel baffles; unique water baffle on return port that increases recovery rate; baffled return that eliminates short cycling; and raised flange tankless coil. The Triton Series meets ASME codes and is covered by a 20-year warranty.

New Yorker Boiler markets its superior-quality products across Canada and is expanding its dealer network in the United States.

**Ouellet Canada Inc.**

180, avenue 3<sup>e</sup>  
 Ville de L'Islet, Québec  
 Canada G0R 2C0  
 Tel: (418) 247-3947  
 Fax: (418) 247-7801

Ouellet Canada is a rapidly growing, Canadian-owned manufacturer of electric space heating products for residential, commercial and light industrial applications. Innovative design, stringent quality controls in production and superior service are the key to Ouellet's success in North America.

The Ouellet product line includes natural convection units (up to 2 500 W) such as electric baseboard heaters, patio door baseboard heaters and heavy-duty baseboard heaters. In its forced flow fan models (up to 30 kW), Ouellet offers residential and commercial wall heaters, bathroom heaters, floor drop-in heaters, kick-space heaters, unit heaters and portable construction heaters.

Available in beige, white or light grey, all Ouellet heaters are CSA approved and many are UL listed.



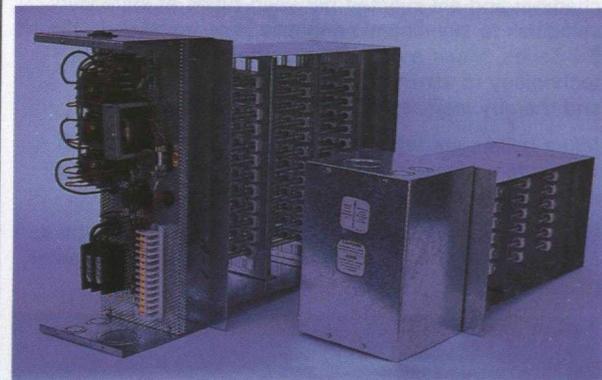
Ouellet manufactures a full line of residential electric heaters.

**P.M. Wright Ltd.**

1300, boulevard Jules Poitras  
 Montréal, Québec  
 Canada H4N 1X8  
 Tel: (514) 337-3331  
 Fax: (514) 337-4820

For the past 60 years, P.M. Wright has specialized in the manufacture of electrical heaters and heat-recovery equipment. Today, the company enjoys a well-earned reputation throughout North America for the excellence of its products in terms of design, construction and performance.

P.M. Wright produces a variety of residential electric coil heaters and heat pumps as well as a wide selection of heat-recovery units and heaters for commercial and industrial applications. In addition to its standard product line, the company custom designs and engineers products to meet specific industrial requirements.



P.M. Wright coil heaters are built for reliability.

**Peninsula Fittings Ltd.**  
 221 Bunting Road  
 St. Catharines, Ontario  
 Canada L2M 3Y2  
 Tel: (416) 688-0552  
 Fax: (416) 688-3146

■ A major Canadian sheet metal fabricator for the heating, ventilation and air conditioning industry, Peninsula is recognized for its dependable high-quality products and full warranty.

Peninsula manufactures a full range of galvanized ductwork, including pipe, fittings and elbows for residential and commercial heating and air conditioning applications. Specifically for the residential market, Peninsula



Peninsula manufactures a broad range of galvanized and flexible plastic ductwork.

also produces a broad range of aluminum pipe, elbows and specialty items including flexible duct in vinyl, poly and aluminum.

The company produces dryer vent and other exhaust kits under the Peninsula name and private labels.

**Powrmatic of Canada Ltd.**  
 709, rue Leveille  
 Terrebonne, Québec  
 Canada J6W 1Z9  
 Tel: (514) 471-6691  
 Fax: (514) 471-7442

■ The Powrmatic oil-fired unit heaters designed for industrial and commercial requirements offer exceptional performance and reliability at low cost. Quick and easy to install, completely factory-assembled and pre-wired the Powrmatic heaters generate from 86 000 to 181 000 Btu/h. Each model is controlled by an automatic thermostat to prevent over-heating or fuel waste.

The compact, lightweight, high-pressure oil burner from Powrmatic features a rugged, pressed steel housing; heavy-gauge steel burner tube; cast steel and cone; delayed oil valve; and reliable motor and high-voltage transformer.

The Powrmatic heat exchanger is a high-efficiency unit with lined combustion chamber, 14-gauge steel housing and many other features that increase its economy and convenience.

**RAB Dedesco Ltd.**  
106 Schneider Road  
Kanata, Ontario  
Canada K2K 1Y2

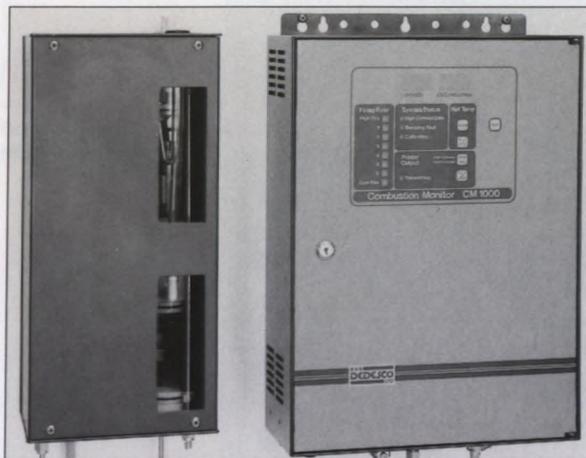
Tel: (613) 592-3026  
Fax: (613) 592-3090

RAB Dedesco manufactures the Furnace Efficiency Meter, a portable electronic combustion analyzer designed to measure various flue gas parameters in oil- and gas-fired residential, commercial and industrial furnaces and boilers. Recognized for their built-in reliability, the five models of the microprocessor-based Furnace Efficiency Meter calculate the furnace efficiency and excess air, and measure draft, net stack temperature,  $O_2$ ,  $CO_2$ , CO, CO/combustibles, nitric oxides ( $NO_x$ ) in various combinations, depending on model. The efficiency meters operate on either replaceable electrochemical measurement cells or permanent cells.



The Dedesco Model OC-II furnace efficiency meter is a convenient portable unit that accurately measures flue gas parameters in furnaces and boilers.

The Continuous Combustion Monitor from Dedesco measures the  $O_2$ , CO or CO/combustibles and net stack temperature on an ongoing basis. The monitor system incorporates a sample conditioning unit that cleans and conditions the flue gas sample before it enters the analyzer. Monitor options include  $NO$  ( $NO_x$ ) measurement capability, RS232 serial output for printer attachment and analog outputs. Units in operation on boilers and incinerators for more than two years have shown excellent accuracy and reliability.



The CM 1000 Combustion Monitor measures  $O_2$ , CO or CO/combustibles and net stack temperatures continuously.

**RUFFNECK Heaters**  
2827 - 18th Street Northeast  
Calgary, Alberta  
Canada T2E 7K5

Tel: (403) 291-5488  
Fax: (403) 291-7042

Recognized for its engineering expertise and its outstanding design capabilities, RUFFNECK specializes in the manufacture of heavy-duty industrial unit heaters. The first in the world to produce a liquid-filled, explosion-proof electric air heater in 1982, RUFFNECK today offers a full line of electric unit heaters for hazardous locations, and heat-exchanger unit heaters designed for the most demanding industrial applications.

The XL3 models of explosion-proof heaters are CSA certified for Class I, Group D and Class II, Groups E, F and G. They feature a large explosion-proof control box, built-in fuse, and a permanently sealed core. The heat-exchanger core is built of steel tubes with continuous integral rolled aluminum fins that are of extremely robust construction and resistant to corrosion by substances such as hydrogen sulphide. The XL3 heaters offer heating capacities ranging from 3 to 25 kW, in 208 V, 240 V, 480 V and 600 V, in 1 and 3 phase. Explosion-proof thermostats and mounting kits are also available.

The RUFFNECK FR and HP series of heat exchanger unit heaters generate from 5 000 to 1 500 000 Btu/h. The FR models are designed for steam service to 690 kPa (100 psi) and are engineered to undergo several freeze/thaw cycles without damage. The HP series has semi-circular headers that are most efficient at withstanding operating steam or liquid pressures of up to 1 724 kPa (250 psi).

The typical delivery time for RUFFNECK heaters is less than one week.

Tel: (519) 367-3727  
 Fax: (519) 367-3258



These explosion-proof RUFFNECK heaters are known for their reliability under the toughest operating conditions.

**Solcan Ltd.**  
 885 Sarnia Road  
 London, Ontario  
 Canada N6A 4B7  
 Tel: (519) 473-0501

Specialists in solar heating, Solcan manufactures solar collectors and thermosiphon solar packages, and designs and installs solar installations for commercial and domestic hot water applications.

Solcan domestic hot water systems, ranging in size from 2 to 80 solar panels, are available in a choice of open or closed systems with propylene glycol as well as drain-back, drain-down and thermosiphon designs.

The Solcan 2100 solar collector consists of low-iron tempered glass held in place with silicone adhesive and eight aluminum fins with integral copper tubes running between internal copper manifolds, all contained in pre-painted aluminum sheet frame, and insulated with isocyanurate foam board. The collector panels are available in 0.9 by 2.4 m (3 by 8 ft.), 1.2 by 2 m (4 by 6.5 ft.) and 1.2 by 2.4 m (4 by 8 ft.) sizes.



Solcan efficiently harnesses solar energy for industrial and commercial applications.

**Stelpro Limited**  
 49 Howden Road  
 Scarborough, Ontario  
 Canada M1R 3C9  
 Tel: (416) 750-4120  
 Fax: (416) 750-4679

■ Stelpro manufactures a broad range of high-efficiency electrical heating equipment for commercial and residential applications. The company's well-known, high-quality products include baseboard heaters, fan-driven heaters, floor-insert heaters and unit heaters.

The Designer Line of electric baseboard heaters available in watt ratings of up to 2 500 (208 V) offers flexibility; quiet operation; durability; safety, with no exposed wire or sharp edges; CSA approval and UL listing; full length, fail safe, linear thermal control; fast installation; and convenience.

The quiet, fan-driven heaters in the Stelpro residential line are internally reconnectable to operate at different wattages and voltages. The heater elements are enclosed for additional safety and a grille is packed with each unit for kick-space installation. Designed for larger areas, the rugged, durable, commercial fan-driven heaters are offered in a variety of styles and sizes including twin units in a single housing, tamper-proof units, and surface and ceiling-mounted heaters.

Stelpro's electric convection heaters range in size from 0.6 to 3 m (2 to 10 ft.) in length and suit the decor of any building or office. Specialty Stelpro heaters include portable construction heaters and heavy-duty unit heaters. The company also manufactures meter sockets, electrical enclosures and steel, stainless steel or aluminum custom-metal products and accessories.

**Sunfire Mfg.**  
 Division of Praxon Technologies Inc.  
 65 Union Street  
 Elmira, Ontario  
 Canada N3B 2Y3  
 Tel: (519) 669-8777  
 Fax: (519) 669-8022

■ Sunfire is the leading Canadian manufacturer of commercial and industrial furnaces and boilers designed specifically for the burning of waste oil. Based on the air-blast atomization principle, Sunfire products provide a safe, efficient method for disposing of waste oil with energy recovery.

The fully automatic, thermostatically controlled Sunfire waste oil furnaces, available in a choice of models and sizes, are all UL listed. The Sunfire furnaces have the capacity to efficiently heat up to 1 394 m<sup>2</sup> (15 000 sq. ft.). They offer such advantages as high-energy ignition,

air-foil flame retention head, no flame impingement or erosion, adjustable burning rate and a swing-out burner for easy maintenance and cleaning.

Known for their reliability and advanced technology, Sunfire products are much in demand throughout North America and Europe.



Sunfire furnaces provide a clean, efficient and environmentally safe method of converting used oil into an economical heating source.

**Talarico 132364 Canada Inc.**

2180, rue Leger  
Lasalle, Québec  
Canada H8N 2L8  
Tel: (514) 367-3727  
Fax: (514) 367-2259

■ Talarico specializes in the production of galvanized pipe, ducts and fittings for air distribution applications in the residential market. The company manufactures a full range of standard size HVAC sheet metal products for delivery in small or bulk quantities.

Talarico also produces the TALOC fastening machine, designed for dimple-locking sheet metal by cold pressing. Dimpling replaces rivets, staples, welds and seams. The TALOC system offers the advantage of fastening light gauge sheet metal from 0.25 to 1.3 mm (0.01 to 0.05 in.) in thickness more quickly.

The TALOC system is widely accepted for fastening elbows and fittings in the air-distribution industry. It works well with both unfinished and prefinished materials.



The TALOC fastening machine is ideal for fastening light-gauge sheet metal in the field.

**tekmar Control Systems Ltd.**

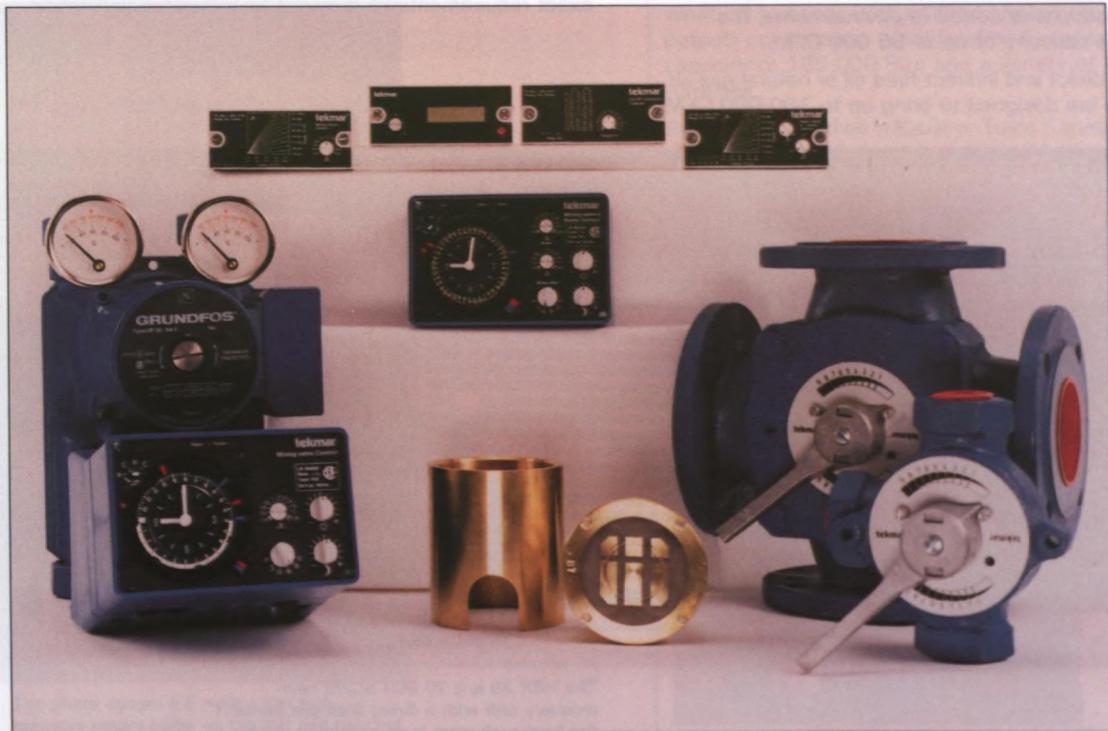
4611 - 23rd Street  
Vernon, British Columbia  
Canada V1T 4K7  
Tel: (604) 545-7749  
Fax: (604) 545-0650

■ A leader in the development of electronic controls for hydronic (warm water) heating, tekmar designs and manufactures some of the most advanced control systems for this heating technology in North America.

tekmar specializes in indoor/outdoor reset and staging controls that vary the system's supply water temperature based on the outdoor ambient temperature, as well as zone controls equipped with night setback thermostats. tekmar produces specific control systems for hydronic radiant floor heating, boiler reset of single- and

multi-stage boiler systems, snow/ice detection and melting, and constant-temperature industrial applications.

All tekmar electronic controls consist of a 'plug-together' case and socket designed to simplify installation and servicing. As supplied by tekmar, the control package includes sensors in appropriate cases, actuating motors and mixing valves for standard sizes of pipe, complete and ready for easy installation.



The tekmar product range includes the control unit for residential and commercial hydronic heating and mixing valves.

**Temprite Industries Limited**

6470 Viscount Road  
Mississauga, Ontario  
Canada, L4V 1H3

Tel: (416) 678-7780

Fax: (416) 678-9669

■ For more than 25 years, Temprite has been a pioneer in the design, engineering and production of heating and ventilation equipment for industrial applications. Today, the company manufactures catalytic and thermal incinerators, industrial process heating equipment, heat recovery systems and the XCELL™ heat exchanger.

The XCELL™ consists of modularized groups of channels, each of which is made up of an exhaust air duct and supply air duct. The duct spacing and the number of channels determine the efficiency and pressure drop through the cell. Constructed of aluminum or stainless steel for applications in corrosive environments, the XCELL™ has a capacity of up to 50 000 CFM.

The Temprite direct and indirect-fired oil or natural gas air-handling units are designed to bring up to 100 000 CFM

of preheated, clean, fresh air into the workplace. They are engineered for efficiency, reliability, economy and low maintenance.

With energy-saving efficiency, Temprite's thermal and catalytic incinerators effectively remove the contaminants from industrial gaseous emissions. The addition of one or more XCELL™ heat exchangers enables the heat generated by oxidation of the contaminants to be recovered and recycled.

Every Temprite installation is customized to meet the exact requirements of the specific industrial application.



The HRX 25 is a 20 000 SCFM heat-recovery unit with a direct-fired gas burner; the heat exchanger is an aluminum plate type design that recovers 68 per cent of the exhaust air energy for preheating the incoming fresh air.

**Thermofilm Corporation**

8241 Keele Street, Unit 8  
Concord, Ontario  
Canada L4K 1Z5

Tel: (416) 669-4166

Fax: (416) 665-7960

■ Thermofilm manufactures non-metallic electric panel heating elements, based on innovative polymer technology.

The Thermofilm elements contain no wires or metal resistors. Instead, a unique mixture of graphite and carbon, utilizing polytetrafluorethylene as binder, is sintered into special glass cloth. Tinned copper contact tapes are applied along each edge of the cloth strip for application of supply voltage. The element is usually bonded between layers of a high-dielectric polyester film. The result is a unique thin heating film suitable for a wide range of applications.

The Thermofilm element offers such unique advantages as uniform heat output over its entire surface; performance that is not affected by cuts, puncture or tears; flexibility; and safety for operation up to 200°C (392°F). Thermofilm elements, available in sizes up to 99 cm (39 in.) wide and 229 m (750 ft.) long, can be used with any AC or DC power source up to 600 V.

Thermofilm elements are used in space heating, air heaters, heat tracing in industrial processes, dryers, heat presses, laminators, greenhouses, ice and snow melting, as well as in a wide variety of consumer products.



The Thermofilm electric panel heating elements.

**Thermofire Boiler Inc.**  
 471 Garyray Drive, Unit #6  
 Weston, Ontario  
 Canada M9L 1P9  
 Tel: (416) 746-3265  
 Fax: (416) 740-6047

Thermofire designs and produces flexitube boilers that generate from 500 000 to 25 000 000 Btu with a combustion efficiency of 83 to 85 per cent. Engineered to operate on number two oil, natural gas, propane or sewer gas, the Thermofire boilers are specified for commercial and industrial heating and processing applications because of their built-in quality, superior reliability and competitive price worldwide.

Thermofire boilers are designed to be built on-site if required. This advantage saves substantial costs by eliminating the need to tear down and rebuild walls to

accommodate an assembled boiler. Thermofire will provide detailed instructions and supervise the installation of its build-in-place boiler, an essentially simple and uncomplicated job.

All Thermofire boilers carry a 20-year warranty on the pressure vessel parts against cracking caused by unequal or rapid expansion, typically referred to as thermal shock or stress cracking.



The photo shows a 6 million Btu high-pressure steam boiler on the left and two hot water boilers of 2.5 million Btu capacity each, on the right side.

**Trent Metals Limited**  
 P.O. Box 1088  
 Peterborough, Ontario  
 Canada K9J 7H4  
 Tel: (705) 743-4746  
 Fax: (705) 743-6301

At its modern, fully integrated production facilities, Trent manufactures an extensive line of high-efficiency oil, solid fuel, electric and combination-fueled warm air furnaces and accessories for the residential and commercial markets.

In oil-fired warm air furnaces, Trent offers the back-breach Low Boy units with multifired capacities of up to 140 000 Btu; front-breach models with up to 112 000 Btu output; and horizontal units with capacities up to 220 000 Btu. Trent manufactures wood/coal-burning furnaces; combination wood/electric furnaces with electric back-up of 15 kW, 20 kW and 25 kW; combination wood/oil furnaces with oil-fired capacity to 137 000 Btu output; combination wood/coal/oil furnaces with oil-fired capacity to 169 000 Btu; and a variety of electric furnaces.

Recognized for their reliability, Trent furnaces are especially popular in Canada and the northern parts of the United States.



Trent manufactures a broad selection of oil, gas, electric and solid fuel furnaces.

**Unifin International**  
 Universal Heat Exchangers Inc.  
 4, Place du Commerce, Suite 540  
 Ile des Soeurs, Verdun, Québec  
 Canada H3E 1E6  
 Tel: (514) 765-0372  
 Fax: (514) 765-3843

■ Unifin International is a leading Canadian designer and manufacturer of a wide range of specialized heat-transfer equipment and systems for the pulp and paper, petrochemical, nuclear and other processing industries.

The majority of Unifin products are based on integral finned tubing that offers an enlarged surface area and therefore better heat transfer. Unifin produces this tubing from one piece of copper, aluminum or bi-metal from which the fins are extruded or formed by means of rotary dies under extreme pressure. Other types of finned tubing produced by Unifin include W/H copper fin tubing for water heating and Spirofin tubing, recommended when cost is a prime factor.

Unifin manufactures a complete line of heavy-duty steam coils designed to meet the exacting demands of industrial service. They feature integral fin tube in a wide range of materials and integral casing or separate frame construction. Coil designs include the general purpose straight tube, U-tube for high-steam pressures, tube within a tube, and specialty coils.

Unifin custom designs heat exchangers for a wide variety of industrial applications. Their service life is 30 to 40 years under normal operating conditions. The company also offers a series of heavy-duty unit heaters for industrial and commercial space heating.

**Unilux Manufacturing Co. Inc.**  
 140 Hanlan Road  
 Woodbridge, Ontario  
 Canada L4L 3P6  
 Tel: (416) 851-3981  
 Fax: (416) 851-3987

■ The fuel-efficient Unilux watertube boiler is designed for commercial and industrial process applications. Suitable for gas or oil firing, the boiler can be used to generate hot water, high-temperature hot water, low pressure and high-pressure steam.

The modern design Unilux boiler achieves thermal efficiencies of up to 85 per cent, using standard burner technology. The unit consists of a large-volume furnace of flexible tangent tube design, allowing water wall heat release within and positive flow through all boiler tubes, as each is exposed to radiant heat from the burner flame. Unilux boilers, available in capacities of up to

1 200 hp, can be assembled easily and efficiently at the job site, since no welding or rolling of the tubes is required.

Unilux also manufactures high-efficiency fan coil units designed for applications in apartment buildings, hotels and luxury condominiums. The Unilux product offers excellent heating and cooling with outstanding reliability.

The company offers vertical stack fan coils in a variety of models ranging in size from 250 to 1 200 CFM and horizontal fan coils from 300 to 1 300 CFM.



The vertical fan coils from Unilux offer economical heating and cooling.



The high-efficiency watertube Unilux boiler is available in capacities of up to 1 200 hp.

## Solid Fuel

**Viessmann Manufacturing Company Inc.**  
 115 Randall Drive  
 Waterloo, Ontario  
 Canada N2V 1C5  
 Tel: (519) 885-6300  
 Fax: (519) 885-0887

■ Viessmann assembles sectional cast-iron hot water heating boilers for residential and commercial applications, and builds burners, boiler control systems and control packages.

The VertiCell NT from Viessmann is a vertical, indirectly heated domestic hot water storage tank equipped with internal heat-exchanger coil to provide superior heat-recovery capacity. Available in sizes of up to 454 L (120 US gal.), VertiCell NT offers a stainless steel storage tank; large 3 cm (1 1/4 in.) diameter self-venting stainless steel heating coil; hard polyurethane foam insulation; and minimal temperature stratification.

The Vitola-biferral™ oil/gas boilers designed by Viessmann for hydronic heating systems, have an output range of

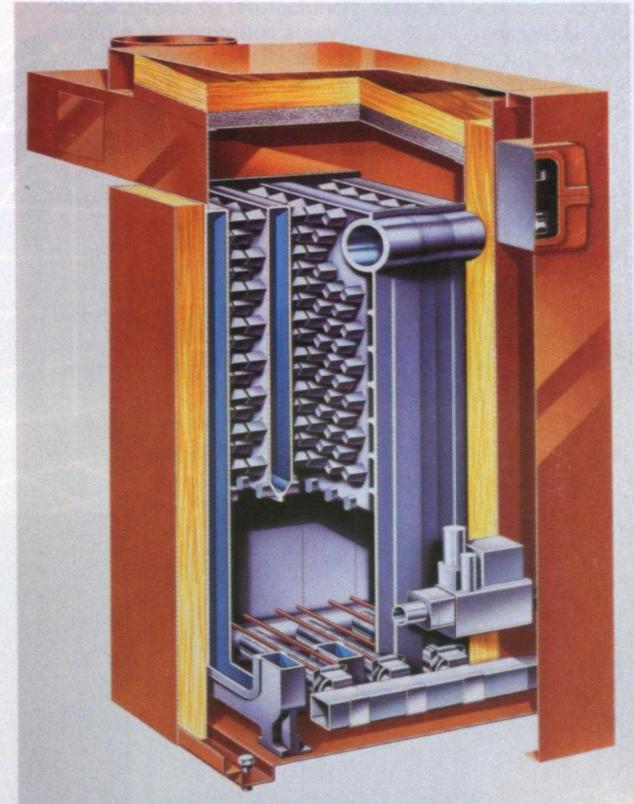
72 000 to 189 000 Btu/h. A true low-temperature boiler, the Vitola-biferral™ has a high efficiency, reduced NO<sub>x</sub> emissions, a steel/cast iron heat exchanger and a stainless steel slide-out combustion chamber. A.F.U.E. oil values range from 87.3 to 87.4 per cent.

The Viessmann atmospheric gas-fired cast-iron boiler, Atola-Renox, has an input range of 65 000 to 270 000 Btu/h and an efficiency of 85.8 to 87.4 per cent. For optimum heat transfer surfaces, the Atola-Renox has an all-sections wet-base, stainless steel burner tubes, and steel boiler base.

Viessmann is interested in expanding its dealer network across North America.



The Viessmann Vitola-biferral™ hot water boiler offers cast-iron/steel-sandwiched heating surfaces, stainless steel combustion chamber and a boiler for modulating water temperatures without low limit.



The Viessmann Atola-Renox™ sectional, all 'wet-base,' cast-iron hot water boiler is atmospheric gas-fired and available in sizes from 65 to 270 MBH at AFUE ratings of 84.6 to 85.5 per cent.

**Westcan Electric Heating Inc.**  
 5895 Whittle Road  
 Mississauga, Ontario  
 Canada L4Z 2H4  
 Tel: (416) 890-6006  
 Fax: (416) 890-6012

■ A major Canadian manufacturer of electrical heating equipment, Westcan designs and produces a broad range of heating systems for residential, commercial and industrial applications in the domestic and export markets.

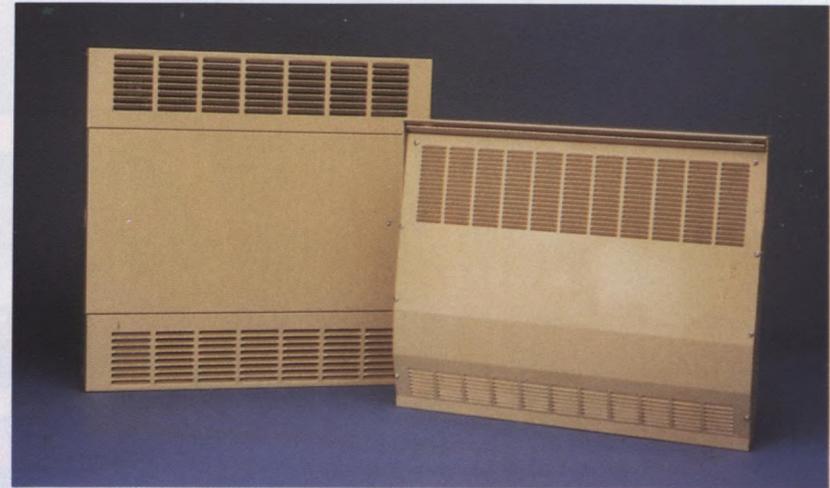
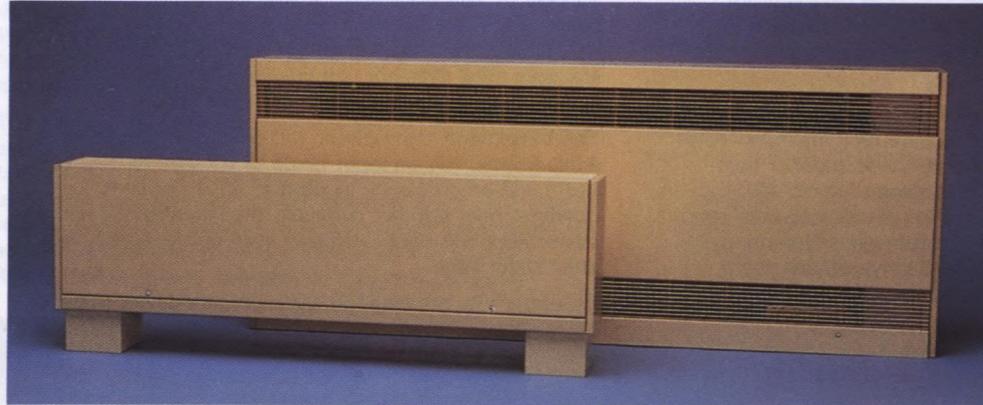
For the homebuilder, Westcan offers an excellent choice of high-quality baseboard heaters, wall insert heaters, forced air heaters, kickspace heaters and super-efficient, direct-drive warm air furnaces.

The Westcan commercial and industrial product line includes a wide range of heavy-duty forced air heaters, ceiling-mounted heaters, suspension heaters, down-blast heaters, agricultural heaters, architectural baseboard heaters, convection heaters, cabinet heaters and specialty industrial heaters.

Recognized for their excellence, Westcan thermostats and controls have the same built-in quality and reliability as the company's heaters.

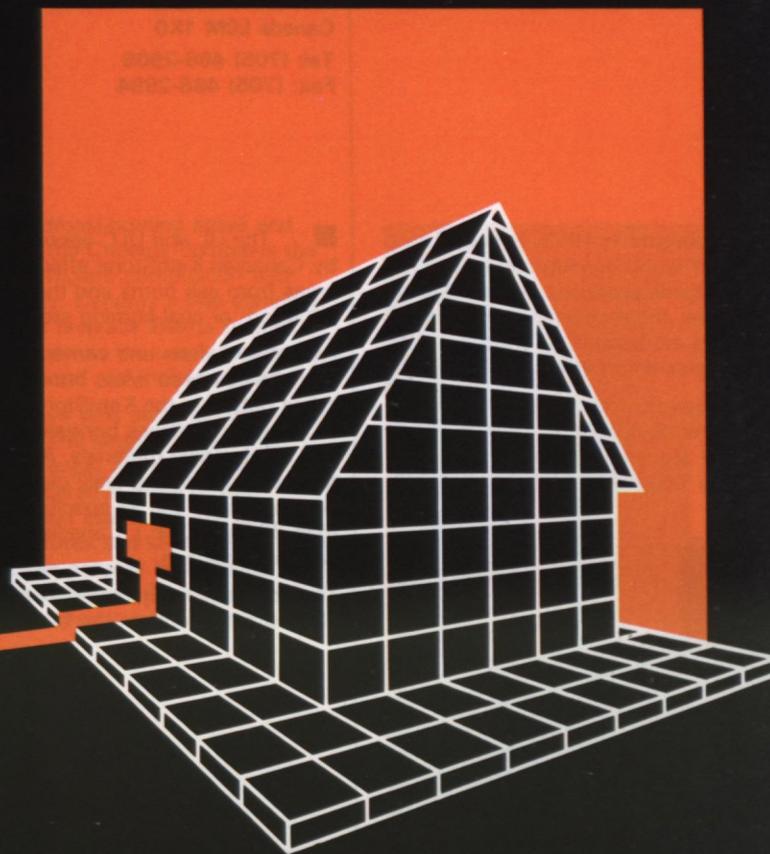
Unilux Manufacturing Co. Inc.  
 140 Huron Road  
 Woodbridge, Ontario  
 Canada L4L 3P6  
 Tel: (416) 851-3001  
 Fax: (416) 851-3087

Vissmann Manufacturing Company Inc.  
 118 Randal Drive  
 Waterloo, Ontario  
 Canada N2V 1C8  
 Tel: (519) 882-6300  
 Fax: (519) 882-0887



Westcan electrical heaters are the popular choice of homeowners.

# Solid Fuel



**APR Industries Ltd.**  
 1354 Waverley Street  
 Winnipeg, Manitoba  
 Canada R3T 0P5  
 Tel: (204) 452-9907  
 Fax: (204) 453-2747

■ APR Industries, incorporated in 1978, is one of the leading manufacturers of wood-burning stoves and heaters in Canada. The company produces nine models of stoves and heaters to meet the requirements of many customers. All APR products are beautifully crafted, engineered and finished for maximum efficiency.

As well, APR products are thermostatically controlled and have additional air blower devices to accelerate high-heating efficiency. APR stoves and heaters are designed to heat from 90 to 140 m<sup>2</sup> (1 000 to 1 500 sq. ft.).



The elegantly crafted KO21 Model 200 tile stove offers economy, high efficiency, full-view glass, heavy-duty body, fresh-air intake and many other desirable features.

**Canadian KemStone Mats Inc.**  
 P.O. Box 3  
 Glencairn, Ontario  
 Canada L0M 1K0  
 Tel: (705) 466-2908  
 Fax: (705) 466-2994

■ The UL and ULC approved stove shields produced by Canadian KemStone effectively protect floor and wall areas from ash burns and the excessive heat given off by wood- or coal-burning stoves.

Available in mats and corner set-ups of different sizes, in a choice of red brick, brown fieldstone and grey flagstone patterns, the KemStone stove shields are designed to reduce clearances between solid fuel radiant heaters and combustible materials. A listed stove may be reduced in (stove to wall) clearance by a maximum of 67 per cent of the air specified distance, but not less than 30 cm (12 in.). Canadian KemStone achieves this with no air space.

The company is interested in expanding its dealer and distributor network in the United States.

**Cascade/Triumph Manufacturing Ltd.**  
 100 Commander Boulevard  
 Agincourt, Ontario  
 Canada M1S 3H7  
 Tel: (416) 292-0684  
 Fax: (416) 298-6137

■ The Cascade/Triumph wood stoves and fireplace inserts offer quality, safety, convenience and efficient heating at an affordable price.

The small Norwood 1000 wood-burning stove from Cascade/Triumph has big features. It offers the capacity to heat areas of up to 90 m<sup>2</sup> (1 000 sq. ft.) with 46 cm (18 in.) logs; Corning pyroceram glass in the cast-iron, air-tight door; air wash system; full brick lining; cast-iron spin draft control; and floor and rear guard heat shield. The larger Sunglo wood stove is built on the same high quality as the Norwood 1000 but has a special-shaped baffle design, combined with preheated primary and secondary combustion air for maximum efficiency, and optional 100 CFM blower.

The Triumph Fireplace insert accepts 50 cm (20 in.) logs to heat up to 150 m<sup>2</sup> (1 600 sq. ft.) areas. It incorporates a baffle designed for superior heat retention and a secondary combustion chamber for increased efficiency, complete combustion and reduced creosote build-up.



Elmira Stove & Fireplace  
 145 Northfield Drive  
 Wexford, Ontario  
 Canada N2L 8L3  
 Tel: (819) 747-8443  
 Fax: (819) 747-8444

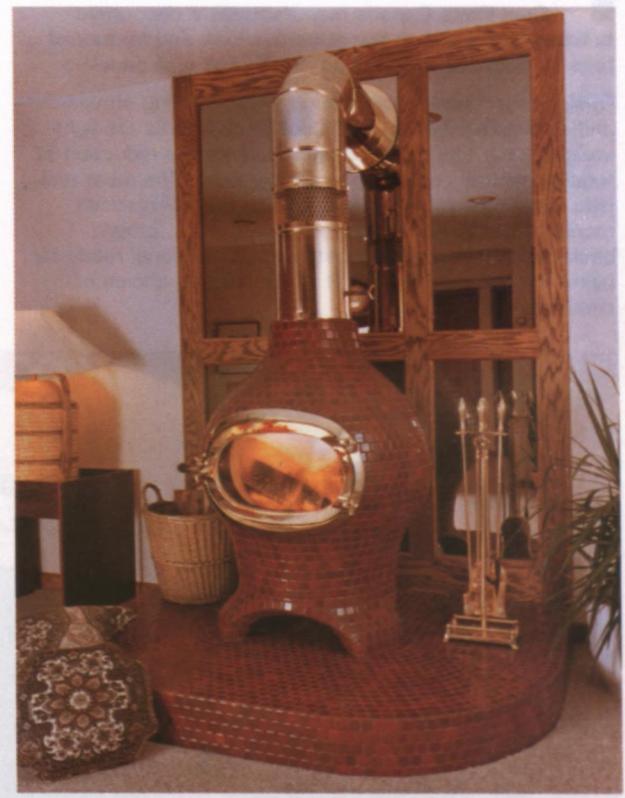


Cascade stove models offer such big features as full brick lining, special baffle design and high efficiency.

**Cenergy Fireplace Inc.**  
 15304 Yellowhead Trail  
 Edmonton, Alberta  
 Canada T5V 1A1  
 Tel: (403) 447-1135  
 Fax: (403) 489-4295

■ Unlike most other wood/coal-burning stove and fireplace inserts in the world, the Cenergy combines the advantages of exceptionally efficient combustion with individually handcrafted beauty. Cenergy's free-standing refractory ceramic stoves and fireplace inserts feature a unique curved design that becomes the user's personal statement of maximum efficiency and individual taste.

Every part of the Cenergy stove was designed with both beauty and function in mind. The large self-cleaning glass door allows the user to enjoy the beauty and warmth of the fire. Even the ceramic walls of the Cenergy serve to retain the heat inside, for low touchable exterior surface temperatures and safety. So safe in fact is the Cenergy, that it can actually be installed with only 6 cm (2 1/2 in.) clearance. As well, Cenergy stoves are available in a wide choice of colours and tile patterns.



This handsome, free-standing refractory ceramic stove enhances any decor.

Coal Cans Canada  
 Division of Cenergy International Mfg. Inc.  
 18304 Yellowhead Trail  
 Edmonton, Alberta  
 Canada T5V 1A1  
 Tel: (403) 447-1135  
 Fax: (403) 489-4295

**Cool Crete Canada**

Division of Cenergy International Mfg. Inc.

15304 Yellowhead Trail

Edmonton, Alberta

Canada T5V 1A1

Tel: (403) 447-1135

Fax: (403) 489-4295

■ Cool Crete Canada manufactures a decorative building material with the attractive look and texture of brick or fieldstone for use as hearth and wall paneling.

Designed for application around wood-burning stoves and as fireplace facing, the Cool Crete boards are lightweight, easy to install and approved for the reduction of required clearances by up to 66 per cent. The most realistic looking board of its kind on the North American market, Cool Crete is produced in red brick, brown brick, fieldstone and a smooth unfinished panel ready for paint, tile, slate or marble. It is offered in a choice of convenient sizes.



Easy-to-install, decorative Cool Crete boards reduce the required clearances around wood-burning stoves and fireplaces by up to 66 per cent.

**Elmira Stove & Fireplace**

145 Northfield Drive

Waterloo, Ontario

Canada N2L 5J3

Tel: (519) 747-5443

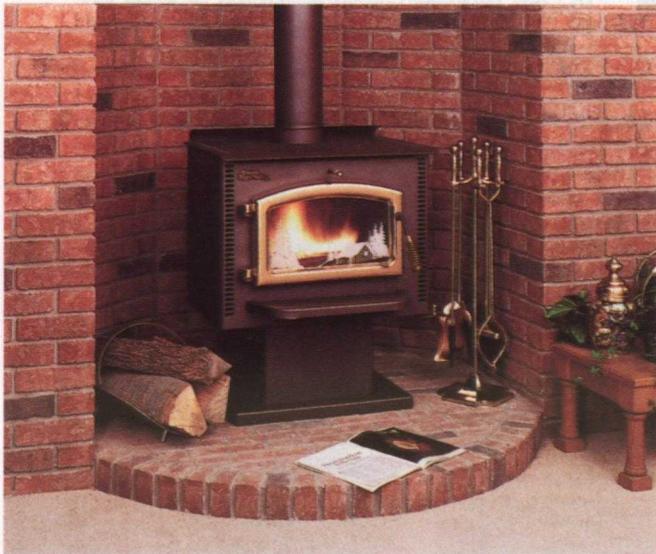
Fax: (519) 747-5444

■ Elmira manufactures the Oval wood/coal stove, Canada's best-selling cookstove since its introduction in 1906. Although today's Ovals are available in a choice of electric, electric/wood, gas and air-tight wood/coal models, they still retain the classic beauty of the original stove.

The air-tight Fireview woodstoves are built by Elmira for efficiency, safety and style. All models offer the advantages of a four-sided heat exchanger, glass wash, gold-plated door and cool-touch handle, safety heat-resistant glass and heat shield to reduce clearance to combustible walls. Elmira's Fireview Model 2300 meets the toughest North American emission standards, delivers up to 31 000 Btu/h and is approved for mobile homes.

Elmira fireplace inserts are easily installed in virtually any fireplace opening, giving airtight efficiency that means less wood and more heat. Every insert offers a four- or five-sided heat exchanger, powerful blower system, high-temperature safety glass, a choice of gold-plated door and cool-touch handle or painted door with etched glass and fibreglass insulation blanket wrap-around fire-box for optimum heat retention.

Elmira markets its well-known products throughout North America and Europe.



A classic beauty, the Elmira Oval is Canada's best-selling wood/coal cookstove.

### Enterprise Fawcett Inc.

Lorne Street  
Sackville, New Brunswick  
Canada E0A 3C0

Tel: (506) 536-1160  
Fax: (506) 536-1820

Since 1852, Enterprise has produced some of the finest wood-burning stoves in Canada. The tradition and craftsmanship continue. The Enterprise Monarch range offers old fashioned beauty with modern efficiency.

Nearly every exposed surface, except the machined cooktop of the Enterprise Monarch, is finished in lustrous black porcelain enamel or gleaming nickel plate. For convenience, its ample cast-iron lined firebox can be loaded through the front door, the lift-up top panel or the pouch feed coal door on the side. For easy ash removal, there is a 15 cm (6 in.) deep porcelainized drawer with a centre balanced swing-up bail that slides out from under the twin cast-iron rocking grates. The roast-size oven has a bi-level enameled cast-iron oven rack and tempered-glass panel in the oven door. A warming closet above the oven keeps extra helpings warm. Other features include an 84 cm (33 in.) towel bar, stay-cool hardwood handles and an optional 10-gallon warm water reservoir constructed from solid copper.

The Enterprise Monarch is a best seller in Canada.



This wood-burning cooking stove has everything — beauty, style and unmatched convenience.

**Forest Fuel**

Division of Peterborough Fuel & Transfer Co. Ltd.  
P.O. Box 1447  
Peterborough, Ontario  
Canada K9J 7H6

Tel: (705) 742-2882  
Fax: (705) 743-1583

■ Forest Fuel is a major Canadian manufacturer of 100 per cent pure wood densified fire logs. These 16.5 kg (7½ lb.) logs burn long and strong in fireplaces and wood-burning stoves and are environmentally friendly.

Forest Fuel logs are best sellers in Canada and are gaining popularity in the United States and Australia. The company exports its logs in bulk and in convenient consumer packages.

**Forge Fireplace Systems**

R.R. #5  
Belleville, Ontario  
Canada K8N 4Z5  
Tel: (613) 966-7741

■ The high-efficiency Forge fireplace heat exchanger is incorporated into a masonry fireplace during construction to significantly increase the heating ability of the fireplace and to reduce wood consumption. Constructed of precision welded steel, the Forge is factory-fitted with large ceramic-glass doors that give a safe, unobstructed view of the fire. The door frame is available in a choice of 24 K gold plating, nickel or painted finish.

The Forge utilizes a two-cycle, reverse burning process activated by an easy-to-operate damper control to allow for a fire holding capacity in excess of eight hours. The downdraft air-wash system uses preheated outside combustion air to keep the glass clean, while eliminating drafts associated with less advanced wood-burning techniques.

For optimum efficiency, an optional blower system, based on a quiet two-speed motor operating at 700 and 1 200 CFM capacity, can be added to the Forge. Offered in a selection of models, the Forge is easily installed using standard clay tile flues and readily available masonry products.



The fireplace heat exchanger significantly increases heating efficiency and economy.

**Haugh's Products**

10 Atlas Court  
Brampton, Ontario  
Canada L6T 5C1  
Tel: (416) 792-8000  
Fax: (416) 792-8053

■ Haugh's Products, one of the largest manufacturers of woodstoves in North America, offers an excellent selection of high-efficiency, free-standing stoves and fireplace inserts for the residential market.

Haugh's stoves are designed to meet the stringent Environmental Protection Agency standards and offer the homeowner comfort, convenience and economy. All stoves feature heavy steel-plate construction, refractory brick firebox lining, ceramic-glass door with superior air wash system, uniquely designed airflow, one single-slide control for simplicity of operation, and a five-year warranty.

The non-catalytic Cabot Elite woodstove from Haugh's has an overall efficiency of 76.7 per cent, a heat output of 14 500 to 42 725 Btu/h and a heating capacity of 140 m<sup>2</sup> (1 500 sq. ft.). The smaller Douglas Elite woodstove generates up to 21 250 Btu/h for a heating capacity of 93 m<sup>2</sup> (1 000 sq. ft.). The Gordon Elite is the most recent addition to Haugh's Elite line. It holds



logs up to 61 cm (24 in.) long, has a very low PM emission rate and the capacity to efficiently heat an area of up to 186 m<sup>2</sup> (2 000 sq. ft.). The Haugh's Fraser Elite fireplace insert fits standard size openings, has the same high-quality construction as the Elite stoves and a heating capacity of 140 m<sup>2</sup> (1 500 sq. ft.). Haugh's heating products are designed and built for superior performance and reliable service.



Haugh's attractive fireplace inserts and airtight stoves burn cleanly and efficiently to provide optimum comfort.

### Hunter Enterprises Ltd.

1 Colborne Street West  
Orillia, Ontario  
Canada L3V 6K1

Tel: (705) 325-6111

Fax: (705) 327-5658

■ Hunter Enterprises specializes in the design and manufacture of premium-quality domestic heating equipment, ranging from furnaces to gas fireplaces.

The Hunter Comfort oil furnace, available in a choice of lo-boy rear-flue, lo-boy front-flue and hi-boy front-flue models, has an efficiency of 84.5 to 87.2 per cent and heating capacity ranging from 78 800 to 119 500 Btu/h. This attractive, reliable furnace features a flame retention oil burner; ceramic fibre combustion chamber; belt drive blower with capacity of 820 to 1 275 CFM; fibre-glass insulation; safety limits; and 22-gauge textured metal jacket produced in a choice of contemporary colours. The Hunter Comfort carries a 25-year transferable warranty on its heat exchanger.

The compact Hunter MR80 downflow multi-fuel furnace switches automatically from wood to electricity, oil or gas. It accepts up to 61 cm (24 in.) logs in its large-capacity lined firebox. On the electric side, the MR80 has high-efficiency nickel-chrome elements, a three-speed automatic fan, automatic bi-metal reset (in case of power surge), and safety limits. Sizing is 10 to 25 kW.

The slim Hunter MARK III is a multi-room automatic 85 000 Btu gas furnace that offers economy and superior efficiency. Some of its advanced features are total air filtering; powerful twin blowers for heat distribution; twin, wedge-shaped combustion chambers; and deeply indented heat turbulizers that detour the hot gases as they rise to capture the maximum heat from them.

Ideal for cottages, garages and workshops, the Hunter GW-50B is a space-saving, economical warm air gas 50 000 Btu heater designed to provide heat quickly with or without electricity. The zero clearance unit has a continuously welded heat exchanger and combustion chamber, safety shut-off valve and optional fully automatic blower.

Other well-known Hunter heating products include the LSR-sealed combustion gas heater; the Cozy Comfort built-in gas fireplace insert and the Fireside high-efficiency gas wall heater/fireplace.



Hunter gas wall heaters burning gas logs offer the look and appeal of wood but the dependable heating efficiency of gas.

**James A. Ryder Mfg. Inc.**

241 Arvin Avenue  
Stoney Creek, Ontario  
Canada L8E 2L9

Tel: (416) 662-1701

Fax: (416) 664-3616

■ A design leader in the North American chimney industry, James A. Ryder is a major Canadian manufacturer of chimney systems for the HVAC, commercial and solid fuel markets.

The company offers a full range of prefabricated vent pipe and chimney liners for professional installers and the do-it-yourself market. From the all-stainless steel Commander high-temperature chimneys that have 1 149°C (2 100°F) approval, to large diameter A and B vents, through E vent and black pipe, Ryder is the choice for quality, dependability and craftsmanship.



Professional installers select these prefabricated vent pipes and chimney liners for their quality and ease of installation.

Forge Fireplace Systems Ltd.  
R.R. #5  
Belleville, Ontario  
Canada K8H 4Z5  
Tel: (513) 666-7741

**KA-Heat Kachelofen Ltd.**

P.O. Box 669  
Cobourg, Ontario  
Canada K9A 4R5

Tel: (416) 352-2670

■ KA-Heat has successfully adapted the well-known 'kachelofen' ceramic-tiled stove of Europe to the North American environment. Designed primarily to burn wood, the KA-Heat stove is economical, energy efficient and generates heat for hours after the last hardwood fill-up.

KA-Heat manufactures its ULC tested FABER KING™ tiled stoves in a choice of portable or built-in styles. The 10 portable ceramic-tiled models have a heating capacity of 93 to 186 m<sup>2</sup> (1 000 to 2 000 sq. ft.) while the large masonry-tiled stove can effectively heat up to 557 m<sup>2</sup> (6 000 sq. ft.). All FABER KING™ stoves feature a large brick-lined, steel firebox; air-tight, cast-iron fire and ash doors; fire-view window; 7 to 13 cm (3 to 5 in.) air shaft for fast hot-air circulation; and primary and secondary air-supplies.

The cosy FABER KING™ tiled stove is an attractive asset to any home. KA-Heat craftsmen custom-build stoves to meet the owner's specific heating needs and design preferences.

In addition to its tiled stoves, KA-Heat manufactures wood/coal heaters, heat exchangers and accessories.



O'Dette Manufacturing Inc.  
 555 Anderson Road  
 Victoria, British Columbia  
 Canada V8S 1C8  
 Tel: (804) 383-6000  
 Fax: (804) 383-4138

### O'Dette Energies of Canada Ltd.

595 O'Connor Drive  
 Kingston, Ontario  
 Canada K7P 1J9

Tel: (613) 394-1459  
 Fax: (613) 384-5939

■ O'Dette Energies is well-known in North America for the high efficiency and attractive appearance of its airtight wood stoves and fireplace inserts.

The popular O'Dette O-25-S model wood-burning stove offers such features as a deep, plate-steel firebox lined with fire bricks on all sides for the retention of heat; large unobstructed cooking top; triple rear wall construction for maximum safety; adjustable full horizontal baffle system; glass doors with unique glass wash system and stay-cool decorative door handles. Available options include elegant 24 K gold-plated doors, designer etched glass and variable speed blower to distribute the heat from the stove. The O'Dette O-25-S stove meets UL 1482 and ULC 627 specifications and is produced in a choice of black, brown or charcoal grey.



Available in a choice of designs and colours, the attractive ceramic tiles add classic charm to the efficient KA-Heat Kachelofen wood-burning stoves.

The solid steel O'Dette Contempra O-29-S fireplace insert with the large glass door panel has many of the same advantageous features as the O-25-S stove. Trimmed with brass, the insert has stay-cool brass handles, decorative grills, safety log retainer, standard variable speed blower, large cooking area and lined firebox. Produced by O'Dette in standard and custom sizes, the Contempra O-29-S meets ULC-S626 and UL 907 and is supplied in black, brown or charcoal grey with optional 24 K gold-plated doors.



The elegant 24 K gold-plated door is a popular option to the efficient O'Dette wood-burning stoves.

**Oliver-MacLeod Limited**

155 Edward Street  
Gravenhurst, Ontario  
Canada P0C 1G0

Tel: (705) 687-3447

Fax: (705) 687-7084

Oliver-MacLeod manufactures the insulated PRO-JET chimney system and efficient wood-burning and gas fireplaces that are engineered for safety and dependability.

The versatile, energy-efficient PRO-JET system is a solid-packed chimney that complies with UL Standards and is produced in 15 to 92 cm (6 to 36 in.) diameters for residential and commercial installations. It is available in all the necessary lengths and components required for a quick, easy and safe installation.

With WOOD and GAS fireplaces, Oliver-MacLeod introduces a variety of options to enhance the traditional or modern-home environment. The fireplace louvres, trims and surrounds are available as kits in a choice of antique brass, polished brass and polished chrome. The wood fireplaces in the PRO-JET series are lightweight, do not require special footings and can be installed in new or retrofit construction. Available with an 86 cm (34 in.) or 102 cm (40 in.) firebox opening, the units feature an inner airspace and a layer of fibreglass to insulate the outer casing as well as a unique air intake to draw in outside air or cool room air through bottom vents.

The NATURAL GAS or PROPANE fireplace is perhaps the most practical fireplace system on the market. Over 80 per cent efficient, this fireplace is equipped with a built-in blower, a polished chrome reflective firebox, a standing pilot, a remote switch and piezo ignitor for convenience and safety.

Demand for Oliver-MacLeod products is continuously growing in North America, South America and Europe.



The efficient wood and gas fireplaces from Oliver-MacLeod require no special footings and can be installed in new or retrofit construction.

**Osburn Manufacturing Inc.**

555 Ardersier Road  
Victoria, British Columbia  
Canada V8Z 1C8

Tel: (604) 383-6000

Fax: (604) 382-4128

Innovative production methods and superior craftsmanship have made Osburn a leader in the manufacture of environmentally friendly, non-catalytic stoves and fireplaces in North America.

Osburn has devoted extensive research and development into producing highly efficient, clean-burning, non-catalytic wood stoves that pass the latest U.S. Environmental Protection Agency regulations. The Osburn wood-burning stoves are certified to ULC/UL Standards. They offer such features as heavy steel construction; airtight doors; 0.6 cm (1/4 in.) internal baffles; and fire-brick lining. Options include 24 K gold-plated doors, variable-speed fan, outside air intake and hand-etched door glass. Available in a choice of models, Osburn stoves have the capacity to generate from a maximum of 52 000 to 61 000 Btu/h.

The Osburn gas fireplaces and stoves are versatile heating units constructed for maximum heating comfort. Elegantly styled, they incorporate a full range of safety features including ceramic glass front, flame failure device and piezo spark automatic ignition system.

Every Osburn product is carefully crafted to high-quality standards and offers state-of-the-art technology for maximum heating performance, safety and ease of operation.

Osburn stoves and fireplaces are sold in North America and Australia through an extensive distribution network and are backed by reliable service professionals.

RSE Energy Ltd.  
 P.O. Box 3037  
 Smithers, British Columbia  
 Canada V0J 2N0  
 Tel: (604) 847-4301  
 Fax: (604) 847-4432

RSE Energy specializes in the production of efficient wood-burning heating units noted for their reliability, convenience and attractive appearance.

The company's product line includes the Ardair wood

The RSE Energy electric wall thermostat, which is sized and with the Ardair's and controls an office unit, will control room temperature to prevent heat degradation. All units are equipped to take in outside air and water which can be added to stoves and furnaces to supply the



The Osburn fireplace and non-catalytic wood stove offer high efficiency, beauty and superior craftsmanship.

P.S.G. Distribution Inc.  
 798, rue 8 est  
 La Guadeloupe, Québec  
 Canada G0M 1G0  
 Tel: (418) 459-6458  
 Fax: (418) 459-6450

R. Bouché Inc.  
 400, rue Armand  
 Québec, Québec  
 Canada J1T 4K4  
 Tel: (514) 871-2211  
 Fax: (514) 871-2211

P.S.G. Distribution manufactures wood stoves, wood/electric furnaces, electric furnaces and wood add-on furnaces designed to provide the maximum comfort at minimum cost.

The PSG 2000, 3000 and 4000 warm air wood/electric furnaces offer a heating capacity (wood) of up to 185 000 Btu, easy loading and cleaning, refractory brick-reinforced combustion chamber and high-quality steel construction. The electric element is located under the combustion chamber, well protected from the intense heat produced during wood burning. The industrial combined furnace PSG 5000, designed to heat greenhouses, garages and similar applications, has a heat exchanger, two-speed motor, blower, fresh air return, 15 or 18 kW electrical element and optional 60 kW integrated electrical system.

The PSG wood-burning stoves produce up to 60 000 Btu and feature steel or safety glass doors, blower for optimum air distribution and 70 per cent or better efficiency. The electric warm air PSG furnaces are available in a choice of models ranging from 10 to 25 kW in power. The wood add-on furnace can be installed on the right or left side of an oil furnace to provide an additional 100 000 Btu/h.

PSG distribution stoves and furnaces are built for service.

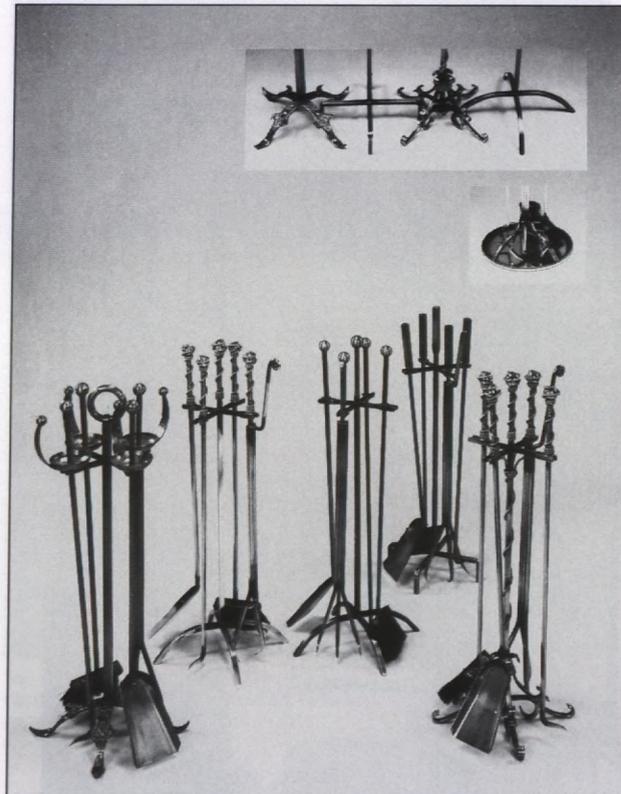
**R. Bossé Inc.**  
 400, rue Amiante  
 Asbestos, Québec  
 Canada J1T 4N4  
 Tel: (819) 879-2277  
 Fax: (819) 879-6798

R. Bossé Inc. Distribution Inc.  
 188, rue 8<sup>e</sup> est  
 La Grande-Pierre, Québec  
 Canada G0M 1G0  
 Tel: (418) 489-6455  
 Fax: (418) 489-6450

■ Skilled craftspeople at R. Bossé use time-honoured artistry to produce fireplace doors and accessories that reflect beauty and excellence. The company's products are recognized to be among the best on the North American market.

The R. Bossé fireplace doors, designed to fit standard openings, are available in a choice of colours in six different models ranging from the antique to the modern, each equipped with matching fittings. Shaped from superior-quality steel 0.6 cm (1/4 in.) thick and high-temperature resistant glass, every door is made with careful attention to detail to ensure that it meets the industry's highest standards. R. Bossé custom builds fireplace doors to any desired size or shape.

Constructed to the same high level of quality, the R. Bossé fireplace accessories include grills, pans, pokers and wood bins.



**Osburn Manufacturing Inc.**  
 555 Arden Road  
 Victoria, British Columbia  
 Canada V8Z 1G8  
 Tel: (804) 382-0000  
 Fax: (804) 382-4128

■ Innovative production methods and superior craftsmanship have made Osburn a leader in the manufacture of environmentally friendly, non-catalytic stoves and fireplaces in North America.



The finely crafted fireplace screens and accessories from R. Bossé add a distinctive touch of elegance to any home.

**RSF Energy Ltd.**  
 P.O. Box 3637  
 Smithers, British Columbia  
 Canada V0J 2N0  
 Tel: (604) 847-4301  
 Fax: (604) 847-4432

■ RSF Energy specializes in the production of efficient wood-burning heating units noted for their reliability, convenience and attractive appearance.

The company's product line includes the Ardent wood/coal-burning stove; the compact HF75R and HR85R wood-burning space heaters; the mid-size F75R and F101 wood-burning furnaces; and the Opel 2000 zero clearance fireplace insert with the 1 m<sup>3</sup> (3.5 cu. ft.) firebox.

The RSF Energy electric wall thermostat, which is standard with the Ardent and optional on other units, can control room temperature to within two degrees. All units are equipped to take in outside air, and water coils can be added to stoves and furnaces to supply the domestic hot water needs.



The zero-clearance Opel 2000 fireplace offers heat, comfort and efficiency.

**Regency Industries Ltd.**  
 7830 Vantage Way  
 Delta, British Columbia  
 Canada V4G 1A7  
 Tel: (604) 946-5155  
 Fax: (604) 946-0479

■ The Regency wood-burning stoves offer superior performance with an advanced combustion system, unmatched elegance and minimal maintenance requirements.

The company produces three models of wood-burning stoves generating from 33 500 Btu to 59 000 Btu/h with E.P.A. emissions as low as 3.7 g. All Regency stoves have such standard features as built-in wall shieldings; 15 cm (6 in.) flue pipe installation; combustion system based on using thermal mass technology to advantage and balancing the combustion air mixture within the firebox; custom finishes in a wide variety of fashion colours; and a directional air-wash system that keeps the high-heat glass doors clear. Options include blower and gold-plated doors.

Regency's fireplace inserts offer the same excellence in craftsmanship and technology as the company's stoves. Inserts are manufactured in a choice of styles and sizes to fit residential and mobile home fireplace openings.

Regency stoves and inserts are marketed through an extensive dealer network in North America.

**Security Chimneys Ltd.**  
 2125, rue Monterey  
 Laval, Québec  
 Canada H7L 3T6  
 Tel: (514) 337-3387  
 Fax: (514) 687-9569

■ A design leader in the Canadian chimney industry, Security Chimneys manufactures prefabricated Type HT and Type B chimneys and stainless steel liners for professional installers and the do-it-yourself market.

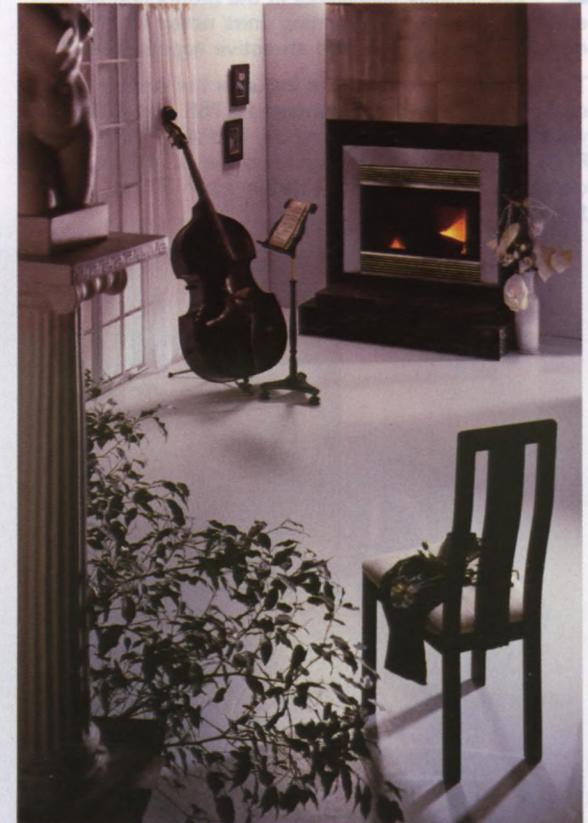
The Security ASHT model is a high-temperature chimney designed for wood, coal and oil stoves and furnaces. The all-stainless-steel construction of the ASHT enables it to withstand chimney fires at 1 150°C (2 100°F). One inch of pressure packed insulation inside the ASHT minimizes heat loss through the chimney walls and maintains the inner flue at the high temperature required to provide adequate draft. Offered in diameters of 15 to 25 cm (6 to 10 in.), the ASHT meets UL, ULC, CSA and other relevant specifications.

The Type A Model AS chimney, designed for lower temperatures than the ASHT, is used for industrial and commercial applications. Available in diameters of 30 to 46 cm (12 to 18 in.), the Type A Model AS is UL and ULC listed.

The Type B Security gas vent has a galvalum exterior and aluminum interior and ranges from 8 to 92 cm (3 to 36 in.) in diameter.

The Security liner is fabricated from rigid 24-gauge stainless steel. It offers a unique twist-lock connection for easy assembly and double-lock seam for superior strength and corrosion resistance. Designed as lining for masonry chimneys, the liner is produced in diameter sizes of 13 to 20 cm (5 to 8 in.).

Security markets its excellent quality products throughout North America and to many countries in Europe.



The Security gas and wood fireplaces add warmth and a touch of class.

RSE Energy Ltd.  
 P.O. Box 3837  
 Burnaby, British Columbia  
 Canada V0J 2M0  
 Tel: (604) 847-4301  
 Fax: (604) 847-4423

# Refrigeration

## W.R. Benjamin Products Ltd.

P.O. Box 2079  
Springhill, Nova Scotia  
Canada B0M 1X0

Tel: (902) 597-8196

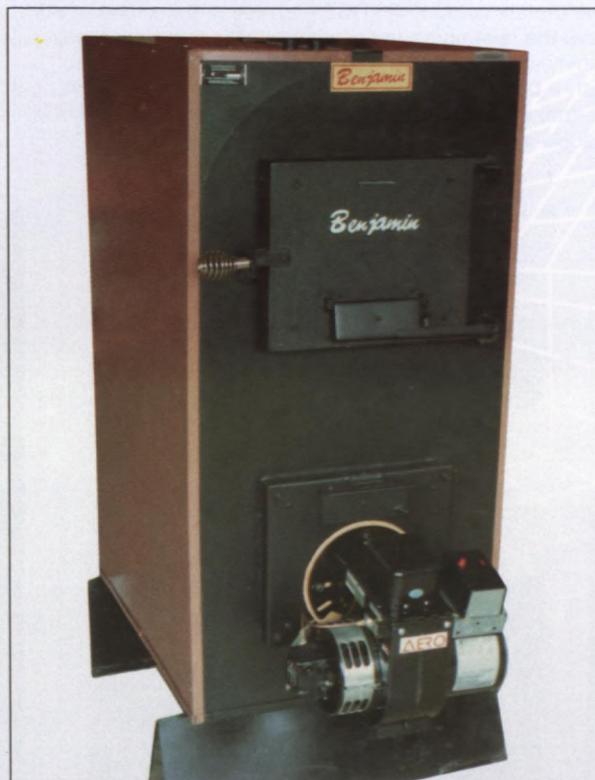
Fax: (902) 597-3969

■ W.R. Benjamin manufactures high-quality furnaces, boilers, stoves and custom-fabricated heating products.

The Benjamin FS140 combination wood/oil hot-air furnace generates up to 120 000 Btu on wood and features a tubular heat exchanger based on the aerodynamic flow concept to increase heating efficiency at reduced cost. The compact furnace switches from wood to oil automatically and offers front-mounted cleanouts for easy access, wood firebox on top for more convenient loading of up to 61 cm (24 in.) logs, and choice of oil burners.

The Benjamin CC500 combination wood/oil hot water boiler switches from wood to oil automatically and operates on the 'Dutch oven' principle. The boiler has no tubes. Instead its large firebox, which accepts 61 cm (24 in.) logs, is completely surrounded by water for maximum heating efficiency. The convenient, insulated boiler is equipped with a high-efficiency flame retention oil burner; pressure relief valve and other safety devices; circulating pump, aquastats, and prewired control kits.

Benjamin boilers and furnaces carry a generous warranty and are sold through a distributor network in Canada.



The W.R. Benjamin combination wood/oil hot air furnace and hot water boiler offer economy, reliability and unmatched convenience.



**Wolf Steel Ltd.**  
 R.R. #1 (Highways 11 & 93)  
 Barrie, Ontario  
 Canada L4M 4Y8  
 Tel: (705) 721-1212  
 Fax: (705) 722-6031

W.R. Benjamin Products Ltd.  
 P.O. Box 2075  
 Springhill, Nova Scotia  
 Canada B0M 1X0  
 Tel: (902) 887-8158  
 Fax: (902) 887-3952

■ Wolf Steel manufactures a complete range of safety-tested wood and natural gas/propane-burning heating appliances noted for their outstanding design, efficiency and quality.

The NAPOLEON CLASSIC free-standing woodstoves and fireplace inserts, offered by Wolf Steel in a choice of models, feature an airtight design with a full air control and removable firebrick baffle. Top-quality construction, firebrick lining and a heavy cast-iron door system ensure years of trouble-free service. The DYNASTY gas fireplaces are a heat-efficient alternative for homeowners who do not have ready access to firewood.

The prefabricated PRESTIGE fireplace and masonry units have the heating power of airtight efficiency and the convenience of a zero clearance installation. Equipped with a built-in heat exchanger, an outside combustion air-intake and a large fire-viewing window, the PRESTIGE models are an elegant addition to any home.

The heat-saving SUNSET fireplace glass doors from Wolf Steel are available in a choice of modern designs to suit any home decor.

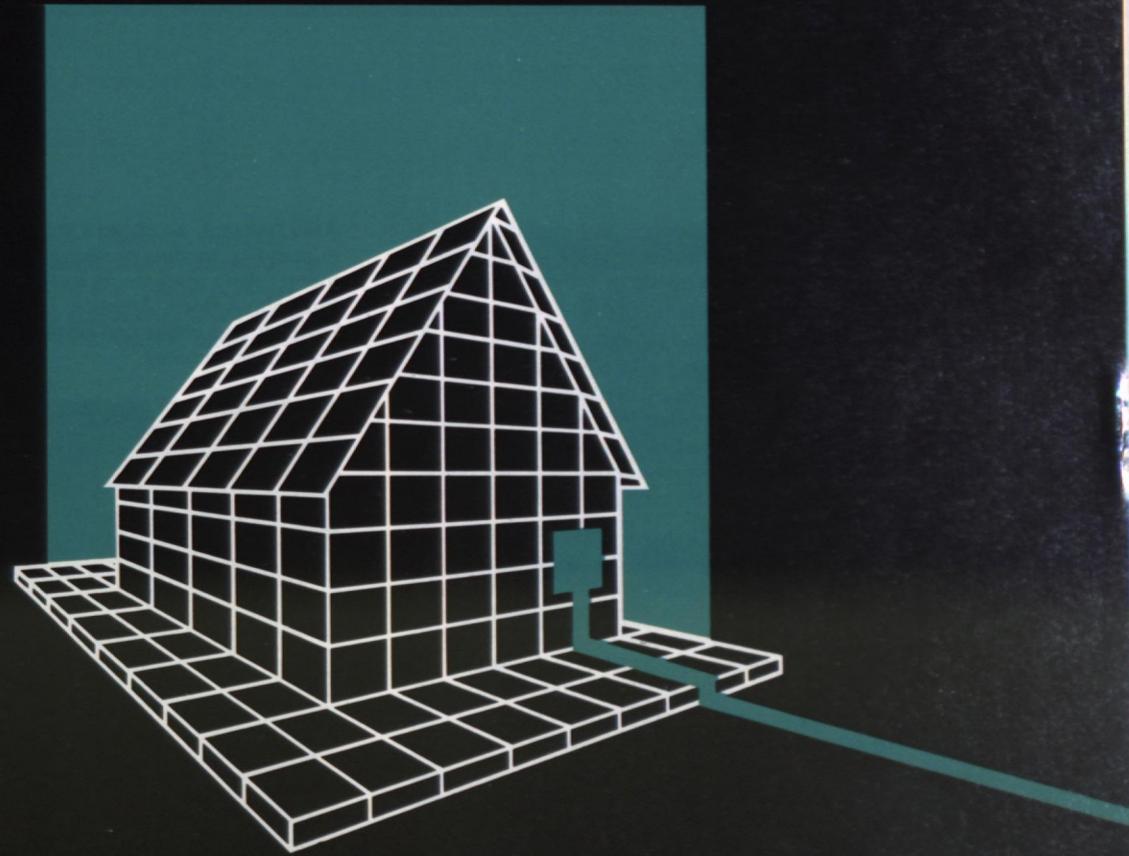


The PRESTIGE is a prefabricated fireplace with the heating power of airtight efficiency and the convenience of a zero clearance installation.



The NAPOLEON CLASSIC inserts and stoves offer an airtight design with a full air control and removable firebrick baffles.

# Refrigeration



**Aero Heat Exchanger Inc.**

4651 Vanguard Road  
Richmond, British Columbia  
Canada V6X 2P7

Tel: (604) 278-4118

Fax: (604) 278-4847

■ Aero Heat Exchanger designs and manufactures a complete range of industrial freezing systems, air coolers and evaporators to meet the needs of the chilled and frozen food industry.

The Aero product line includes the IQF belt freezer, designed for the individual rapid freezing of fruits and vegetables. This unique two-pass conveyor belt system positively moves the food product in optimum fluidization, allowing a wide variety of products to be frozen gently, with minor changes in production rate. All product contact parts are made of food-grade stainless steel and plastic material.

The Aero double- and triple-pass in-line freezers are designed for longer retention products such as fish and convenience foods. The modular Aeromaster model has three separately controlled belts in a choice of widths and high-capacity aluminum evaporators with excellent heat transfer coefficients. The airflow in the Aeromaster systems is directed to give the products an even temperature across the full width of the belts.

The Aero twin belt fluidized-bed freezing systems have a capacity of up to 22 000 lb./h, based on peas, and offer defrosting selection ranging from shift defrost to fully automatic defrost. For ice cream, ready-to-eat meals and other packaged and unpackaged foods, Aero produces a spiral freezer in a choice of sizes and models.



Aero freezers, air coolers and evaporators are available in standard models or designed to customer requirements. Aero markets its excellent-quality products throughout North America, Europe, Australia and the Far East and offers complete installation, start-up and after-sales services.



Powerful air cooler unit for cold storage room or warehouse.

**Blanchard-Ness Limited**

3950, boulevard Losch  
Saint-Hubert, Québec  
Canada J3Y 5T6

Tel: (514) 656-8800

Fax: (514) 656-3050

■ Blanchard-Ness specializes in the design and production of heat-transfer equipment for refrigeration and air conditioning products. The company's proven strength lies in the expertise of its staff and the decades of accumulated experience in design, engineering and tooling.

At its modern facilities, Blanchard-Ness manufactures a wide range of unit coolers for reach-ins; super coolers for walk-in boxes and holding freezers; blast freezers; low-velocity unit coolers; air-cooled condensers ranging from 4 to 145 T; dry type fluid coolers up to 400 US gpm; roof mounted air-cooled condensing units from 5 to 80 hp; packaged dehumidifiers from 5 to 7½ hp, designed for arenas and curling rinks; and air handlers from low to high pressure, capable of moving from 1 200 to 45 000 CFM.

The company also produces a variety of coils in a broad range of fin configurations, fin spacings and sizes suitable for chilled water, hot water, DX, condenser, heat reclaim and steam applications.

**CBR Technologies Ltd.**

1385, rue de Coulomb  
Boucherville, Québec  
Canada J4B 7L8

Tel: (514) 449-0676

Fax: (514) 655-9379

■ CBR Technologies is a leading Canadian manufacturer of refrigeration and air conditioning products for the residential, commercial and industrial markets.

Among the excellent-quality products manufactured by CBR Technologies are heat exchangers, swimming pool heat pumps, pressure vessels, package chillers, condensing units, ice-making equipment for arenas, ice banks, ice flakers and vacuum coolers.

Together with its engineering, marketing, sales and service departments and distribution network, CBR Technologies is able to supply standard or custom-built equipment to maximum customer satisfaction.

**Can-Arctic Refrigeration Inc.**

78 Signet Drive  
Weston, Ontario  
Canada M9L 1T2

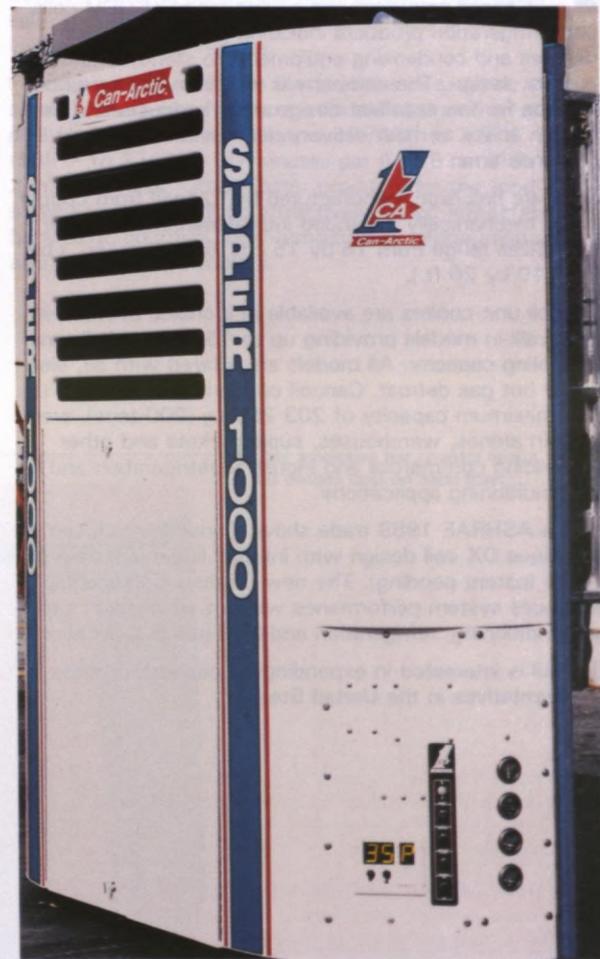
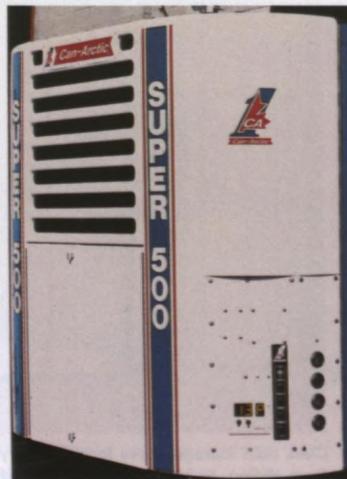
Tel: (416) 745-9007

Fax: (416) 745-9340

■ Can-Arctic is an innovative Canadian manufacturer of transport refrigeration equipment recognized for its high efficiency, compact size and reliable performance. The company designs and produces a full range of temperature control units for vans, trucks, trailers and intermodal containers.

Using the heat-pump principle, Can-Arctic developed refrigeration equipment that has more heating capacity, and therefore a shorter defrost cycle, than competitive units of the same size. Equipped with a four-stage thermostat, Can-Arctic's Super Series gives greater heating and cooling performance than ever before. And, the use of R502 refrigerant with an ozone depletion factor of 0.33 increases capacity, reduces wear and energy consumption. The company's Super Series refrigeration units range in capacity from 8 000 to 45 000 Btu at 1.7°C (35°F).

Can-Arctic markets its successful product throughout North America, Europe and countries in Africa and the Middle East. The company is interested in expanding its distributor network and in discussing technology transfers and licensing agreements.



Can-Arctic manufactures a range of very high-capacity, front-mount diesel-powered cooling and heating units for trailers with or without electric standby.

**Cancoil Thermal Corporation**

R.R. #6, Highway 15 and F. Scott Road  
Kingston, Ontario  
Canada K7L 4V3

Tel: (613) 541-1235  
Fax: (613) 541-1239

Cancoil manufactures a wide range of OEM coils and refrigeration products including unit coolers, condensers and condensing equipment, to standard and custom design. The company is well known throughout Canada for the excellent design of its products and its proven ability to meet delivery dates within a short response time.

Coils are precision manufactured by Cancoil from copper tubes mechanically expanded into aluminum or copper fins. Sizes range from 15 by 15 cm (6 by 6 in.) to 3 by 6 m (10 by 20 ft.).

Cancoil unit coolers are available in a choice of reach-in and walk-in models providing up to 15 241 kg (15 tons) of cooling capacity. All models are offered with air, electric or hot gas defrost. Cancoil condensers, produced up to a maximum capacity of 203 209 kg (200 tons), are used in arenas, warehouses, supermarkets and other demanding commercial and industrial refrigeration and air conditioning applications.

At the ASHRAE 1989 trade show, Cancoil introduced its unique DX coil design with integral liquid sub-cooling circuit (patent pending). The new product significantly enhances system performance without increasing cost in air conditioning, refrigeration and heat pump applications.

Cancoil is interested in expanding its network of sales representatives in the United States.

**Clark Door of Canada Ltd.**

125 Gibson Drive  
Markham, Ontario  
Canada L3R 3K7

Tel: (416) 475-1292  
Fax: (416) 497-9140

To seal cold in and keep heat out in low-temperature facilities, there is no better, more convenient door than a Clark.

The company offers an excellent selection of horizontal doors, bifold doors, sectional overhead doors, single- and double-vertical-slide doors, conveyor doors, in-fitting cold storage doors, shock-absorber doors and banana room doors. The polyurethane-insulated doors are clad with aluminum, stainless steel, galvanized or kayon, depending on the specific application requirements.

Some of the advantageous Clark door features are a double-J track assembly that prevents the trolleys from jumping off; duo-wedge track that brings the door into positive contact with the adjustable seals and floor at opening; integral door panel heaters in all freezer doors; and an adjustable Neoprene seal assembly that creates a positive door panel seal around the opening.

Clark also produces a full range of solid state electronic, electric and air operators and controls for its doors in commercial and industrial applications.



Clark cold storage doors include everything from sliding, to bifolding, to vertical-lift models.

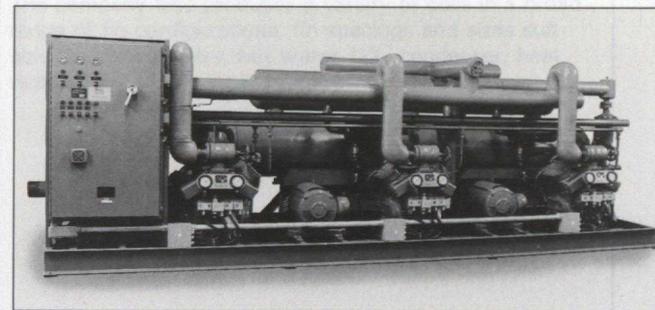
**ESD Industries Inc.**

6790 Kitimat Road, Unit 20  
Mississauga, Ontario  
Canada L5N 5L9

Tel: (416) 567-4099  
Fax: (416) 567-4002

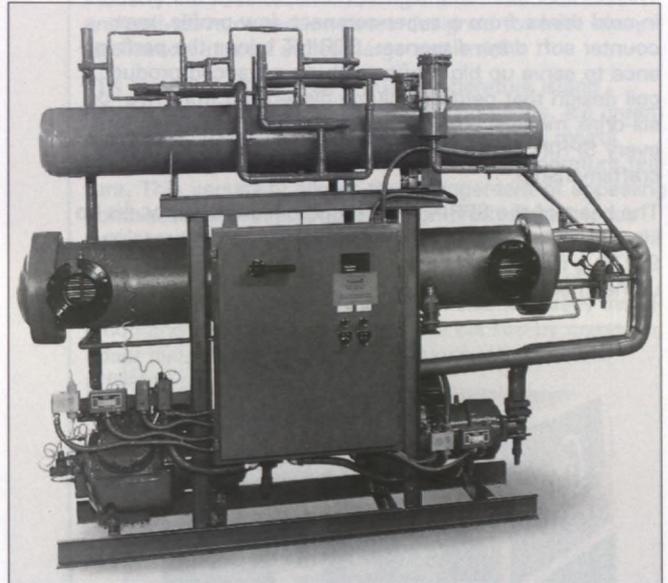
ESD Industries design and manufacture double-wall, vented heat-recovery heat exchangers for the industrial and commercial markets. ESD also design and build special fluid chiller packages and ammonia screw compressor systems for the petrochemical, food processing and other industries.

The Egosaver heat recovery system from ESD reclaims waste heat from high compressor discharge temperatures to produce abundant potable hot water, safely and economically. The water can either be fed as boiler make-up or recirculated through a storage tank. The Egosaver offers such outstanding features as vented double wall design, low refrigeration pressure drop selection, finned tube area for high heat transfer efficiency and computer selection for maximum performance.



Hussmann Store Equipment  
 52 Frank Street  
 Brentford, Ontario  
 Canada N3T 5R2  
 Tel: (519) 756-8351  
 Fax: (519) 756-8351

ESD Industries custom builds special fluid chillers and compressor packages for both heat recovery and refrigeration packages. Installations are found throughout North America and several countries in Asia, South America and Europe.



ESD Industries designs and manufactures heat recovery systems and fluid chillers for industrial and commercial markets.

**Foster Refrigerator of Canada**  
 333, rue Janelle  
 Drummondville, Québec  
 Canada J2B 6W2  
 Tel: (819) 478-8101  
 Fax: (819) 478-3420

■ Foster Refrigerator of Canada produces a full range of refrigerated cabinets, heated cabinets, as well as modular rooms for demanding applications in food services, hospital and laboratory settings.

Foster's prefabricated walk-in coolers, refrigerators and freezers are based on modular, metal-clad, insulated panels that are precision formed for quick, efficient and clean installation. Urethane foam, injected between metal pans, produces a walk-in panel of great strength, structural stability and thermal efficiency, with a uniform insulation value throughout. The lightweight walk-in panels are clad inside or outside in aluminum, galvanized steel or stainless steel and locked together using a system of camlocks. They can easily be assembled on site into any desired size and doors can be located in almost any position. Standard Foster door features include superior hardware; heated pressure relief port in

freezers; chrome-plated dial thermometer; cam-action self-closing hinges; hydraulic exterior door closer; and inside safety door release.

Foster also manufactures blast chillers in a choice of sizes. These high-efficiency units are designed to quick chill from an initial temperature of 74°C to 2.8°C (165°F to 37°F) in 90 minutes per 4 to 5 cm (1 1/2 to 2 in.) thickness. Other Foster products for the food-service industry include attractively styled refrigerated back bars, counters, dual-temperature refrigeration units and pass-through coolers.



This attractive bar counter keeps up to 56 bottles cool on each tray.

The SPINT floor air dispenser provides convenient, contact-free air-circulation.

**General Refrigeration Inc.**

5320 Timberlea Boulevard  
Mississauga, Ontario  
Canada L4N 2S6

Tel: (416) 629-1999

Fax: (416) 629-3418

■ One of the largest Canadian manufacturers of commercial refrigeration products, General Refrigeration stands at the leading edge of cooling technology. Its products reflect the company's rigorous standards of performance and meet customer requirements for mechanical dependability, convenience and attractive appearance.

The General Regency line of reach-ins is truly complete with top mount, bottom mount, and remote condensing units with swinging or sliding doors, either in cooler or freezer models. Every model is customized to meet specific requirements for 'pass thru,' 'see thru,' glass ends, half doors and special shelving. Galvanized steel with baked-on enamel finish or stainless steel is used throughout, to prevent rust.

The General Slim Line products are designed to occupy minimum space yet provide maximum display, with spacious-looking cases, practical shelving configurations and brilliant lighting. The Slim Line includes classical deli cases 1.2 m (4 ft.) and 1.8 m (6 ft.) in length; vertical merchandisers in modular units; versatile sandwich cases; and island or counter display cases. In addition, a variety of cooler and freezer display cases — whether for dairy, deli, meat or frozen food; self-contained or remote — complete the case product line.

The prefabricated walk-in coolers and freezers from General Refrigeration are assembled on site from modular panel sections. The economical wall panels have 7.6 cm (3 in.) or 10 cm (4 in.) thick, foamed-in-place polyurethane insulation and are easily and quickly fastened together with CAM FAST joining locks. Every unit can be customized with choice of doors, hardware and other options.

General Refrigeration also manufactures a complete store fixture system based on a modular frame and shelving assembly. In short, the company can address all food merchandising and storage requirements, and assist with the design and planning of a most suitable facility.

**Greystone Energy Systems Inc.**

150 English Drive  
Moncton, New Brunswick  
Canada E1E 4G7

Tel: (506) 853-3057

Fax: (506) 853-6014

■ Specialist in measurement products, Greystone Energy manufactures some of the best sensors for HVAC control systems available on the North American market. The company is recognized for the excellent quality and reliability of its products, the wide selection of available models and the efficient customer service.

In temperature sensors, Greystone offers a broad choice of precision platinum resistance temperature detectors, integrated circuits or thermistors that can be interfaced with a computerized monitoring or control system. Combination humidity/temperature transducers and transmitters are available for energy management systems.

Greystone pressure sensors developed for HVAC applications include transmitters, transducers and combination models. Current devices range from AC current sensors to kW and kWh transducers. For positioning dampers and valve actuators in HVAC systems, Greystone also distributes electronic pneumatic transducers and solenoid air valves.

In North America, Greystone products are sold directly to the HVAC market.

**Habco Beverage Systems Inc.**

160 Bullock Drive  
Markham, Ontario  
Canada L3P 1W2

Tel: (416) 471-8511

Fax: (416) 471-8544

■ Habco Beverage Systems has 40 years of experience in the design and production of beverage cooling and dispensing equipment. Whether dispensing post-mix, pre-mix, or cooling traditionally packaged goods, Habco has the right model to suit any need.

The SPRINT over-counter dispenser delivers the best in cold drinks from a super-compact, low-profile, over-counter soft drink dispenser. SPRINT brings the performance to serve up big profits with an advanced product coil design that permits volume dispensing from five- or six-drink models. Quality and performance are built into every SPRINT from its tested components to its quality craftsmanship.

The heart of the SPRINT is a rugged, high-capacity, 1/3 hp lift-out refrigeration module that delivers an impressive 9 979 g (22 lb.) ice bank with a recovery that is unmatched in the industry.



The SPRINT Post-Mix dispenser provides convenient, compact over-the-counter service.

**Husmann Store Equipment Ltd.**

58 Frank Street  
 Brantford, Ontario  
 Canada N3T 5R2

Tel: (519) 756-6351

Fax: (519) 756-6351, ext. 306

■ One of the world's largest manufacturers of supermarket equipment, Husmann specializes in the design and production of refrigerated food merchandisers.

The wide range of Husmann equipment for the food industry includes reach-ins, single and multideck units and self-serve or service cases designed to meet every application in food stores, large and small.

The Husmann GWIT-G, a dual-temperature island model, caters to special merchandising needs. Ice cream and frozen foods can be displayed with fresh meats back to back because of the unit's dual-temperature feature. This versatility allows the arrangement of appealing combinations of high-impulse, high-profit frozen foods and popular meats in one convenient display area.

Husmann products feature adjustable display shelves, full-length lighting, high-efficiency insulation, easy installation and low maintenance. All are backed by coast-to-coast distribution and service in North America and affiliated distributors worldwide.

**Stanford Metal Products Ltd.**

4788 Christie Drive  
 Rossmore, Ontario  
 Canada L0R 1B0

Tel: (416) 563-8611

Fax: (416) 563-8585

**W.C. Wood Company Limited**

5 Amber Street South  
 Guelph, Ontario  
 Canada N1H 6L1

Tel: (519) 831-0901

Fax: (519) 831-0901

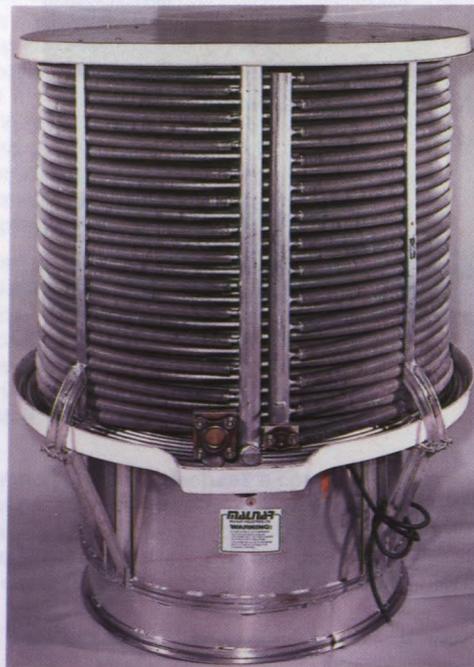


The Husmann GWIT-G twin-temperature island merchandiser has a 28 cm (11 in.) glass front that gives the customer an excellent view of the product.

**Malnar Industries Ltd.**  
 903 Marion Street  
 Winnipeg, Manitoba  
 Canada H2J 0K7  
 Tel: (204) 237-4881  
 Fax: (204) 233-6936

Malnar is an innovative manufacturer of high-performance industrial refrigeration equipment specifically designed for the food processing industry and cold storage facilities. Founded in 1971, Malnar today is recognized as a leader in the engineering and production of evaporators, condensers and chill-spray systems.

The Malnar AI-Jet Circular Evaporator is constructed of high-strength aluminum alloy to reduce weight, provide optimum corrosion resistance and a rapid rate of heat transfer. To increase evaporator efficiency, aluminum fins are spirally wound around the tubing of the AI-Jet at the rate of three to six per inch. A direct-drive axial fan circulates air at high volume with minimum horsepower. Available in several models, with capacities of up to 24 TR at 10° TD to suit existing and new plant installations, the AI-Jet offers the excellent design and quality



The Malnar product range includes innovative evaporators, condensers and chill-spray systems designed for the food processing industry and cold storage facilities.

**Graystone Energy Systems Inc.**  
 150 English Drive  
 Mississauga, Ontario  
 Canada E1E 4B7  
 Tel: (905) 853-3667  
 Fax: (905) 853-8014

that guarantee continuous operation with low energy consumption. Malnar custom produces the AI-Jet to meet specific requirements.

The Malnar Chill-Spray Systems with the AI-Jet Turbo Evaporator are famous for reducing product shrinkage. High-volume air circulation with precisely timed spray periods shorten the cooling time and reduce compressor operating costs.

The Malnar Kinetic Energy Condenser is the latest advance in high-efficiency condensers. Designed with a patented kinetic-energy return bend, the compact Malnar unit transfers heat faster, better and more economically at about half the size of traditional condensers.

**Metal Mend Inc.**  
 10025 - 143 Street  
 Surrey, British Columbia  
 Canada V3T 4S7  
 Tel: (604) 589-7100  
 Fax: (604) 581-4564

Metal Mend is a revolutionary product that repairs aluminum, copper, brass, bronze and other alloys in seconds. It is an all-metal solder with a bonding strength of 40 000 psi that is fast and easy to apply. Metal Mend has countless uses and is indispensable for pipe and coil repairs in refrigeration equipment.

The only repair tool required is a portable propane or butane torch or any other heat source with a 387°C (728°F) capacity. The area to be repaired is first cleaned with a solvent or brush, and heated. The Metal Mend rod is then gently rubbed over the heated crack or break. Within seconds, the tip of the rod begins to melt and bond onto the hot surface to complete the repair.

Demand for Metal Mend is growing throughout North America, Europe and Australia.

**Sandvik Process Systems Canada Limited**

510 Governors Road  
Guelph, Ontario  
Canada N1K 1E3

Tel: (519) 836-4322  
Fax: (519) 836-2177

■ Sandvik designs and manufactures in-line contact steel belt freezing systems that give hygienic fast freezing and high yield. The Sandvik system provides reliable, economical IQF processing. Among successful applications around the world are processes which handle products such as meat, poultry, fish fillets, whole herring, shrimp, portion size foods and liquids to be freeze-dried.

The smooth surface and excellent conductivity of the Sandvik stainless steel belt deliver a blemish-free product in reduced freezing times. In the Sandvik process, the surface of the food product is freeze-sealed first, helping to retain moisture, texture and colour. Compatible with existing refrigerant systems, the Sandvik contact freezer operates in refrigerated brine, air blast or combination of air blast/brine configurations. In the brine-based system, the brine refrigerant is pumped into tanks under the belt and recirculated through a heat exchanger, back to the freezer. The air blast contact freezer model blows refrigerated air at high velocities across both the product and the underside of the belt. Evaporation coils remove the absorbed heat before the air is returned to the product.

**Stamford Metal Products Ltd.**

4766 Christie Drive  
Beamsville, Ontario  
Canada L0R 1B0

Tel: (416) 563-8611  
Fax: (416) 563-6555

■ A major Canadian manufacturer of original equipment and replacement parts for the air conditioning and refrigeration industries, Stamford specializes in quality copper components.

High-capacity Stamford copper service dryers are designed to absorb maximum moisture and acids in refrigerators, freezers, air conditioners and small commercial units. Available in a full selection of sizes and styles, the Stamford service dryers feature a 100 per cent molecular sieve for optimum filtration, all copper shells and end tubes, hermetically sealed ends and bright finish.

The superior-quality Stamford copper component line includes distributors, connectors, strainers, access valves, charging valves, accumulators and assemblies.

Stamford products are exported worldwide.

**W.C. Wood Company Limited**

5 Arthur Street South  
Guelph, Ontario  
Canada N1H 6L9

Tel: (519) 821-0900  
Fax: (519) 821-4451

■ For more than 50 years, W.C. Wood has been a major Canadian home appliance manufacturer. Recognized for the quality, reliability, energy efficiency and long-service life of its products, the company remains at the forefront of the North American market today.

W.C. Wood prime products are chest and vertical freezers, dehumidifiers, humidifiers and range hoods, and all refrigerator models. The company's three manufacturing facilities are among the most highly automated and vertically integrated in the appliance industry. The injection moulding, plastic sheet extrusion, tube rolling, paint finishing, product testing and automated metal fabrication, incorporate the latest technological advances to ensure that the W.C. Wood product offers consumers top quality at a competitive price.

**Wolverine Tube (Canada) Inc.**  
 1010 Clarke Road  
 London, Ontario  
 Canada N5W 5S9  
 Tel: (519) 455-0770  
 Fax: (519) 455-9238

■ Wolverine Tube is one of North America's largest and best-known manufacturers of copper tubing for the refrigeration and air conditioning industry.

From stock, Wolverine offers straight length copper water tubing in sizes ranging from 0.6 to 10.5 cm (1/4 to 4 1/8 in.) OD in annealed and hard tempers. Coiled copper water tubing up to 30.5 m (100 ft.) in length is available in diameter sizes of 0.6 to 4 cm (1/4 to 1 1/2 in.) in annealed temper.

Standard ACR and nitro copper tubing is produced in hard temper in straight lengths of 3.7 and 6 m (12 and 20 ft.) in diameters ranging from 1 to 10.5 cm (3/8 to 4 1/8 in.).

Wolverine annealed copper refrigeration coils are supplied from stock in diameter sizes ranging from 1 to 2.2 cm (3/8 to 7/8 in.) in lengths of 15 m (50 ft.). Forge fin tubing is produced from copper and copper alloys by Wolverine in complex inner fin, duplex and rectangular tube shapes, in standard or custom-engineered lengths.

Wolverine exports its high-quality copper tubing products worldwide.



The Wolverine product range includes innovative: the evaporators, condensers and chill-coil systems designed for the food processing industry and cold storage facilities.

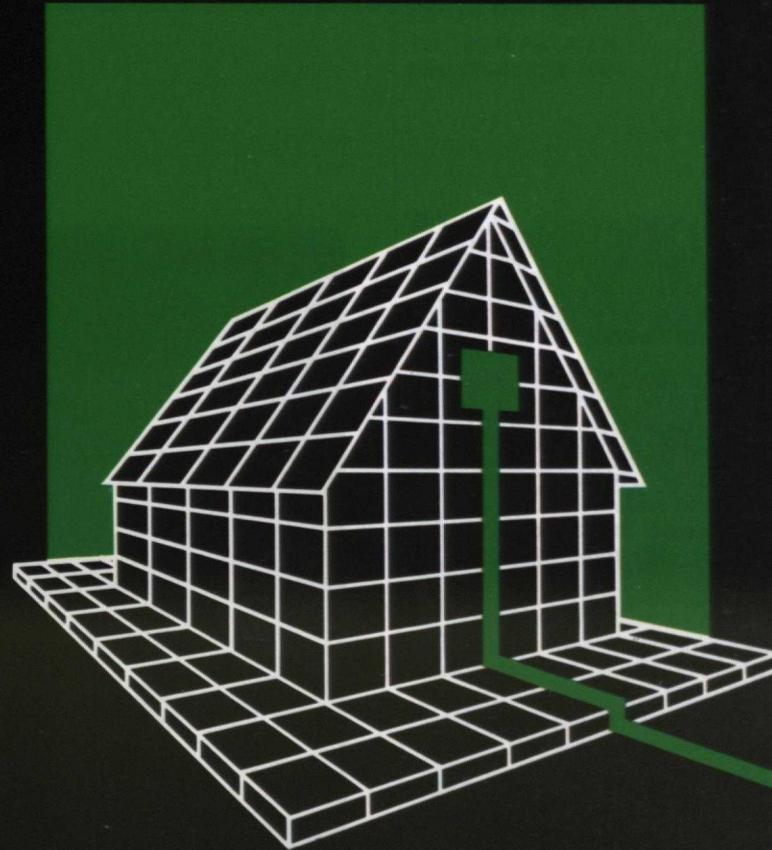
**Sandvik Process Systems Canada Limited**  
 510 Governors Road  
 Guelph, Ontario  
 Canada N1K 1E3  
 Tel: (519) 838-4322  
 Fax: (519) 838-2177

The Sandvik process system is a highly efficient, compact, and reliable system for the production of high-purity, high-strength copper tubing. The system is designed to produce tubing in a wide range of diameters and lengths, and is capable of producing tubing with a wide range of temperaments. The system is also capable of producing tubing with a wide range of surface finishes, and is capable of producing tubing with a wide range of mechanical properties. The system is designed to produce tubing in a wide range of diameters and lengths, and is capable of producing tubing with a wide range of temperaments. The system is also capable of producing tubing with a wide range of surface finishes, and is capable of producing tubing with a wide range of mechanical properties.

**Stamford Metal Products Ltd.**  
 4100 Christie Drive  
 Brampton, Ontario  
 Canada L6Y 1B3  
 Tel: (416) 883-8811  
 Fax: (416) 883-8882

The Stamford product range includes innovative: the evaporators, condensers and chill-coil systems designed for the food processing industry and cold storage facilities. The Stamford product range includes innovative: the evaporators, condensers and chill-coil systems designed for the food processing industry and cold storage facilities.

# Ventilation



**ACME Engineering Products Ltd.**  
 5706, rue Royalmount  
 Montréal, Québec  
 Canada H4P 1K5  
 Tel: (514) 342-5656  
 Fax: (514) 342-3131

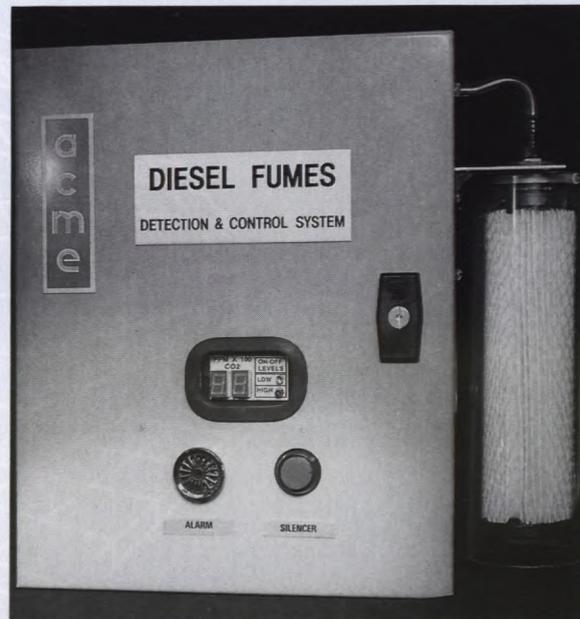
■ For more than 20 years, ACME Engineering has specialized in the design and manufacture of gas detectors for ventilation control and air quality in buildings. Today, the company remains a leader in fume detection and control equipment in North America.

The Carbon Monoxide system, designed for underground parking garages and to detect pollution caused by gasoline engines, is available as a single unit or multiplexed system. The single unit, based on fully electronic, solid state, factory-calibrated equipment, has an integral or remote sensor. The multiplexed system is capable of handling up to 16 individual sensor stations connected to one control panel using the same three wires for connecting all sensors.

The Carbon Dioxide control equipment incorporates a central processor unit that is programmed for supervision of carbon dioxide levels, outside air ventilation and indoor air quality, relating to the sick building syndrome, at up to four locations. It has the capability to generate six different command signals for each location.

The Diesel Fume detector from ACME Engineering monitors and controls indoor air quality in bus garages, truck terminals, loading docks, fire stations and military installations and detects diesel engine pollution in other environments. It incorporates a miniature infrared analyzer and the latest detection technology for determining the combined noxious effects of nitrogen oxides, sulphur dioxide, carbon monoxide and particulate matter. The rugged unit features operating and alarm levels and analog outputs for remote supervision. Its replaceable high-capacity filter protects the unit against particulates.

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The Diesel Fume detector from ACME Engineering incorporates a miniature infrared analyzer and the latest detection technology.

**AIRMART HVAC Inc.**  
 5159 Tomken Road  
 Mississauga, Ontario  
 Canada L4W 1P1  
 Tel: (416) 624-8281  
 Fax: (416) 238-9384

■ AIRMART developed one of the most advanced household fans on the North American market today, by using the latest technology and taking advantage of the versatility of plastics.

AIRMART's MR WHISPER™ fans, enclosed in moulded fire-retardant ABS housings to reduce noise and vibration, provide superior-quality ventilation at an affordable price. The company offers an excellent selection of bathroom and kitchen fans, multi-station fans, as well as range hoods and dryer boosters.

MR WHISPER™ bathroom fans have a capacity of up to 110 CFM and are designed for fast, money-saving 'snap-in' installation. All AIRMART products are ideal for the do-it-yourself homeowner.

**Aston Industries Inc.**  
 50, rue Courchesne  
 Saint-Léonard d'Aston, Québec  
 Canada J0C 1M0  
 Tel: (819) 399-2175  
 Fax: (819) 399-2612

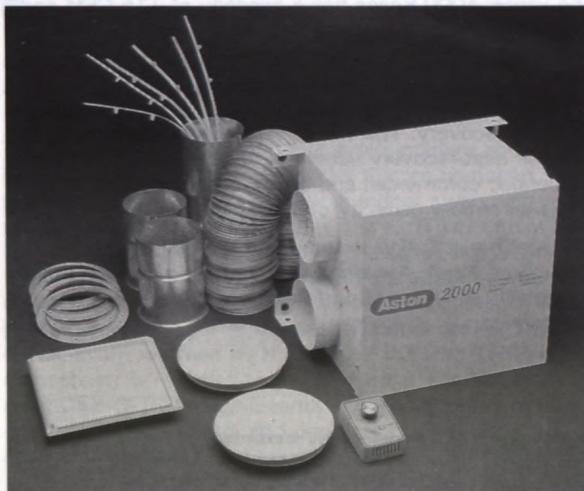
■ Aston Industries, established in 1952, manufactures excellent-quality heating, cooling and ventilation products for industrial, agricultural and domestic use.

Aston's product line includes domestic ventilation and humidity control systems that are adaptable to any house. The Aston 2000 Controlled Ventilation System expels excess humidity. The Aston 2200 Air Intake Unit and the Aston 2400 Heat Recovery Unit work in combination with the Aston 2000 to create a more complete ventilation system. Aston also manufactures numerous free-standing ventilators, louvres and shutters of various sizes and capacities.

To meet the public's increased concern about inside-the-house air pollution (particularly radon gas), Aston developed a range of heat exchangers that represent an economic solution for specific applications where HRV's are needed to improve inside air quality.

Aston custom manufactures a wide range of aluminum cross-flow heat exchanger cores for the OEM market. Designed for non-residential applications, demanding total separation of incoming and outgoing air flows, these high-quality Aston cores are resistant to high temperatures and have no cross contamination between air flows.

**Dectron Inc.**  
 4300, boulevard Poirier  
 Montréal, Québec  
 Canada H4R 2C5  
 Tel: (514) 334-9090  
 Fax: (514) 334-9154

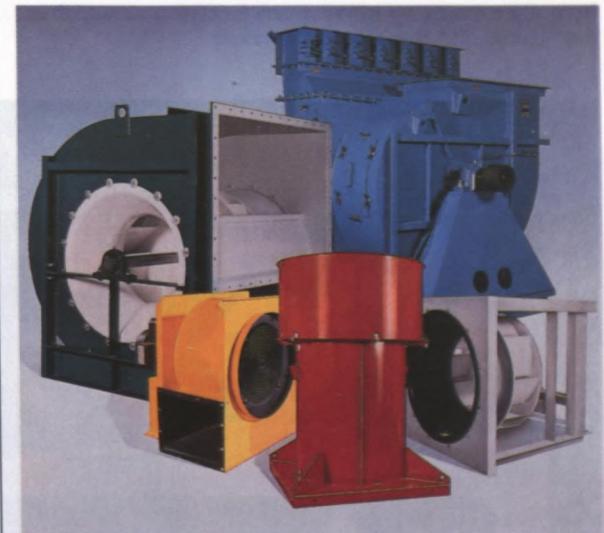


The economical Aston central evacuation system eliminates excess humidity and ventilates the home efficiently and quietly.

**CML Northern Blower Inc.**  
 901 Regent Avenue West  
 Winnipeg, Manitoba  
 Canada R2C 2Z8  
 Tel: (204) 222-4216  
 Fax: (204) 222-7601

■ CML Northern Blower is a recognized leader in the manufacture of air moving equipment. Northern Blower concentrates its efforts solely on the production of fans and blowers, and relies heavily on its research and design-engineering capabilities to serve the needs of its customers.

The Northern Blower product line ranges from small fractional fans to large 1 500 hp blowers. Installations of this equipment may be found across Canada and the continental United States in almost every conceivable application from industrial processes to commercial ventilation.



The diverse CML Northern Blower product line is designed for a multitude of industrial and commercial applications.

**Conservation Energy Systems**

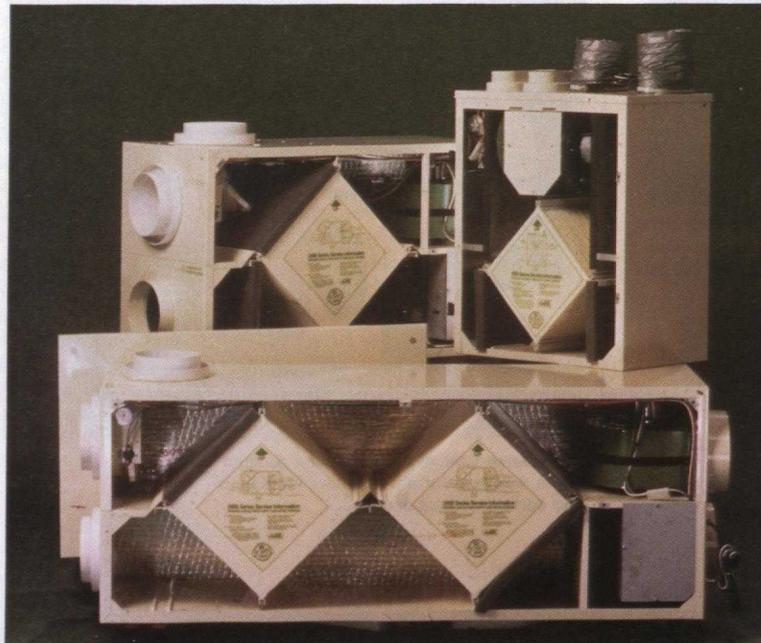
3310 Millar Avenue  
Saskatoon, Saskatchewan  
Canada S7K 7G9

Tel: (306) 242-3663

Fax: (306) 242-3484

■ Conservation Energy Systems (CES) is a leading manufacturer of residential and light industrial ventilation systems in North America.

Designed to reduce home air pollutants, the residential vanEE systems from CES solve indoor problems of high humidity, lingering odours and unpleasant, stale air. A powerful fan within the vanEE heat recovery ventilator brings fresh outside air through a filter to the heat exchange core. At the same time another fan draws unwanted exhaust air from bathrooms, kitchen and other rooms and channels it through alternate passages to the same core. Without mixing together, the two air streams pass each other so that the heat is transferred from the exhaust air to warm the incoming air which is then distributed throughout the house.



CES manufactures residential and light industrial ventilation systems that solve high humidity, lingering odour and stale air problems.

The vanEE 1000 Series has a capacity of 115 CFM and is sized to match upper cabinets for a concealed installation in single rooms, mobile homes and small houses. The powerful vanEE 2000 Plus, designed for large homes, is super-efficient with up to 95 per cent apparent heat recovery. The vanEE 7000 Series is a multi-purpose heat-recovery ventilator engineered for large residential, commercial and light industrial applications. It has an airflow capacity of 700 CFM.

The vanEE ventilation systems are in great demand throughout North America because they offer exceptional reliability in terms of performance, engineering design and service.

**Conserval Engineering Inc.**

200 Wildcat Road  
Downsview, Ontario  
Canada M3J 2N5

Tel: (416) 661-7057

Fax: (416) 661-7146

■ Conserval designs and builds SOLARWALL® industrial and commercial make-up air systems.

The SOLARWALL® system uses previously unused process heat in the building and solar energy collected from the south wall to heat the outside air and distribute it throughout the facility. Specially designed high-efficiency jet fan units, installed at regular intervals along the wall near the roof, draw outside air over the SOLARWALL® to absorb the solar heat from the siding and distribute the heated air throughout the plant. The air mixes with the hot stratified air and falls to the floor level, warming the work areas. This steady supply of outside air corrects the negative pressure problem and stops the infiltration of cold air.

The SOLARWALL® is a cost-competitive, energy-efficient alternative to fossil fuel-fired make-up heating. Conserval offers complete engineering, equipment and contracting services for the SOLARWALL® systems.

Major SOLARWALL® installations with fresh air supply capabilities of up to 350 000 CFM are operating in North America and Europe.



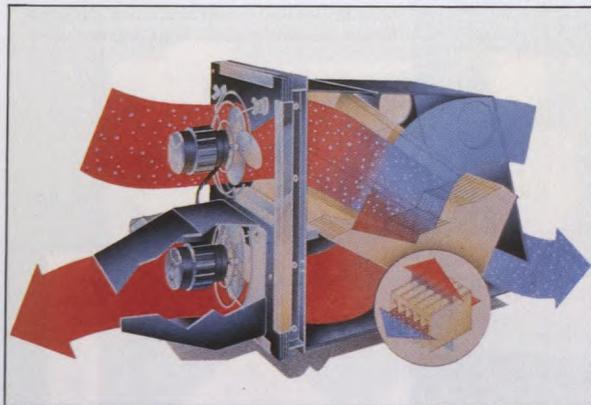
**Del-Air Systems Ltd.**  
 P.O. Box 2500  
 Humboldt, Saskatchewan  
 Canada S0K 2A0  
 Tel: (306) 682-5011  
 Fax: (306) 682-5559

■ The developer of the wall-mounted heat exchanger, Del-Air Systems today, is the number one producer of agricultural heat exchangers in North America. The innovative, efficient and easy-to-operate Del-Air model is the only effective and reliable unit of its type on the market.

By using conserved animal heat to prewarm incoming air, the Del-Air heat exchanger reduces and often eliminates the need for supplemental heating in stables and stockyard buildings. The heat exchanger also expels excess moisture and foul air and creates a drier, healthier environment for farm animals.

The Del-Air heat exchanger requires no drainage or duct work and offers such features as corrosion-resistant plastic housing and core; automatic defrosting; and easy cleaning and minimum maintenance.

Sold throughout North America and in many countries of Europe and Asia, the Del-Air heat exchanger is backed by a limited warranty.



The innovative Del-Air wall-mounted heat exchanger, designed for agricultural applications, is one of the most efficient and popular in North America.

**Delta Controls Inc.**  
 13520 - 78th Avenue  
 Surrey, British Columbia  
 Canada V3W 8J6  
 Tel: (604) 590-8184  
 Fax: (604) 590-1304

■ Delta's stand-alone Building Management System (BMS) economically and effectively offers true distributed intelligence for air handling to the individual room level, in small buildings and large complexes alike.

The system includes INTELLICON panels for the control of main air handling units, boilers and chillers and INTELLIZONE controllers for heat pumps, unit ventilators and VAV terminal units. INTELLICON panels communicate with each other on a peer-to-peer basis at the rate of 1 000 000 bits/s and with INTELLIZONE controllers at a rate of 38 400 bits/s.

Delta's versatile system can be accessed through a full-feature command line, a user-defineable menu system, or fast mouse-driven Dynamic Colour Graphics. These three interfaces are fully integrated to enable the operator to switch easily from one to another. The software

package offers password security, time-of-day or year scheduling, DDC controllers, optimized start, load shedding, logging and totalization.

The system's self-documenting English-like General Control Language, complete with full screen editor, allows the operator to readily create and modify custom programs to control fans, boilers, chillers and terminal units. An on-line Historian collects and stores long-term data from the Building Management System.

Delta Controls also provides a full line of computerized control equipment and support devices such as sensors, actuators, valves and transducers.



BMS, the building management system designed by Delta Controls, combines sophisticated controls with full-featured software and offers true distributed intelligence to the individual room level.

**Engineering Dynamics Ltd.**

R.R. #1, Highway 15,  
Carleton Place, Ontario  
Canada K7C 3P1

Tel: (613) 257-5450  
Fax: (613) 257-7397

■ The Engineering Dynamic line of Electronic Air Filters rates among the most effective indoor air pollution controls on the market.

Based on a revolutionary filtration concept, Dynamic Electronic Air Filters operate on the principle of "electrostatic polarization." An electrostatic field is generated within the filter, polarizing both the fibreglass media and the airborne particles. Much like metal filings near a magnet, airborne particles are captured by the fibreglass strands.

The Dynamic line consists of standard and custom-sized filters, overhead ceiling-mounted units and a floor console model. The company also manufactures filters for OEM applications.

Dynamic installations include residential housing, complete office buildings, factories, lunchrooms, bars and smoking rooms in North American, Far Eastern and European markets.



The ceiling-mount and floor models of the Dynamic Electronic Air Filter are available with 2.5 cm (1 in.) and 5 cm (2 in.) panel thicknesses.

**Environment Air Ltd.**

P.O. Box 10  
Cacagne, New Brunswick  
Canada E0A 1K0

Tel: (506) 576-6672  
Fax: (506) 576-9838

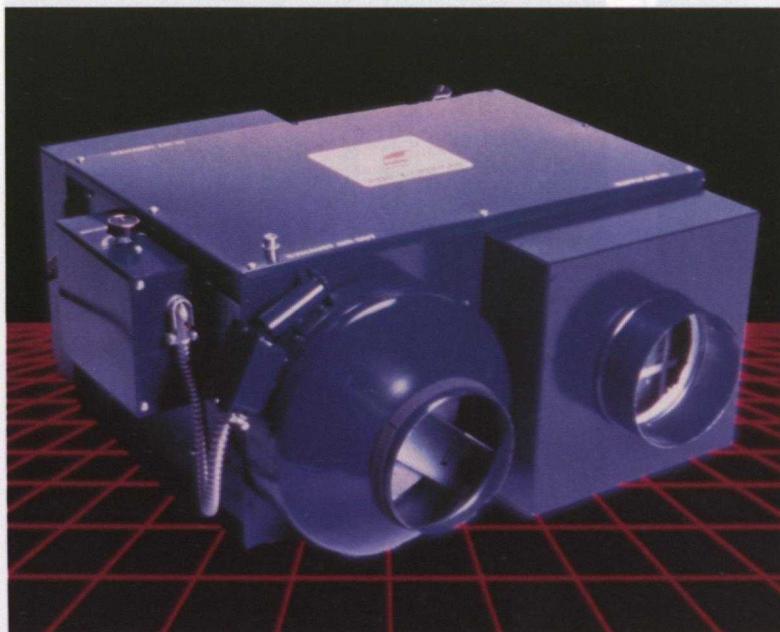
■ The ENVIRO HEAT-X-CHANGER manufactured by Environment Air is a high-efficiency heat recovery ventilator for the home or office. It eliminates condensation, odours and contaminants and effectively transfers up to 80 per cent of the heat contained in exhausted air to the incoming fresh air.

The ENVIRO HEAT-X-CHANGER is based on the heat pipe system of heat exchanger which is considered to be among the most efficient, reliable and balanced mechanical ventilators. It offers such features as compact size; rubber-mounted blower for quiet operation; automatic self-defrost; disposable fibreglass filters; enamel-coated steel casing with an insulation liner and winter/summer mode applications.

Designed for apartments and small offices, Model ENV-W60 in the ENVIRO HEAT-X-CHANGER line has a

capacity of 85 CFM and requires no ducting. The high-performance Model ENV-100 is specifically designed to provide adequate balanced ventilation in newly constructed, air-tight homes. It can be installed in the house duct system in the attic or cold space. Models in the ENV-K Series operate on a duct system and supply up to 600 CFM, sufficient to ventilate up to 929 m<sup>2</sup> (10 000 sq. ft.) of home or office.

Environment Air is a young aggressive company that supports its excellent product with full warranty and service.



The Environment Air high-efficiency heat recovery ventilator, produced in a broad range of models and sizes for the home, apartment or office.

**Five Seasons Comfort Limited**

351 North Rivermede Road  
 Concord, Ontario  
 Canada L4K 3N2

Tel: (416) 669-5620  
 Fax: (416) 669-5356

For more than 25 years, Five Seasons Comfort and its sister company, Electro-Air Canada, have been producing high-efficiency electronic air purification equipment for home and commercial use.

At their large modern production facilities, the companies design, develop and fabricate all products totally in-house, including the electronics to meet the requirements of the domestic and export markets. As a result, the air purifiers marketed under the Five Seasons and Electro-Air labels offer exceptional quality, reliability and service.

Together with Electro-Air, Five Seasons Comfort manufactures a comprehensive line of portable air cleaners/



Electric air purification equipment from Five Seasons Comfort includes portable cleaners/ionizers and smoke removers for many varied applications.

Delta Controls Inc. Environment Air Ltd.  
 12820 - 7th Avenue P.O. Box 10  
 Surrey, British Columbia Coquitlam, New Brunswick  
 Canada V3W 5A8 Canada E0A 1H0  
 Tel: (604) 599-1804 Tel: (508) 878-6875  
 Fax: (604) 599-3374 Fax: (508) 878-8838

ionizers for the home and office; ceiling-mounted commercial smoke removers for bars, restaurants, lunchrooms, recreation halls and offices, and powerful industrial air cleaners for the capture of dust, welding fumes and oil mist.

Five Seasons Comfort markets its products worldwide and is interested in expanding its distributor network in Europe and Asia.



**IAQ Indoor Air Quality Services Inc.**

R.R. #1  
 Orangeville, Ontario  
 Canada L9W 2Y8

Tel: (519) 942-1901  
 Fax: (519) 942-1910

IAQ Services manufactures the Powlesland Tangential Blower, a unique air handling device that represents one of the most significant advances in fan and blower design in recent years.

The Powlesland Tangential Blower typically incorporates a 25 cm (10 in.) diameter by 1.8 m (6 ft.) long rotor which, when coupled together, forms a continuous air stream through a 20 cm (8 in.) slot up to 8 m (27 ft.) long. The 7.6 cm (3 in.) wide, air-foil shaped, adjustable extruded aluminum vanes provide complete flow control at near-laminar conditions.

The powerful Powlesland Tangential Blower functions as an air curtain and creates a moving stream of air to cover openings such as shipping doorways and oven, cooler and freezer doors. It dramatically reduces convection energy losses and improves the work environment.

The long low profile of the Powlesland Tangential Blower offers such advantages as a process cooling or drying fan where standard fan configurations are not practical.

IAQ custom designs and fabricates Powlesland Tangential Blower models based on more than 20 years of successful installations.



The IAQ Tangential Blower System represents a significant advance in fan and blower design.

**M & I Heat Transfer Products Ltd.**  
 1375 Aimco Boulevard, Units 9 and 10  
 Mississauga, Ontario  
 Canada L4W 1B5

Tel: (416) 625-8551  
 Fax: (416) 625-0846

■ M & I is a major Canadian manufacturer of positive seal dampers, air valves, fan systems and under-window terminal reheat units, for commercial and industrial applications.

The disc-shaped positive seal damper produced by M & I for office buildings, hospitals and other commercial buildings, reduces energy costs because it is virtually leak-proof.

For industrial uses ranging from biological laboratories to nuclear generating stations, M & I produces air-tight positive seal dampers in both circular and square housings. The M & I square industrial positive seal damper is designed for use as a single damper in duct-work, or grouped to form a rectangular bank of virtually any size. It is produced in 30.5 cm, 61 cm and 91.6 cm (12 in., 24 in. and 36 in.) modules. Available in diameter sizes of 30.5 cm, 61 cm, 91.6 cm, 122.1 cm (48 in.) and 152.7 cm (60 in.), the rugged M & I circular steel valve is equipped with two flanges for easy field connection to ANSI flanges around ducts and pipes.

M & I also manufactures variable air volume and constant air volume pressure independent valves that are factory calibrated and can easily be readjusted in the field without special tools. These valves are made of aluminum or of corrosion-resistant materials for aggressive environments.

The modular Space-Gain axial fan system is a revolutionary HVAC system complete with silencers, filters, cooling coils, fans and other accessories. It has a capacity of up to 200 000 CFM and offers energy savings, space savings, noise absorption, low vibration, easy maintenance and outstanding efficiency. Every system is custom adapted to specific environmental needs.

The Under-Window Terminal Reheat Unit from M & I is bacteria-free and designed to prevent the spread of disease through heating systems in hospitals. It is a factory-calibrated, constant flow type unit and does not require any pneumatic or electric controls.

**M.K. Plastics Corp.**  
 57, rue Queen  
 Montréal, Québec  
 Canada H3C 2N6

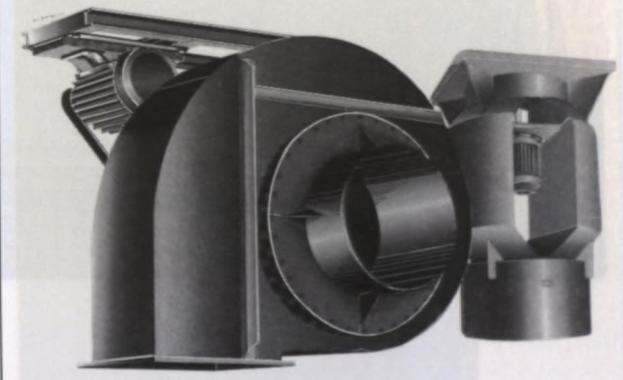
Tel: (514) 871-9999  
 Fax: (514) 871-1753

■ Recognized throughout North America for the excellent quality and high efficiency of its plastic fans and blowers, M.K. Plastics manufactures an extensive selection of models for commercial and industrial applications.

The company produces a wide range of centrifugal and axial fans capable of moving up to 100 000 CFM at 50.8 cm (20 in.) SP. The quiet, super-efficient centrifugal units have high-strength polypropylene impellers, rigid welded PVC or fibreglass-reinforced plastic casing with flanged inlets and outlets, depending on service requirements.

The axial bifurcated-type fans are manufactured by M.K. Plastics in 12 sizes up to 91 cm (36 in.) in diameter. The inline fan has a single- or two-stage polypropylene impeller and is available with direct or belt drive and PVC, polypropylene or fibreglass-reinforced casing. It can be installed at any convenient angle.

Hospitals, laboratories, universities and industries in North America specify fans and blowers made by M.K. Plastics because of their dependable quality and long service life.



The centrifugal and axial plastic fans and blowers from M.K. Plastics are capable of moving up to 100 000 CFM at 50.8 cm (20 in.) SP.

**McCarthy Robinson Inc.**

321 Progress Avenue  
 Scarborough, Ontario  
 Canada M1P 2Z7

Tel: (416) 298-1630

Fax: (416) 298-4305

■ McCarthy Robinson is a well-known Canadian engineering and manufacturing firm specializing in filtration, ventilation and energy conservation products for industrial and commercial applications.

The company's recognized expertise in air filtration has created air supply products that offer low-cost filtered ventilation air for buildings, warehouses and plants.

McCarthy Robinson manufactures a variety of filtration options including mist eliminators, bag filters, HEPA filters, panel filters and chemical filters. The unique, continuously self-cleaning pre-filter from McCarthy Robinson

dramatically improves the efficiency and extends the service life of downstream filters.

In the McCarthy Robinson product, the filters, fans and motors are enclosed in all-weather, galvanized steel housings for convenient indoor or outdoor (rooftop) installation.

McCarthy Robinson maintains sales offices across Canada and is represented in key cities of the United States. Quality and service are what McCarthy Robinson knows best.



The McCarthy Robinson air supply systems are custom-engineered for specific industrial applications.

**Multi-Jet Corporation**

100 Sheldon Drive, Unit 14  
 Cambridge, Ontario  
 Canada N1R 7S7

Tel: (519) 740-6041

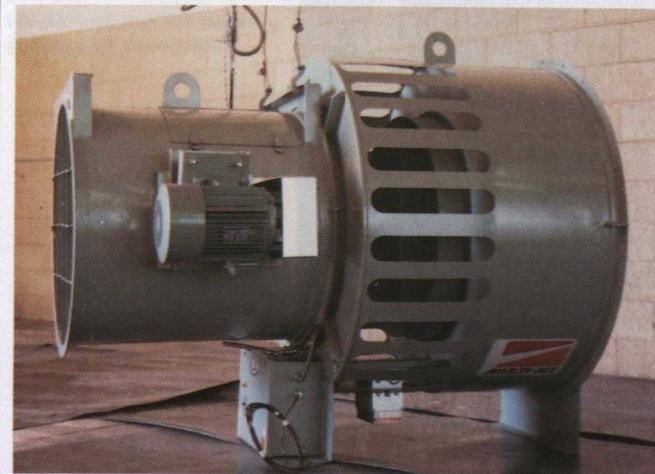
Fax: (514) 740-6393

■ Multi-Jet Corporation designs and manufactures the Multi-Jet Unit, an innovative three-in-one industrial energy conservation system that provides make-up air, evaporative cooling and heat recovery.

Multi-Jet Unit captures hot air at ceiling level and from the building exhaust system to significantly reduce heating costs. A unique modulation cylinder in the unit automatically controls, according to temperature setting, the mixture of warm and cool air distributed in the building. By adjusting the temperature setting, Multi-Jet reduces energy costs through heat recovery in the winter, and evaporative cooling in the summer months.

The Multi-Jet eliminates negative pressure, improves air circulation and air quality, and saves energy. Made of high-strength steel, the unit is designed for dependable, quiet operation and trouble-free service.

To date, system applications of the Multi-Jet system range from foundries to warehouses; from 251 m<sup>2</sup> (2 700 sq. ft.) to 185 800 m<sup>2</sup> (2 million sq. ft.) plants; and from 4 000 CFM to 250 000 CFM capacities.



Freston-Brock Manufacturing Co. Ltd.  
 1287 Industrial Road  
 Cambridge, Ontario  
 Canada N3H 4T8  
 Tel: (519) 883-7128  
 Fax: (519) 883-4781



The three-in-one Multi-Jet System provides make-up air, evaporative cooling and heat recovery.

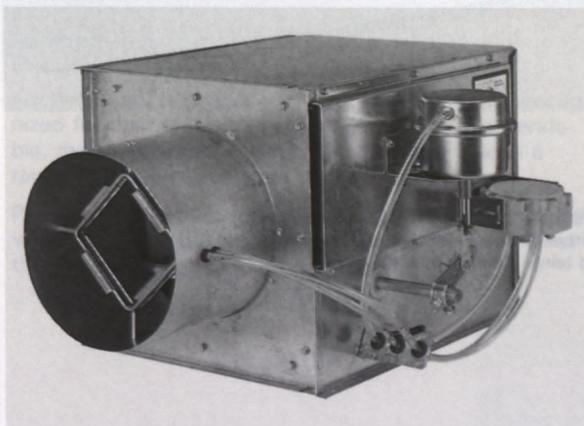
**Nailor-Hart Industries Inc.**

62 Arrow Road  
 Weston, Ontario  
 Canada M9M 2L8  
 Tel: (416) 744-3300  
 Fax: (416) 744-3360

■ Innovative and unique, Nailor-Hart is the only Canadian manufacturer of both air distribution and air control products, fully integrated to suit client needs. The company's product mix offers a truly complete line of ceiling protective packaged products that combine fire, smoke and ceiling dampers with a wide range of air distribution systems.

The company is best known for such products as VAV terminal units; ceiling air diffusers; plenum slot diffusers; grilles and registers; linear diffusers; duct access doors; fire dampers; fire/smoke dampers; ceiling radiation dampers; volume-control dampers; backdraft dampers; and combination fire-rated assemblies.

Nailor-Hart manufactures in 11 factories located in three countries, to service North America, Western Europe, the Middle East and Far East. The company's success is the result of its concentrated effort, not only to meet, but to exceed the expectations of its clients throughout the world.



Nailor-Hart is best known for its superior-quality variable air volume terminal units.

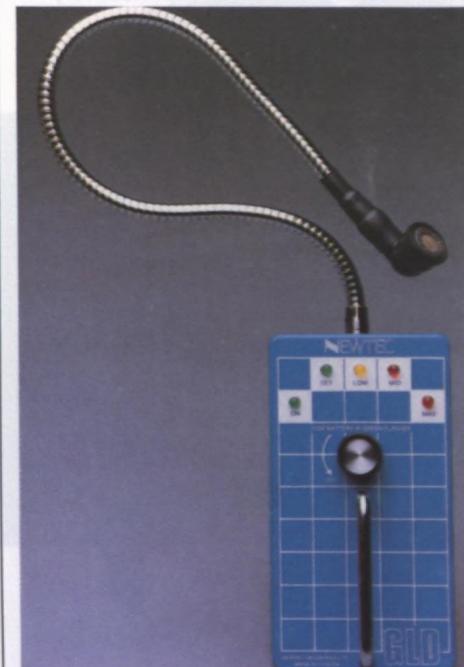
**Newtec Industries Ltd.**

117 - 980 West 1st Street  
 North Vancouver, British Columbia  
 Canada V7P 3N4  
 Tel: (604) 983-2864  
 Fax: (604) 983-2891

■ Newtec is North America's largest manufacturer of portable, electronic gas leak detectors, designed for a wide variety of applications in the heating, refrigeration, automotive, marine and aviation industries.

Based on its own research and development findings, Newtec manufactures the most advanced instrumentation for carbon monoxide detection, circuit design, hydrocarbon gas detection, sensor handling and processing, liquid volume sensing, alcohol sensing and thin/film sputtering controls.

The company markets its easy-to-use gas leak detection products in North America, Europe, Asia, the Middle East and Australia.



The portable, electronic Newtec gas leak detectors are fast, accurate and easy to use.

**Nutech Energy Systems Inc.**

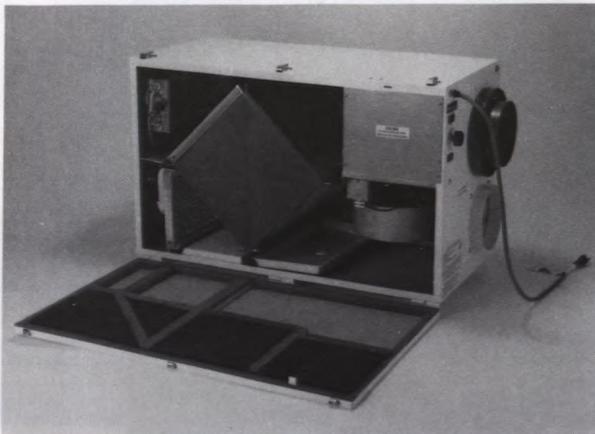
124 Newbold Court  
 London, Ontario  
 Canada N6E 1Z7

Tel: (519) 686-0797  
 Fax: (519) 685-9800

Product quality, innovative ideas, extensive research and solid service have established Nutech's enviable reputation in the residential ventilation field.

The LIFE BREATH™ Heat Recovery Ventilators (HRV) from Nutech provide fresh clean outside air, without sacrificing the savings of an energy-efficient home. Powerful centrifugal blowers bring the fresh air into the home and exhaust stale humid indoor air in equal amounts. Both air streams pass through a patented aluminum, thermally conductive heat exchange core where the energy in the exhaust air is efficiently transferred to the incoming fresh air. An air duct system supplies the fresh air from the ventilator throughout the home.

The advantages of the LIFE BREATH™ Heat Recovery Ventilator are: powerful quiet operation; built-in dehumidistat control; remote dehumidistat and timers; easy-to-clean filters; and safe fireproof core.



Nutech offers an excellent selection of HRV models capable of ventilating homes up to 325 m<sup>2</sup> (3 500 sq. ft.) in area at efficiencies of 70 per cent, and recovering up to 94 per cent of the heat from the exhausted air.

Nutech products are marketed in Canada and the United States.



**LIFE BREATH™ is an efficient heat recovery system that saves energy, eliminates odours and brings fresh air into the home.**

**Preston-Brock Manufacturing Co. Ltd.**

1297 Industrial Road  
 Cambridge, Ontario  
 Canada N3H 4T8

Tel: (519) 653-7129  
 Fax: (519) 653-4781

Since 1940, Preston-Brock has been manufacturing efficient heating and ventilation equipment for the residential and commercial markets.

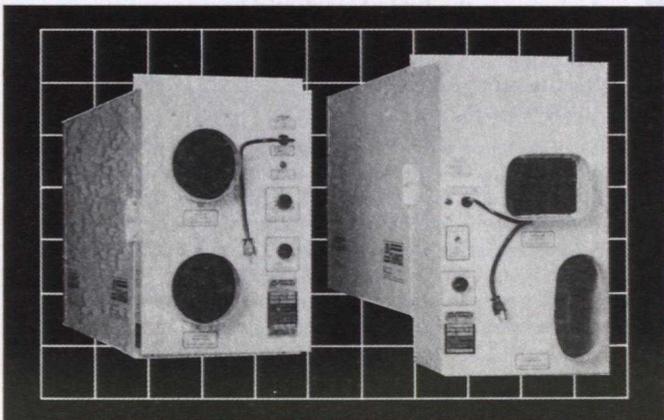
The company's range of gas, oil and electric furnaces includes horizontal, up-flow, down-flow, high-boy and low-boy models designed to provide the economy and reliability homeowners look for.

The Preston-Brock Air Changer® heat recovery ventilator is engineered to remove condensation, odours and such contaminants as formaldehyde, carbon dioxide and radon from today's well-insulated homes. The Air Changer® exhausts stale air and brings in fresh outside air. It uses the heat from the outgoing air to warm up the incoming air. The high-efficiency unit saves up to 96 per cent of the heat that is normally wasted in exhaust air.

The compact Air Changer®, protected by a rugged housing, consists of a case-core unit and a warm-end panel containing the air moving and control assembly. Preston-Brock offers a choice of Air Changer® models with 150 CFM and 275 CFM capacity to meet the requirements of residential and small commercial applications.

3126 Heat Exchangers  
 2103 - 1375 Broadway Street  
 Fort Collins, North Carolina  
 Canada V3C 2M5  
 Tel: (804) 842-0828  
 Fax: (804) 943-0788

3126 Heat Exchangers  
 Division of Strong Equipment Corporation  
 1185 Parkin Boulevard, Unit 18  
 Cambridge, Ontario  
 Canada N1R 1Y8  
 Tel: (519) 821-1800  
 Fax: (519) 823-3428



The Air Changer® heat recovery ventilator eliminates odours, condensation and other air contaminants in the home.

**Reversomatic Heating & Manufacturing Ltd.**

790 Rowntree Dairy Road  
 Woodbridge, Ontario  
 Canada L4L 5V3

Tel: (416) 851-0701

Fax: (416) 851-8376

■ Reversomatic manufactures a full range of exhaust fans for bathrooms, kitchens and specialty applications in the residential and commercial markets.

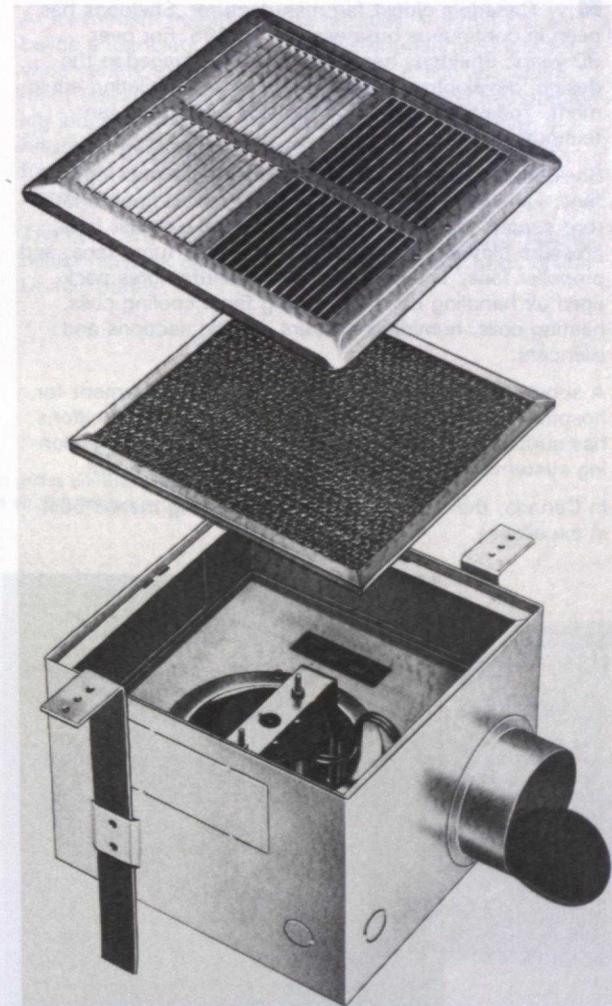
Available in a full range of sizes capable of moving 60 CFM to 400 CFM of air, Reversomatic fans are noted for their efficient design, excellent construction and dependable service. All parts of the Reversomatic fan are made of steel for extra strength and durability. The motor is totally enclosed to protect it from dust and to reduce its noise in operation. All hidden portions of the fan assembly are finished with baked-on enamel primer to eliminate any danger of corrosion. The attractive grill cover over the fan is made of aluminum with a baked-on finish. Colour choice of finish is available on special order.

The large Reversomatic fans can be installed in one room with exhaust inlets to other rooms. The ventilating effect is then felt throughout the entire area.

Reversomatic also produces backward inclined blade centrifugal fans from 76 to 153 cm (30 to 60 in.) and powerful exhaust fans for elevators, underground garages, furnace rooms and similar applications.

Kitchen range hoods, made by Reversomatic, are recognized for their efficiency, quiet operation and dependable, maintenance-free service. They are available in a range of decorator colours.

Reversomatic is especially well-known in eastern Canada where it dominates the exhaust fan market because of the exceptional quality of its products.



The Reversomatic XL Series fan cuts costs because it is designed to exhaust both the bathroom and the kitchen.

**Sheldons Engineering**  
 Division of Strong Equipment Corporation  
 1185 Franklin Boulevard, Unit #8  
 Cambridge, Ontario  
 Canada N1R 7Y5  
 Tel: (519) 621-1800  
 Fax: (519) 622-3456

■ Canada's oldest fan manufacturer, Sheldons has been in continuous business since 1896. For over 90 years, Sheldons has been actively engaged in the design, development and production of ventilating equipment. Today, the company remains a leader in fan technology.

Sheldons' extensive product line includes centrifugal fans; vane-axial and tube-axial fans; mixed-flow fans; roof supply and exhaust fans; industrial exhaust fans; pressure blowers; venturis, FRP and PVC fume fans; and propeller fans. The company also manufactures packaged air handling units containing fans, cooling coils, heating coils, humidifiers, filters, mixing sections and silencers.

A specialist in custom-designed and built equipment for hospitals, institutions and similar applications, Sheldons has supplied equipment for ventilation and air conditioning systems for major projects from coast to coast.

In Canada, the name Sheldons Engineering means built-in excellence.



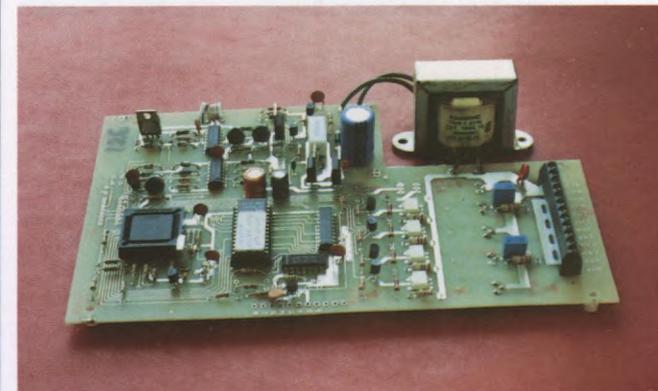
Specialists in ventilation equipment, Sheldons manufactures high-pressure turbo blowers, centrifugal utility sets, in-line valve axial fans, air handling units and in-line centrifugal fans.

**Star Heat Exchangers**  
 B109 - 1772 Broadway Street  
 Port Coquitlam, British Columbia  
 Canada V3C 2M8  
 Tel: (604) 942-0525  
 Fax: (604) 942-0769

■ A pioneer in the field of residential heat recovery ventilators (HRV), Star takes advantage of its research and development findings and computer-aided design capabilities to produce one of the most effective HRV units on the market.

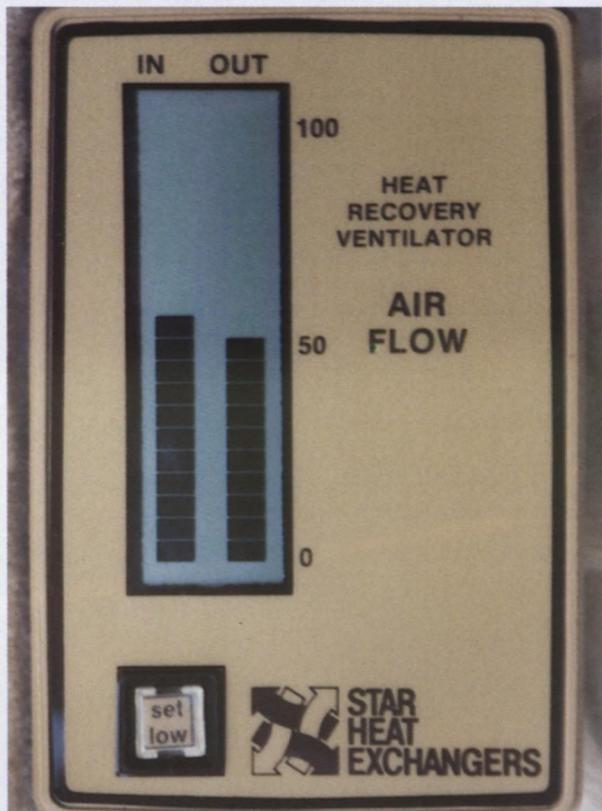
The Star HRV series efficiently and economically eliminates the threat from moisture and pollutants in the home by exhausting stale, humid air right at the source and delivering fresh, filtered outside air in its place. The Star HRV models offer a flow capacity of up to 250 CFM. Star HRV models 165, 200 and 300 each have a rugged, compact high-efficiency interfaced heat transfer core; maintenance-free sealed ball bearing axial fans; disposable high-efficiency intake and exhaust filters; and variable speed, automatic defrost controls. Options include computerized controls, dehumidistat, pollution sensors for radon and other substances and remote mounted manual or electronic overrides.

Star supports its well-designed, reliable products with a generous five-year warranty on the complete unit.



# Air Conditioning

**Venmar Lisi Inc.**  
 3172, rue Joseph Dubreuil  
 Lachine, Québec  
 Canada H8T 3H5  
 Tel: (514) 631-2530  
 Fax: (514) 631-2537



The high-efficiency Star heat recovery ventilators offer such options as computerized controls, dehumidistat and radon sensors.

■ Venmar Lisi manufactures and distributes commercial and industrial air handling, treatment and distribution products. For hotels, airports, office buildings and apartment blocks, the company produces Mark Hot diversified ventilating and air conditioning equipment including efficient VAV compartmental units, multizone conditioners, energy recovery coils and full mechanical penthouse installations. The Mark Hot line of commercial products includes fans, special process coils and custom-built units for air treatment. For retrofits, Venmar Lisi offers the low-cost Varimark II fan volume control. The Mark Air Valve is an independent air valve that corrects dual ducts and induction units system.



Louvres, diffusers and grilles are just a sample of the company's fine air distribution products.

At its modern manufacturing facilities, Venmar Lisi also builds a complete range of air distribution products for a wide variety of applications, such as office and apartment buildings, shopping malls, schools and manufacturing industries. These include an excellent selection of return air grilles and registers, louvres and supply diffusers designed for variable and constant volume air distribution.

The company markets its products through an efficient dealer network across Canada and in many parts of the United States.



**Venmar Ventilation Inc.**

1715, rue Haggerty  
 Drummondville, Québec  
 Canada J2C 5E5

Tel: (819) 477-6226  
 Fax: (819) 474-3066

■ The largest manufacturer and the leading distributor of residential ventilation systems in Canada, Venmar produces state-of-the-art heat recovery ventilators designed to complement the homeowner's heating system.

The Venmar HRV 3055, offered as 'standard' or 'auto' models, is designed for ventilating homes with up to nine rooms. The unit's high-strength polypropylene heat recovery core has a large exchange area and offers superior durability and ease of maintenance. The Venmar HRV 3055 models are equipped with a unique multi-cycle defrost system that ensures maximum heat recovery by adjusting the defrost frequency to the outside temperature. All HRV functions are electronically controlled to enhance the system's overall dependability. The Venmar HRV 3055 'standard' has two mechanical filters that catch the dust from the air as it passes through the ventilation system. The 'auto' model has an additional air ionizer that picks up even finer particles and neutralizes some odours.

Similar to the Venmar HRV 3055 in construction, the larger, more powerful Venmar HRV 5585 has a higher ventilation capacity and operates on two PSC motors.

Both Venmar HRV 3055 and 5585 'auto' models are equipped with an advanced wall control unit that has a dehumidistat, a switch to control the air ionizer and different modes of operation to meet specific ventilation requirements.

Venmar supports its excellent-quality products with reliable service.



Venmar produces its heat recovery ventilators for homes of every size.

**Vibron Limited**

1720 Meyerside Drive  
 Mississauga, Ontario  
 Canada L5T 1A3

Tel: (416) 670-4922  
 Fax: (416) 670-1698

■ Specialist in the control of noise and vibration, Vibron is renowned for its quality products, technical capabilities, creative product development and ability to solve problems.

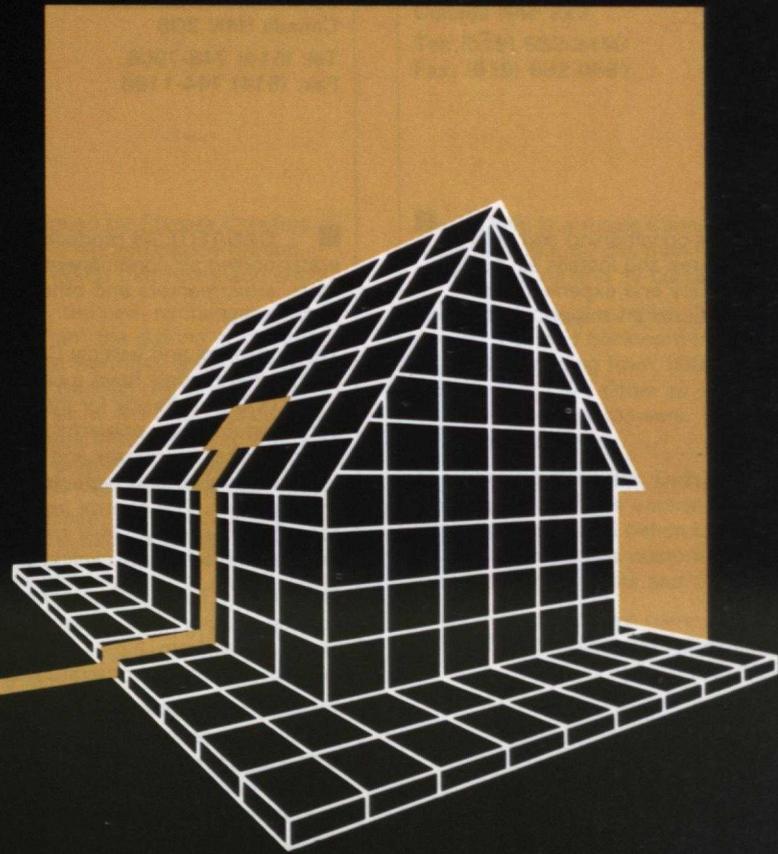
For air handling systems, Vibron manufactures a variety of noise control products including rectangular duct silencers with acoustic baffles; circular silencers with or without a centre acoustic bullet; and acoustic plenums, as well as custom-designed models.

To contain noise within industrial or commercial buildings, Vibron offers acoustic louvres for damping noise from air intakes or exhaust openings and other applications.

To dampen vibration in commercial and industrial applications, Vibron manufactures spring vibration isolation, pad vibration isolation and concrete inertia bases.

Vibron provides specialized engineering consulting services in environmental noise, architectural acoustics and other noise and vibration control applications.

# Air Conditioning



**Axewood Company Ltd.**

1788 - 10 Drew Road  
Mississauga, Ontario  
Canada L5S 1L7

Tel: (416) 673-1886

Fax: (416) 673-1889

■ Axewood contracts air conditioning and cold storage systems, and fabricates and installs air ducts. The company has the capability and experience to support contracts valued at up to \$1 million.

**CANAIRTECH Inc.**

405, boulevard Montpellier  
Saint-Laurent, Québec  
Canada H4N 2G6

Tel: (514) 748-7906

Fax: (514) 744-1180

■ CANAIRTECH produces an extensive line of water-cooled air conditioners and heat pumps for restaurants, supermarkets and other demanding commercial applications.

The horizontal and vertical CANAIRTECH package air conditioner models have a capacity ranging from 9 000 to 65 000 Btu. Ready for installation, these units offer such features as a powerful blower, three-speed blower motor, water condenser and factory installed water regulating valve, and high-pressure and low-pressure limit controls. The control panel includes compressor contactor, fan relay, 24-V transformer and an impedance relay to prevent short cycling of the compressor.

The CANAIRTECH refrigeration units designed for cold storage counters and coolers are available in a full range of capacities from 1½ to 10 hp suitable for low-, medium- and high-temperature service.

For the residential market, CANAIRTECH produces compact water-cooled air conditioners ranging from 2 032 to 4 064 kg (2 to 4 tons) in capacity. Heat rejected from the unit in the form of hot water can be re-used to heat swimming pools or to meet domestic hot water needs.

CANAIRTECH products are competitively priced and marketed through large wholesalers.

**CHINOOK PHI-BETA Corporation**

5360 Canotek Road, Unit #3  
Gloucester, Ontario  
Canada K1J 9E3

Tel: (613) 748-0149

Fax: (613) 748-6542

■ A research and development oriented company, CHINOOK PHI-BETA manufactures dehumidifier heat pumps that offer outstanding performance, efficiency and economy.

The dehumidifiers in the CHINOOK DH Series extract moisture from the atmosphere and use the heat captured in the process to produce hot water. Every dehumidifier in this series can be operated with or without reheat of the air it conditions. In the reheat mode, it returns the dried air at above ambient temperature. Without reheat, it both dehumidifies and cools the air transferring to the water the heat captured from cooling the air as well as that produced in condensing the water vapour.

The CHINOOK DH10 processes 1.8 m<sup>3</sup> (563 cu. ft.) of air per minute and can provide 30 000 Btu/h of cooling to a room while supplying 40 000 Btu of heat for water. The CHINOOK DH15 generates 47 000 Btu/h of cooling and 60 000 Btu of heat into the water.

CHINOOK dehumidifiers are ideal for controlling the humidity and heating the pool water in indoor swimming pool enclosures and for cooling/dehumidifying rooms in proximity to a swimming pool.

KeepKool Heat Transfer Inc.  
 262, rue Scott  
 Saint-Jérôme, Québec  
 Canada J7Z 1H1  
 Tel: (514) 436-7555  
 Fax: (514) 436-5970



Chinook dehumidifiers designed for residential and commercial applications offer some of the most advanced features on the market.

**Climate Comfort Systems Inc.**

50 Snidercroft Road  
 Concord, Ontario  
 Canada L4K 2K1  
 Tel: (416) 660-7239  
 Fax: (416) 660-7241

The Comfort Plus designed by Climate Comfort for residential applications is a high-efficiency ground-source or water-source heat pump that heats and cools.

In winter in its heating cycle, the heat exchanger of the Comfort Plus extracts heat from the ground or ground water; Freon absorbs the heat from the water and gives it up to the room air passing through the air coil; the blower circulates the heated air to the living space. The heat pump produces clean, safe draft-free heat without the worry of fire or chimney problems. In the cooling cycle of the Comfort Plus, the Freon absorbs heat from the indoor air as it moves through the air coil and gives it up to the cold water in the heat exchanger.

The Comfort Plus operates with an open or closed loop. The open loop uses ground water pumped from a well while the closed loop is an earth-coupled system that can be vertical, horizontal or a pond-lake type configuration. The closed loop is a network of plastic pipes filled with antifreeze solution and buried underground or sunk in a lake or pond.

The Comfort Plus offers effective and efficient heating and cooling at exceptionally low cost.

**Delhi Industries Inc.**

523 James Street  
 Delhi, Ontario  
 Canada N4B 2Z3  
 Tel: (519) 582-2440  
 Fax: (519) 582-0581

Delhi is a major Canadian manufacturer of air moving products, gas manifolds and heat exchange coils for the heating and air conditioning industries.

Delhi produces a complete line of double-inlet forward-curved (FC) and backward-inclined (BI) blowers with capacities ranging from 100 to 42 000 CFM and up to 15 cm (6 in.) SP. Other air moving products include roof exhausters, utility blowers, fresh air supply units and inline duct blowers.

In addition to blowers, Delhi manufactures aluminum fin on copper tube heat exchange coils in custom sizes for air conditioning and dehumidifying equipment. The company also fabricates custom gas manifolds for gas-fired furnaces, unit heaters and cooking ranges.

Delhi is a well known name in the North American heating and air conditioning industries.

**Ecotherm Inc.**  
 1015, rue Beaver Hall, Suite #410  
 Montréal, Québec  
 Canada H2Z 1S1  
 Tel: (514) 861-3406  
 Fax: (514) 861-3985

■ Ecotherm exports a wide selection of air conditioning, ventilation and refrigeration equipment. The company's product range includes package and split chillers, condensers, unit coolers and other cold storage accessories; axial and centrifugal fans; cleanable and disposable types of air filters; duct work and damper accessories; control valves; thermostats and insulation products.

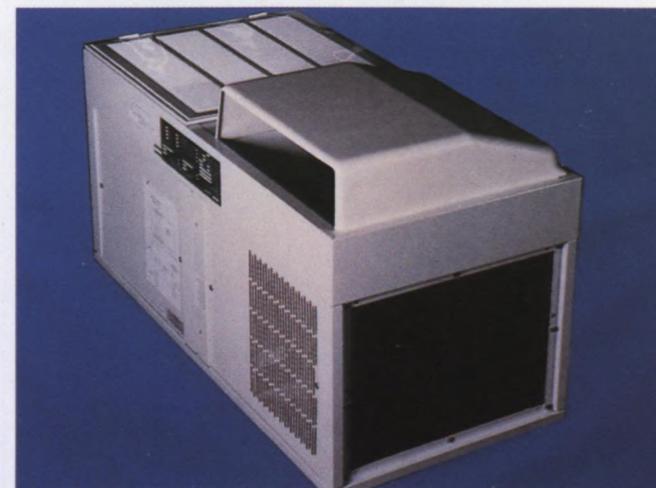
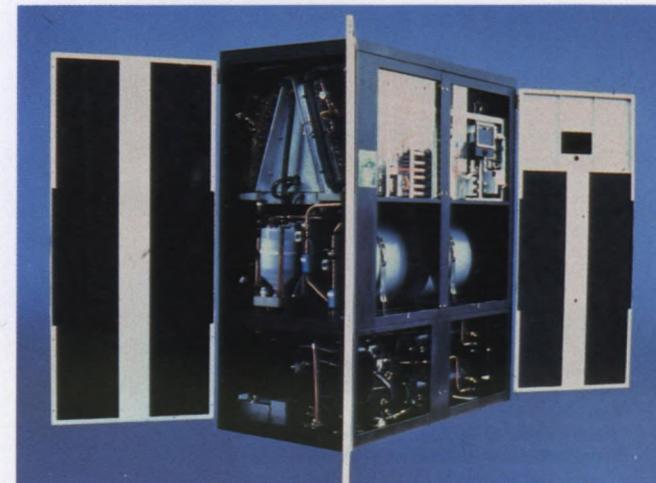
Ecotherm concentrates on the South American, Asian and Australian markets.

**HiRoss Canada Inc.**  
 2550 Dunwin Drive  
 Mississauga, Ontario  
 Canada L5L 1J5  
 Tel: (416) 828-5530  
 Fax: (416) 828-5018

■ The only manufacturer of computer air conditioning systems in Canada, HiRoss is a world leader in the computer support industry. The company creates the environmental conditions necessary for computers large and small to operate reliably and efficiently.

The HILANDER II is a ceiling-mounted unit designed for spot cooling or mini-computer rooms. It has a unique air distribution system that provides draft-free cooling at minimum noise level. Ideal for small computer rooms, the COMPUTAIRE is a space-saving, upflow, corner-mounted unit that offers dehumidification on demand. The SPACEMAKER III suits small, medium or large installations. It provides large system precision with sensible cooling, demand dehumidification and multiple direct-drive fans for built-in redundancy.

For large mainframe users, the ECOS III gives precise microprocessor-based control, sensible cooling, demand dehumidification and built-in redundancy for refrigeration and fan systems. The DATACHILLER is a reliable liquid chiller for large liquid-cooled mainframes featuring dual refrigeration circuits, dual water circulation pumps and manual override of all control functions for total redundancy.



HiRoss offers a full range of air conditioning units designed specifically for computer rooms.

**KeepKool Heat Transfer Inc.**

262, rue Scott  
Saint-Jérôme, Québec  
Canada J7Z 1H1

Tel: (514) 436-7555

Fax: (514) 436-5970

■ A young, innovative company with a solid base of technical expertise, KeepKool manufactures an extensive line of high-efficiency heat transfer equipment for residential and commercial applications.

The KeepKool product line includes water source heat pumps and air conditioners ranging from 12 000 to 126 000 Btu/h capacity, as standard units with capabilities up to 360 000 Btu/h in both horizontal and vertical versions. Slim line KeepKool console heat pump and air conditioning models are available in five sizes ranging from 7 000 to 19 000 Btu/h and feature removable chassis and field convertible water connections.

KeepKool air conditioning split systems and air-to-air heat pumps are produced in both two-way and three-way versions with excellent COP and EER values. KeepKool also offers a full line of indoor air-to-air packaged/split air conditioners and heat pumps from 2 032- to 10 160-kg (2- to 10-ton) capacity.

A true OEM, KeepKool has the capacity and proven capabilities to produce standard coils, 'A' coils, special coils, air handlers and other custom equipment. Engineering and back-up is supported by sophisticated testing equipment to ensure that KeepKool products meet the specific requirements of the North American and off-shore markets.

**KeepRite Inc.**

44 Elgin Street  
Brantford, Ontario  
Canada N3T 5P4

Tel: (519) 753-8471

Fax: (519) 756-8057

■ The largest Canadian manufacturer of commercial refrigeration and air conditioning systems and a major producer of residential heating and air conditioning equipment, KeepRite is known worldwide for the excellence and durability of its products.

Designed for home and commercial use, the KeepRite Climette series of room air conditioners ranges in capacity from 8 000 to 23 000 Btu/h. Packaged air conditioning units provide year-round comfort with cooling capacities ranging from 9 000 to 15 000 Btu/h and heating output of up to 17 000 Btu/h.

Ideal for motels, offices and corner stores, the quiet Climatizer mini-split system air conditioners offer cooling capacities from 9 000 to 24 000 Btu/h. Larger KeepRite split systems and package units are available in capacities of up to 55 000 Btu/h.

The KeepRite commercial refrigeration line ranges from back bar equipment and beverage coolers to large blast freezers and refrigerated warehouses.

Among the different evaporator products manufactured by KeepRite are the popular Roundell and Slim Line models that provide from 570 Btu/h to 30 480 kg (30 tons) of cooling at 10° TD. Most units feature

electric or hot gas defrost capability for medium- or low-temperature operation.

The KeepRite range of commercial condensers includes air-cooled models from 2 to 15 hp, water-cooled and remote units from 2 to 30 hp and matching air-cooled units of up to 128 016 kg (126 tons) in capacity designed to meet the most demanding requirements.

In heating systems, KeepRite offers the consumer a choice of gas furnaces with capacities from 80 000 to 176 000 Btu/h; electric furnaces generating from 5 to 10 kW; and oil-fired units producing from 105 000 to 450 000 Btu/h.

For more than 40 years, KeepRite has been manufacturing high-performance heating, air conditioning and refrigeration equipment to satisfy customer requirements. Throughout those years, KeepRite has insisted on building quality into its products and backing each and every KeepRite unit 100 per cent. That successful formula remains the fundamental principle of how KeepRite does business today.



The broad range of high-quality KeepRite products includes residential packaged terminal and room air conditioners recognized to be among the most attractive and dependable on the market.

**Lennox Industries (Canada) Ltd.**  
 400 Norris Glen Road  
 Etobicoke, Ontario  
 Canada M9C 1H5  
 Tel: (416) 621-9302  
 Fax: (416) 621-6303

■ Lennox manufactures some of the most popular gas furnaces and air conditioning units in Canada for residential and commercial applications.

Incorporating a heat exchanger model that is guaranteed for life, the innovative Lennox Pulse gas furnaces have an efficiency rating of 94 to 98 per cent and generate up to 100 000 Btu/h. The units operate on the pulse combustion principle and do not require a pilot burner, main burners, conventional flue or chimney. Compact, standard-size cabinet design with side or bottom return air entry permits installation in a basement, utility room or closet.

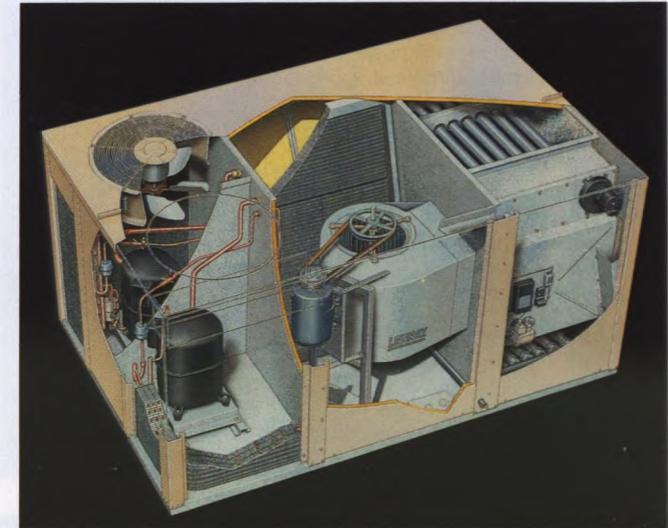
The Lennox G8R down-flow series gas furnaces produce up to 180 000 Btu/h and are designed for distribution ductwork installed under the floor or tunnelled into a concrete slab floor. These efficient, economical units are equipped with a standing pilot and vent safety device that shuts the furnace down in case of flue blockage. The Lennox G8 up-flow series offers the same energy savings and dependability as the G8R and is designed for conventional duct systems in residential, commercial and small business installations.

The Lennox Conservator™ III is a non-condensing gas furnace that offers 80 per cent efficiency; a super-dependable heat exchanger; a large air filter; a quiet resilient blower; a 100 per cent safety shut off ignition system; an induced draft blower and low-cost installation. Output capacity ranges up to 125 000 Btu/h.

Lennox furnaces can be equipped with add-on Lennox evaporator and condensing units to provide all-season comfort.

Lennox also manufactures powerful high-efficiency condensing units that each feature a direct-drive fan, four-sided wrap-around coil, durable copper tubing with ripple edged aluminum enhanced fins. The all-season Lennox packages are compact heating/cooling units designed for outdoor rooftop or ground-level installations in residential and commercial applications.

Lennox excellent-quality heating and cooling products are well-known throughout North America and Europe.



The quiet, cost-effective heat/cool package is available in gas and electric versions for the residential and commercial markets.

The design of the combustion chamber of a Lennox residential G14 Series pulse gas furnace heat exchanger is one reason for its extraordinary efficiency.

**Les Entreprises de Climatisation et Chauffage**

**André Boucher Ltée**  
 3275 de la 1<sup>ère</sup> rue, Local #8  
 Saint-Hubert, Québec  
 Canada J3Y 5K2  
 Tel: (514) 676-0659  
 Fax: (514) 678-0059

■ Les Entreprises André Boucher is a major Canadian service company specializing in the installation, repair, and maintenance of air conditioning and refrigeration equipment in residential, commercial, hotel, industrial and institutional applications.

The company offers its expertise in the renovation of existing equipment, preventative maintenance, repairs, and detection and evaluation of major problems. Les Entreprises André Boucher is also well known for its consulting design services and training of personnel involved in the operation of large air conditioning and refrigeration systems.

The company is interested in participating in major projects across Canada, in Africa and the Middle East.

**NORTEC Air Conditioning Industries Ltd.**

2760 Fenton Road  
 Ottawa, Ontario  
 Canada K1G 3N3  
 Tel: (613) 822-0335  
 Fax: (613) 822-7964

■ NORTEC manufactures the most advanced electronically controlled humidifiers available on the North American market. Designed for commercial and industrial applications, the NORTEC MP series of electrode steam humidifiers offers reliability, economy, easy operation, minimal cleaning and low maintenance.

Controlled by a patented auto-adaptive system, NORTEC MP humidifiers automatically adapt to all incoming water conditions. The water boils in the unit's disposable cylinder to discharge steam at rates ranging from 5 to 180 lb./h, leaving any minerals deposited in the cylinder. When the deposit has reached a pre-set level, the microprocessor in the humidifier signals on the LED read-out that the cylinder should be changed. Replacement cylinders are economical, readily available and easy to install.

The NORTEC MP humidifiers are built to last in commercial, institutional and industrial environments. They are available in a choice of duct- or space-mounted models and are covered by a two-year limited warranty.



The NORTEC MP series of electrode steam humidifiers incorporates a patented auto-adaptive control system.

**Philip Doyle Manufacturing Inc.**

75 Covington Street  
Hamilton, Ontario  
Canada L8E 2Y4

Tel: (416) 561-0545  
Fax: (416) 561-5858

■ Founded in 1965, Philip Doyle Manufacturing specializes in the design, development and manufacture of efficient and serviceable, industrial duty air conditioning equipment for primary industries.

Philip Doyle's products, both air and water cooled, are available for a wide range of light-, medium- and heavy-industrial heating, ventilation and air conditioning applications in a comprehensive choice of size and material specifications to meet specific end-use requirements.

All Philip Doyle products are designed and built to operate effectively and deliver long life and optimum performance in high temperatures or adverse working conditions such as corrosive or heavy dust-laden atmospheres. The current product line includes overhead crane cabin air conditioners; O.S.H.A. standard coke oven and blast furnace air conditioners; electrical room air conditioners; mobile cooling units; and casting floor personnel cooling systems.



Philip Doyle air conditioners range from overhead crane cabin models to specialty units for blast furnace operators.

**Ref Tube Inc.**  
838 Rye Street  
Peterborough, Ontario  
Canada K9J 6W9

Tel: (705) 742-4212  
Fax: (705) 743-6301

■ The only Canadian manufacturer of line sets, Ref Tube enjoys an excellent reputation in the North American air conditioning industry for the superior quality and reliability of its products.

'Line set' is the trade term used to describe the copper lines that connect the indoor and outdoor components of split-type residential air conditioning systems and heat pumps.

Ref Tube produces its line sets to air conditioning manufacturers' rigid specifications in Freon or nitrogen-filled configurations and in a wide range of lengths and end styles.

**Relcon Inc.**  
 80 Walker Drive  
 Brampton, Ontario  
 Canada L6T 4H6  
 Tel: (416) 458-1100  
 Fax: (416) 458-1200

■ In Canada, Relcon is the best-known and most advanced company in the custom engineering, production and marketing of variable-speed motor control equipment, robotic and automated welding systems.

The only integrated designer, manufacturer and distributor of a full range of adjustable-speed drives, Relcon is the largest producer in Canada of general industrial adjustable-frequency drives. The company's extensive product line includes general purpose, constant torque inverters in all sizes from 1 hp to 800 hp.

Relcon also manufactures a range of variable torque adjustable-frequency drives designed specifically for fan

and pump applications in the heating, ventilation and air conditioning markets. Today, the company supplies more than 60 per cent of the Canadian demand for drives of this type in sizes larger than 30 hp.

Relcon has earned a reputation for high-quality products and excellent customer service. The company is active in the Pacific Rim countries and is interested in expanding its marketing network in the United States.



Variable torque adjustable-frequency Relcon drives are designed specifically for fan and pump applications.

**ROSEMEX Inc.**  
 1560, boulevard Marie Victorin  
 Saint-Bruno, Québec  
 Canada J3V 4P6  
 Tel: (514) 653-1002  
 Fax: (514) 461-1750

■ Architects and engineers in Canada and the United States specify ROSEMEX enclosures for heating, ventilation and air conditioning equipment because they are custom designed to match the room's decor.

ROSEMEX custom enclosures are available in a choice of fabricated cold rolled steel, stainless steel or extruded aluminum.

Quality of product and ease of installation have made ROSEMEX the leading custom manufacturer of enclosures in North America. That is why ROSEMEX sends its own personnel to measure each project and ensure an accurate fit.

**SkyMark Metal Manufacturers Inc.**

19 Pullman Court  
Scarborough, Ontario  
Canada M1X 1E4

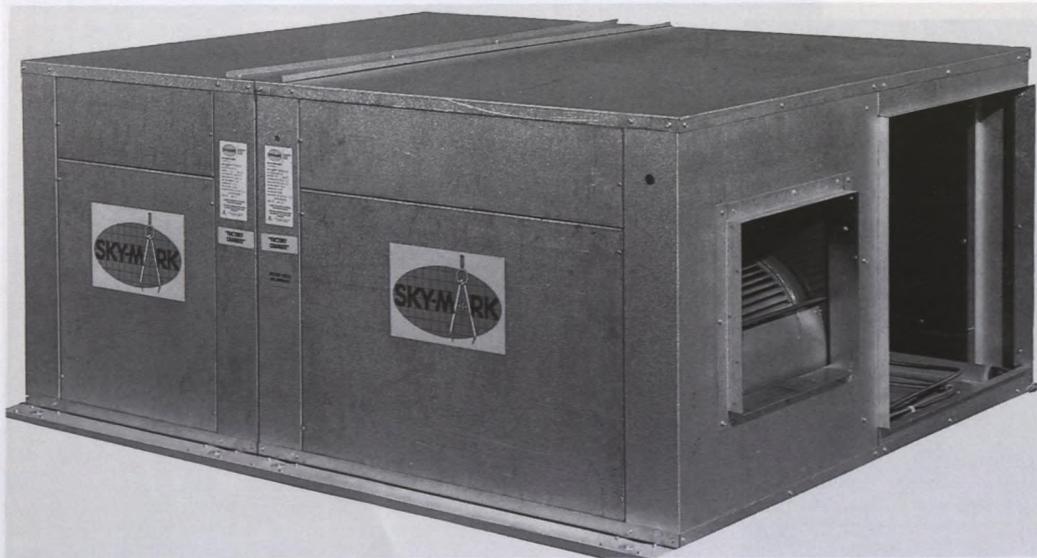
Tel: (416) 321-0412  
Fax: (416) 298-6297

■ A major Canadian manufacturer of air conditioning products, SkyMark specializes in industrial/commercial flexible indoor air conditioning units ranging in capacity from 24 000 to 120 000 Btu/h. Available in 208-230/1/60 or 208-230-460-575/3/60 voltages, SkyMark's full range of air conditioning products is CSA, ETL, ARI Standard 210 and ASHRAE Standard 37 tested.

The SkyMark air conditioning units are designed to be split for zoning applications. They offer such outstanding features as independent motors for the evaporator and condensing sections; high- and low-pressure cut-outs for compressor protection; easy access for service and

cleaning; separate access to electrical control panels; motor overload relays; adjustable motor drives; and filter driers that prevent contaminants from entering the refrigeration system to reduce service. All units have permanently lubricated ball bearing blowers and quick connect fittings that allow fast and easy separation of the condenser and evaporator sections without losing the factory charge.

SkyMark offers excellent quality products, competitive pricing and dependable attentive service.



Powerful SkyMark air conditioning units are designed to be split for zoning applications.

**SyTec Enclosures Canada Inc.**

158 Sterling Road  
Toronto, Ontario  
Canada M6R 2B8

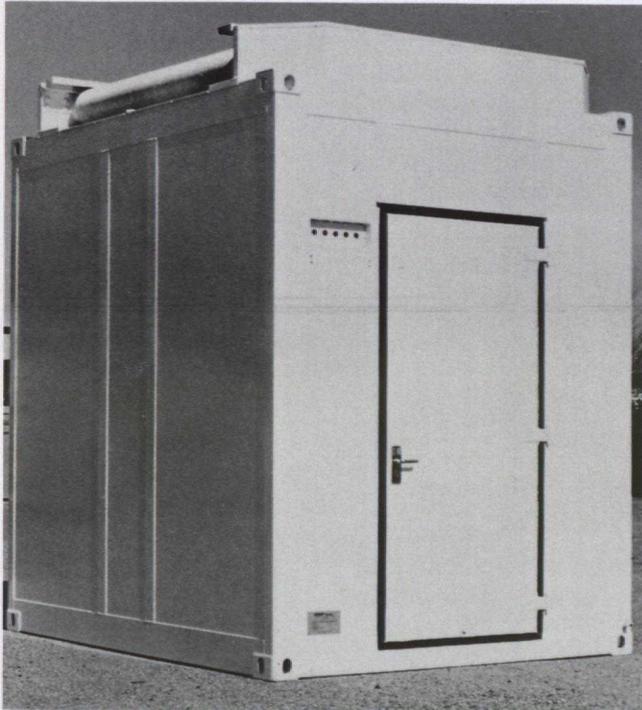
Tel: (416) 530-2692  
Fax: (416) 530-4588

■ SyTec manufactures above-ground (small buildings) and below-ground enclosures that use PhaseTron™ conditioning technology to satisfy, with outstanding reliability, the temperature and humidity requirements of telecommunications and electronic equipment without using conventional air conditioning systems.

Unlike conventional compressor/evaporator cooling units, the SyTec system simply absorbs inside heat and transfers it outside. SyTec's proprietary material undergoes a phase change and therefore absorbs heat below the maximum temperature specified for the product the enclosure holds. When the outside temperature drops below the temperature inside the enclosure, the variation in density causes the fluid in the loop to circulate and transfer the heat absorbed by the phase change materials to the outside. Typical maximum temperatures inside the shelter range from 35 to 49°C (95 to 120°F).

The SyTec enclosures are constructed of an extruded aluminum frame and floor joists filled with aluminum/polyurethane sandwich panels. Every enclosure is custom-engineered for the specific application, taking into account geography, size limitations, equipment specifications and daily heat-load profile. After fabrication, the unit is tested in SyTec's environment chamber to the actual environmental conditions and extremes it will have to weather in the field.

**Temspec Inc.**  
 585 Canarctic Drive  
 Downsview, Ontario  
 Canada M3J 2P9  
 Tel: (416) 661-0535  
 Fax: (416) 661-0538



SyTec's high-reliability cooling systems can easily handle the heat loads of cellular installations.

■ Temspec designs and manufactures high-efficiency heating, ventilation and air conditioning equipment for residential and institutional markets.

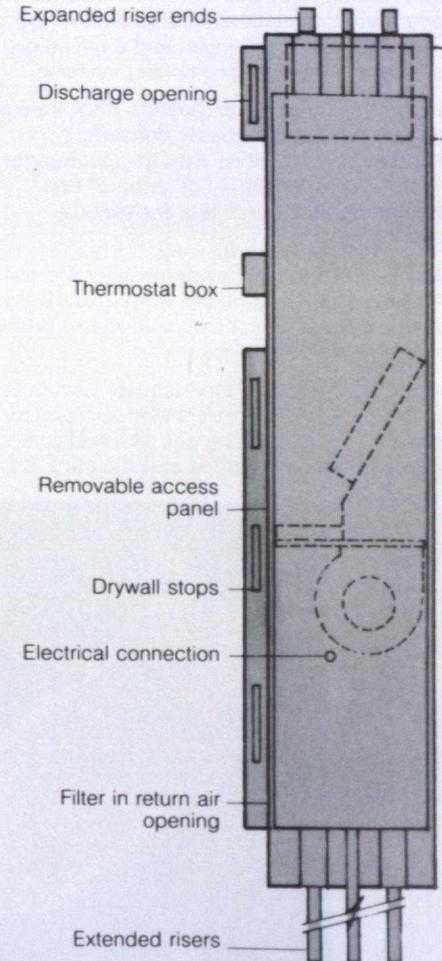
The company's extensive product line includes energy-efficient fan-coil units designed for condominiums, apartments and hotels. Available in sizes from 350 to 1 000 CFM, the Temspec VERTICAL FAN COIL systems enjoy a well-deserved reputation for delivering the quietest, most reliable heating and cooling available for use in highrise residential buildings and hotels.

The Temspec CLASSROOM UNIT VENTILATOR is designed to provide heat as well as fresh air in schools and similar institutions. The state-of-the-art controls on the ventilator models allow occupants of the room or classroom to stay comfortable, alert and healthy.

Temspec products are marketed through a dealer network across North America.

Canadian  
 Standards  
 Association

**Temspec's Standard Vertical Fan Coil Unit**



**Valera Electronics Inc.**  
 5370 Canotek Road  
 Ottawa, Ontario  
 Canada K2A 2K1  
 Tel: (613) 745-1257  
 Fax: (613) 745-2743

■ Valera manufactures some of the most advanced thermostats and zone-control systems available on the market for residential, commercial and industrial heating and air conditioning applications. The solid state Valera products incorporate the latest electronic technology and are designed for use with single- and multi-stage furnaces, heat pumps and air conditioning systems.

The enerstat™ programmable thermostats from Valera reduce energy costs by automatically controlling the heating and cooling at room level with microcomputer accuracy. Valera also produces a full range of non-programmable electronic thermostats for various applications.

Valera's enerstat™ zone control systems offer the ability to separately control the temperature from 2 to 18 zones using only one heating or air conditioning unit to provide both comfort and energy efficiency.

The excellent quality enerstat™ products are distributed worldwide to the HVAC trade. Valera also supplies its systems to major OEMs of heating and air conditioning equipment in North America, Europe and the Far East.



Solid state Valera thermostats and zone control systems are among the most advanced on the market.

Tempco Inc.  
 288 Canotek Drive  
 Downsview, Ontario  
 Canada M3J 2P9  
 Tel: (416) 881-0838  
 Fax: (416) 881-0838

SyTec Enclosures Canada Inc.  
 100 East Beaver Creek  
 Toronto, Ontario  
 Canada M5S 2B2  
 Tel: (416) 520-1882  
 Fax: (416) 520-1882

**Canadian  
Standards  
Association**



CSA — Canadian Standards Association  
178 Rexdale Boulevard  
Rexdale, Ontario  
Canada M9W 1R3  
Tel: (416) 747-4000  
Fax: (416) 747-2475

Established in 1919, the Canadian Standards Association (CSA) is Canada's oldest and largest integrated standards development, certification, testing and inspection organization. The CSA maintains regional offices and laboratories across Canada and has affiliation with other prominent testing and inspection agencies around the world.

CSA standards and certification cover the full range of plumbing, heating, refrigeration, ventilation and air conditioning equipment. This includes such products as plumbing fixtures and fittings; pressure pipe; drain-waste-vent pipe and couplings; potable water systems; back-flow preventor devices; water conservation devices; chillers; central air conditioning equipment; heat pumps; fan coil units; room air conditioners; dehumidifiers; commercial refrigeration systems; household refrigerators and freezers; electric, gas, oil and solid fuel furnaces and stoves; boilers; hot water heaters; burners; crop dryers; clothes dryers; ironers; pressure washers; duct heaters; fans; roof-top ventilators; range hoods and heat recovery ventilators.

The CSA 'Partnership' concept takes certification to the customer and tailors the process to best suit individual needs. This may involve activities such as design guidance, witness testing, site laboratory qualification — all the way to self-certification.

CSA is qualified to certify products to standards required by the American National Standards Institute (ANSI); National Sanitation Foundation (NSF); American Society for Testing Materials (ASTM); Underwriters Laboratories Inc. (ULI); International Electrotechnical Commission (IEC); British Standards Institution (BSI); and others. In addition, CSA can certify products for export to Japan.

In response to requests from industry in Canada and the United States, CSA is continuing its efforts towards the development of common North American safety standards.



Recording the motor-casing temperature of a ventilator blower motor during operation.

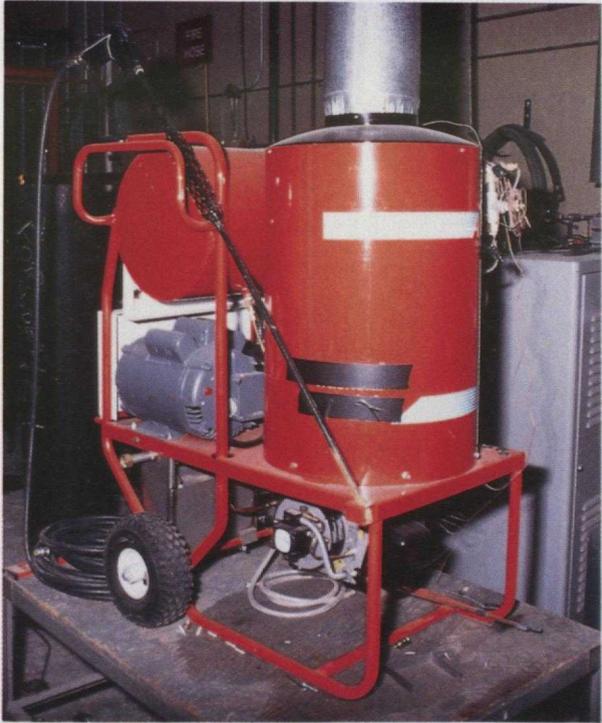
# Product



A wood-burning furnace with supplementary electric heating is being tested.



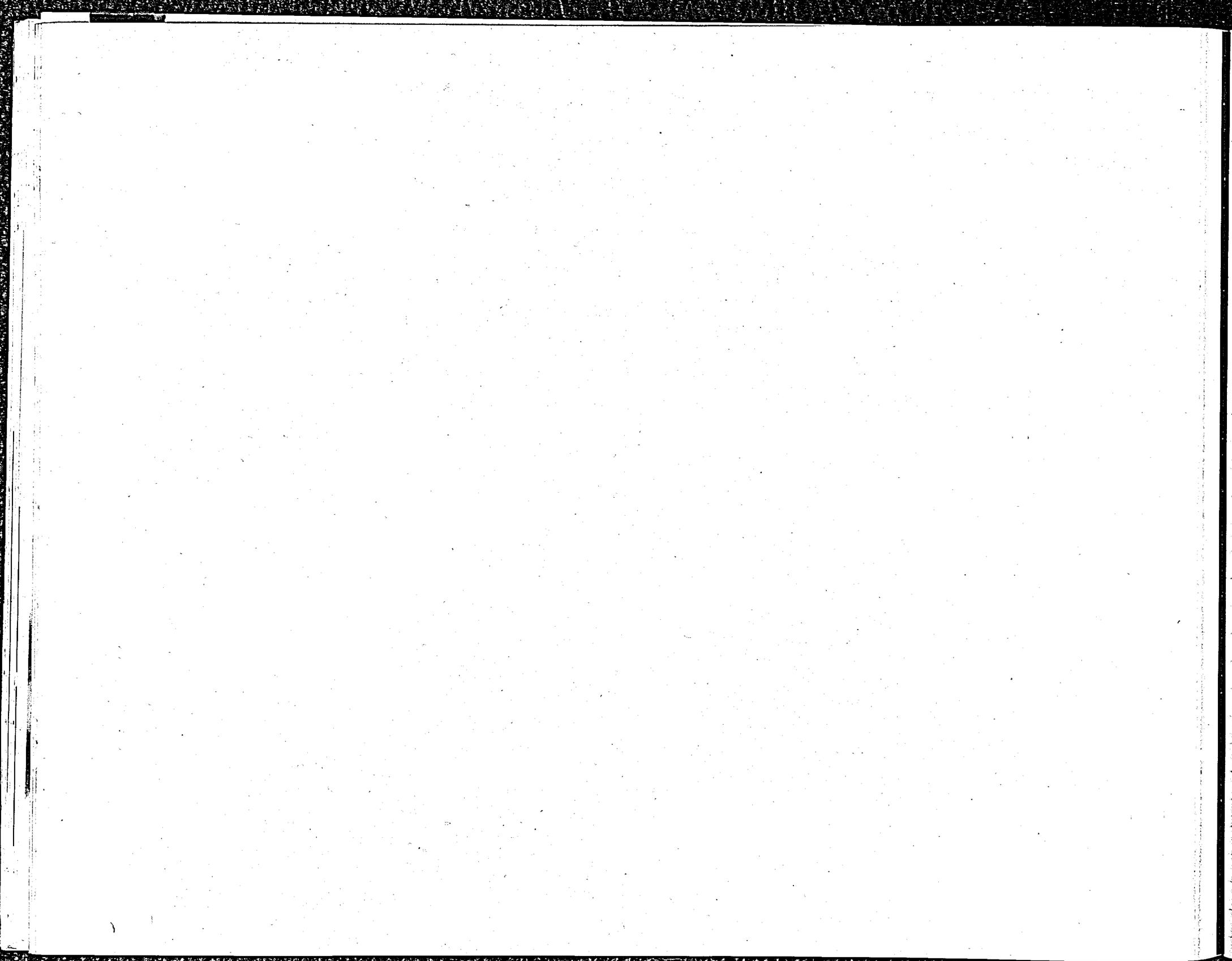
A refrigerant compressor undergoes a continuous maximum electrical current test.



Sophisticated test equipment is used to determine the quality of an oil-fired high-pressure commercial/industrial washer.



CSA technician measures the flow rate of a lavatory supply fitting.



# Product Category Cross-Index

## Code for Sections

Air Conditioning	(AC)
Heating	(H)
Plumbing	(P)
Refrigeration	(R)
Solid Fuel	(SF)
Ventilation	(V)

## Air Conditioning

### Air conditioning units, room size

Climate Master Inc. (H)  
 Ecotherm Inc. (AC)  
 HiRoss Canada Inc. (AC)  
 KeepKool Heat Transfer Inc. (AC)  
 KeepRite Inc. (AC)  
 Skymark Metal Manufacturers Inc. (AC)  
 SyTec Enclosures Canada Inc. (AC)

### Air conditioning units, all others, including heat pumps

CBR Technologies Ltd. (R)  
 CANAIRTECH Inc. (AC)  
 CHINOOK PHI-BETA Corporation (AC)  
 Climate Comfort Systems Inc. (AC)  
 Climate Master Inc. (H)  
 DMO Industries (H)  
 Ecotherm Inc. (AC)  
 HiRoss Canada Inc. (AC)  
 KeepKool Heat Transfer Inc. (AC)  
 KeepRite Inc. (AC)  
 Lennox Industries (Canada) Ltd. (AC)  
 Les Entreprises de Climatisation et Chauffage  
 André Boucher Ltée (AC)  
 Philip Doyle Manufacturing Inc. (AC)  
 Unilux Manufacturing Co. Inc. (H)

### Parts of air conditioning units, including coils

Blanchard-Ness Limited (R)  
 DMO Industries (H)  
 Delhi Industries Inc. (AC)  
 Ecotherm Inc. (AC)  
 ISKO Heat Exchangers Ltd. (H)  
 KeepKool Heat Transfer Inc. (AC)  
 KeepRite Inc. (AC)  
 Lennox Industries (Canada) Ltd. (AC)  
 Ref Tube Inc. (AC)  
 Stamford Metal Products Ltd. (R)  
 Temspec Inc. (AC)

### Air cleaners, electrostatic

Engineering Dynamics Ltd. (V)  
 Five Seasons Comfort Limited (V)

### Humidifiers, dehumidifiers and parts

Aston Industries Inc. (V)  
 Blanchard-Ness Limited (R)  
 CHINOOK PHI-BETA Corporation (AC)  
 Dectron Inc. (V)  
 DUNDAS-JAFINE Industries Ltd. (P)  
 Ecotherm Inc. (AC)  
 KeepKool Heat Transfer Inc. (AC)  
 NORTEC Air Conditioning Industries Ltd. (AC)  
 Stamford Metal Products Ltd. (R)  
 W.C. Wood Company Limited (R)

## Ducts, Fans, Ventilators Grilles and Air Diffusers

### Fans, axial, centrifugal, package units

Aston Industries Inc. (V)  
 Broan Limited (H)  
 CML Northern Blower Inc. (V)  
 Conservation Energy Systems (V)  
 Del-Air Systems Ltd. (V)  
 IAQ Indoor Air Quality Services Inc. (V)  
 M.K. Plastics Corp. (V)  
 Reversomatic Heating & Manufacturing Ltd. (V)

### Fans, air circulators, electric, including portable and parts

AIRMART HVAC Inc. (V)  
 Aston Industries Inc. (V)  
 Delhi Industries Inc. (AC)  
 M.K. Plastics Corp. (V)

### Unit ventilators, roof ventilators, electric and parts

Broan Limited (H)  
 Conservation Energy Systems (V)  
 Conserval Engineering Inc. (V)  
 DUNDAS-JAFINE Industries Ltd. (P)  
 Environment Air Ltd. (V)  
 Five Seasons Comfort Limited (V)  
 M & I Heat Transfer Products Ltd. (V)  
 M.K. Plastics Corp. (V)  
 McCarthy Robinson Inc. (V)  
 Relcon Inc. (AC)  
 Reversomatic Heating & Manufacturing Ltd. (V)  
 Sheldons Engineering (V)  
 Temprite Industries Limited (H)  
 Venmar Lisi Inc. (V)  
 Venmar Ventilation Inc. (V)

## Equipment Controls, Thermostat

### Filters, air cleaners

Engineering Dynamics Ltd. (V)  
Five Seasons Comfort Limited (V)

### Metal grilles, air diffusers, ventilators including ducts, non-powered

Axewood Company Ltd. (AC)  
Conservation Energy Systems (V)  
Ductlok (H)  
DUNDAS-JAFINE Industries Ltd. (P)  
Nailor-Hart Industries Inc. (V)  
Peninsula Fittings Ltd. (H)  
Talarico 132364 Canada Inc. (H)  
Venmar Lisi Inc. (V)

### Sheet metal furnace and stove pipe and other shapes

Axewood Company Ltd. (AC)  
Peninsula Fittings Ltd. (H)

### Equipment controls, sensors, thermostats

Aston Industries Inc. (V)  
Crystal Fountains (P)  
Delta Controls Inc. (V)  
Greystone Energy Systems Inc. (R)  
Relcon Inc. (AC)  
RUFFNECK Heaters (H)  
Star Heat Exchangers (V)  
tekmar Control Systems Ltd. (H)  
Valera Electronics Inc. (AC)  
Westcan Electric Heating Inc. (H)

## Fireplace Equipment, Fixtures and Parts

### Fireplace fixtures/accessories

R. Bossé Inc. (SF)

### Fireplace units/inserts/firelogs/heatilators

Elmira Stove & Fireplace (SF)  
Forest Fuel (SF)  
Forge Fireplace Systems (SF)  
Haugh's Products (SF)  
O'Dette Energies of Canada Ltd. (SF)  
Oliver-MacLeod Limited (SF)  
Osburn Manufacturing Inc. (SF)  
RSF Energy Ltd. (SF)  
Regency Industries Ltd. (SF)  
Security Chimneys Ltd. (SF)

Canergy Fireplace Inc. (SF)  
CIS-CAN Sales (Western) Ltd. (H)  
Cimato Master Inc. (H)  
Elnes Stove & Fireplace (SF)  
Enterprise Fawcett Inc. (SF)  
Haugh's Products (SF)  
KA-Heat Kachelofen Ltd. (SF)  
O'Dette Energies of Canada Ltd. (SF)  
Osburn Manufacturing Inc. (SF)  
P.S.G. Distribution Inc. (SF)  
RSF Energy Ltd. (SF)  
Regency Industries Ltd. (SF)  
W.J. Benjamin Products Ltd. (SF)  
Wolf Steel Ltd. (SF)

### Heating stoves, space heaters, etc.

CIS-CAN Sales (Western) Ltd. (H)  
Wolf Steel Ltd. (SF)

**Fuel Burning Equipment****Oil burners, heating type, and parts**

Aero Environmental Limited (H)  
 DMO Industries (H)  
 Fuel-Guard Division (H)  
 GSW Water Products Company (H)  
 Powrmatic of Canada Ltd. (H)  
 Preston-Brock Manufacturing Co. Ltd. (V)

**Gas burners, heating type, and parts**

Aero Environmental Limited (H)  
 DMO Industries (H)  
 Fuel-Guard Division (H)

**Heat Exchangers/Heat Recovery Systems and Parts****Heat exchangers/heat recovery systems and parts**

All Tech Energy Systems Ltd. (H)  
 Allied Engineering Company (H)  
 Del-Air Systems Ltd. (V)  
 Eclat Air Exchange Systems Inc. (H)  
 Environment Air Ltd. (V)  
 F.P. Industries Inc. (H)  
 Forge Fireplace Systems (SF)  
 Nutech Energy Systems Inc. (V)  
 P.M. Wright Ltd. (H)  
 Powrmatic of Canada Ltd. (H)  
 Preston-Brock Manufacturing Co. Ltd. (V)  
 S.A. Armstrong Limited (P)  
 Star Heat Exchangers (V)  
 Temprite Industries Limited (H)  
 Unifin International (H)

**Heating Equipment, Warm Air****Furnaces, warm air, electric**

Broan Limited (H)  
 Climate Master Inc. (H)  
 DMO Industries (H)  
 Hunter Enterprises Ltd. (SF)  
 KeepRite Inc. (AC)  
 Lennox Industries (Canada) Ltd. (AC)  
 Newmac Mfg. Inc. (H)  
 Trent Metals Limited (H)  
 Westcan Electric Manufacturing Inc. (H)

**Furnaces, warm air, gas burning**

DMO Industries (H)  
 Preston-Brock Manufacturing Co. Ltd. (V)  
 Trent Metals Limited (H)

**Furnaces, warm air, oil burning**

DMO Industries (H)  
 Dettson Inc. (H)  
 Newmac Mfg. Inc. (H)  
 Sunfire Mfg. (H)  
 Trent Metals Limited (H)

**Furnaces, warm air, solid fuel**

DMO Industries (H)  
 Hunter Enterprises Ltd. (SF)  
 KA-Heat Kachelofen Ltd. (SF)  
 Kerr Controls Ltd. (H)  
 Newmac Mfg. Inc. (H)  
 RSF Energy Ltd. (SF)  
 Trent Metals Limited (H)

**Furnaces, warm air, combination fuel**

Hunter Enterprises Ltd. (SF)  
P.S.G. Distribution Inc. (SF)  
Trent Metals Limited (H)

**Parts and accessories, furnaces, warm air**

Blanchard-Ness Limited (R)  
DMO Industries (H)  
Franklin Electric of Canada Ltd. (H)  
Hoyme Manufacturing Inc. (H)  
Lennox Industries (Canada) Ltd. (AC)  
Newmac Mfg. Inc. (H)

**Heating boilers and steam generating units**

ACME Vessels and Metal Ltd. (H)  
Allied Engineering Company (H)  
Blanchard-Ness Limited (R)  
Chromalox Inc. (H)  
Dettson Inc. (H)  
Eclat Air Exchange Systems Inc. (H)  
F.P. Industries Inc. (H)  
ISKO Heat Exchangers Ltd. (H)  
Liberty Boilers and Mechanical Services Inc. (H)  
Miura Boiler Co. Ltd. (H)  
New Yorker Boiler Co. Ltd. (H)  
Sunfire Mfg. (H)  
Thermofire Boiler Inc. (H)  
Unilux Manufacturing Co. Inc. (H)  
Viessmann Manufacturing Company Inc. (H)

**Parts of heating boilers and steam generating units**

Hoyme Manufacturing Inc. (H)  
Liberty Boilers and Mechanical Services Inc. (H)

**Hot water/steam heating equipment, all others and parts**

ISKO Heat Exchangers Ltd. (H)  
Kerr Controls Ltd. (H)  
Solcan Ltd. (H)  
W.R. Benjamin Products Ltd. (SF)

**Air heaters/space heaters, electric, including portables**

Broan Limited (H)  
CALORITECH Inc. (H)  
Chromalox Inc. (H)  
Ouellet Canada Inc. (H)  
P.M. Wright Ltd. (H)  
RUFFNECK Heaters (H)  
Stelpro Limited (H)  
Unifin International (H)  
Westcan Electric Heating Inc. (H)

**Heating stoves, combination cooking, space heaters,  
solid fuel**

APR Industries Ltd. (SF)  
Cascade/Triumph Manufacturing Ltd. (SF)  
Cenergy Fireplace Inc. (SF)  
CIS-CAN Sales (Western) Ltd. (H)  
Climate Master Inc. (H)  
Elmira Stove & Fireplace (SF)  
Enterprise Fawcett Inc. (SF)  
Haugh's Products (SF)  
KA-Heat Kachelofen Ltd. (SF)  
O'Dette Energies of Canada Ltd. (SF)  
Osburn Manufacturing Inc. (SF)  
P.S.G. Distribution Inc. (SF)  
RSF Energy Ltd. (SF)  
Regency Industries Ltd. (SF)  
W.R. Benjamin Products Ltd. (SF)  
Wolf Steel Ltd. (SF)

**Heating stoves, space heaters, gas**

CIS-CAN Sales (Western) Ltd. (H)  
Wolf Steel Ltd. (SF)

## Heating Stoves, Space Heaters, Water Heaters and Parts (continued)

### Heating stoves, solid fuel, parts and accessories

Canadian KemStone Mats Inc. (SF)  
Cool Crete Canada (SF)  
Forest Fuel (SF)  
Oliver-MacLeod Limited (SF)  
R. Bossé Inc. (SF)

### Hydronic Heating

FRENGER Canada Inc. (H)  
tekmar Control Systems Ltd. (H)

### Water tank heaters, electric

ACME Vessels and Metal Ltd. (H)  
CALORITECH Inc. (H)  
GSW Water Products Company (H)  
Giant Factories Inc. (H)

### Water tank heaters, gas

Allied Engineering Company (H)  
Giant Factories Inc. (H)

### Water heaters, oil-fired

Aero Environmental Limited (H)

### Unit heaters, all types

ACME Vessels and Metal Ltd. (H)  
Aero Environmental Limited (H)  
CALORITECH Inc. (H)  
CHINOOK PHI-BETA Corporation (AC)  
Chromalox Inc. (H)  
CIS-CAN Sales (Western) Ltd. (H)  
Climate Master Inc. (H)  
DMO Industries (H)  
F.P. Industries Inc. (H)  
Hunter Enterprises Ltd. (SF)  
Lennox Industries (Canada) Ltd. (AC)  
Oliver-MacLeod Limited (SF)  
Powmatic of Canada Ltd. (H)  
Preston-Brock Manufacturing Co. Ltd. (V)  
RUFFNECK Heaters (H)  
Stelpro Limited (H)  
Temprite Industries Limited (H)  
Unifin International (H)  
Westcan Electric Heating Inc. (H)  
Wolf Steel Ltd. (SF)

### Solar heating

Conserval Engineering Inc. (V)  
Solcan Ltd. (H)

### Parts of heating equipment, including core units

ACME Vessels and Metal Ltd. (H)  
Chromalox Inc. (H)  
Franklin Electric of Canada Ltd. (H)  
Giant Factories Inc. (H)  
ISKO Heat Exchangers Ltd. (H)  
Thermofilm Corporation (H)

### Hot water storage tanks

Aero Environmental Limited (H)  
GSW Water Products Company (H)  
W.R. Benjamin Products Ltd. (SF)

### Parts of water heaters

Aero Environmental Limited (H)  
Chromalox Inc. (H)  
ISKO Heat Exchangers Ltd. (H)

## Pipe, Pipe Fittings, Tubes, Tubing and Valves

### Pipe and tubing, copper, including alloys

Wolverine Tube (Canada) Inc. (R)

### Pipe, tubes and tubing, plastic

Scepter Manufacturing Co. Ltd. (P)

### Pipe fittings, copper and other metals

Cello Products Inc. (P)  
 Crystal Fountains (P)  
 Die-Mold Tool Ltd. (P)  
 Emco Products (P)  
 PEM Fountain Co. (P)

### Pipe fittings, plastic

Bow Plastics Ltd. (P)  
 Die-Mold Tool Ltd. (P)  
 Emco Products (P)  
 Scepter Manufacturing Co. Ltd. (P)  
 Waterline Products Co. Ltd. (P)

### Seals, drains, clean-outs and interceptors

Ancon International Inc. (P)  
 DRANJER Corporation (P)  
 Mifab Manufacturing Inc. (P)  
 Nolar Industries Ltd. (P)  
 Rototech-Smith (P)

## Pumps

### Valves and valve parts

Cambridge Brass (P)  
 Canplas Industries Ltd. (P)  
 Die-Mold Tool Ltd. (P)  
 Emco Products (P)  
 Jenkins Canada Inc. (P)  
 M & I Heat Transfer Products Ltd. (V)  
 PEM Fountain Co. (P)  
 S.A. Armstrong Limited (P)  
 tekmar Control Systems Ltd. (H)  
 Watts Regulator of Canada Ltd. (P)

## Plumbers' Brass Goods, Bathroom Accessories (excluding valves and pipe)

### Faucets, tub-fillers, showers and combinations

Bonneville Fiberglass Inc. (P)  
 Cambridge Brass (P)  
 Crane Canada Inc. (P)  
 Danfoss Manufacturing Co. Ltd. (P)  
 Emco Products (P)  
 FIAT Products Ltd. (P)  
 Fleurco Industries (1963) Ltd. (P)  
 Great North Products Inc. (P)  
 Les Thermoformages ACRIMAX Inc. (P)  
 M & J Specialties (29122 Ontario Ltd.) (P)  
 Manhattan Products (Canada) Ltd. (P)  
 Mirolin Industries Inc. (P)  
 Modern Fiberglass Inc. (P)  
 Spartan of Canada (P)  
 Valley Fibrebath Ltd. (P)  
 Waltec Faucets (P)  
 Waterline Products Co. Ltd. (P)

### Bathroom accessories, fittings (excluding pipe fittings)

Architectural Metal Industries (P)  
 Bow Plastics Ltd. (P)  
 Cambridge Brass (P)  
 Crane Canada Inc. (P)  
 Fasco Products (P)  
 Fleurco Industries (1963) Ltd. (P)  
 Frost Products Ltd. (P)  
 Germain Manufacturing (P)  
 Great North Products Inc. (P)  
 Leisure Baths Ltd. (P)  
 Lorenzo Industries Inc. (P)  
 M.B.M. Ceramics (P)  
 Manhattan Products (Canada) Ltd. (P)  
 Twincee Limited (P)  
 Waterline Products Co. Ltd. (P)

## Plumbers' Brass Goods, Bathroom Accessories (excluding valves and pipe) (continued)

### Wall-mounted hand/hair dryers

Nova International (P)

### Bathtubs

Aciform Engineering Inc. (P)  
Acrylica Inc. (P)  
Almico Plastics Limited (P)  
Bath Magic Inc. (P)  
Bonneville Fiberglass Inc. (P)  
Canacrylic Products Inc. (P)  
Les Plastiques MC Ltée (P)  
Les Thermoformages ACRIMAX Inc. (P)  
Mirolin Industries Inc. (P)  
Modern Fiberglass Inc. (P)  
Spartan of Canada (P)  
Valley Fibrebath Ltd. (P)  
Valley Metal Products Ltd. (P)

### Shower Stalls

Aciflex Industries Inc. (P)  
Acrylica Inc. (P)  
Almico Plastics Limited (P)  
Crane Canada Inc. (P)  
FIAT Products Ltd. (P)  
Fleurco Industries (1963) Ltd. (P)  
Modern Fiberglass Inc. (P)  
Spartan of Canada (P)  
Waterline Products Co. Ltd. (P)

### Shower and bath doors

Aciflex Industries Inc. (P)  
Spartan of Canada (P)  
Waterline Products Co. Ltd. (P)

### Sinks

Aciform Engineering Inc. (P)  
Acrylica Inc. (P)  
Almico Plastics Limited (P)  
Architectural Metal Industries (P)  
Bow Plastics Ltd. (P)  
Cambridge Brass (P)  
Canacrylic Products Inc. (P)  
Crane Canada Inc. (P)  
FIAT Products Ltd. (P)  
Guardsman Products Ltd. (P)  
Mirolin Industries Inc. (P)  
Spartan of Canada (P)  
Waltec Sinkware (P)  
Wessan Plumbing Manufacturing Ltd. (P)

### Wash basins

Almico Plastics Limited (P)  
Architectural Metal Industries (P)  
Bow Plastics Ltd. (P)  
Cambridge Brass (P)  
Canacrylic Products Inc. (P)  
Crane Canada Inc. (P)  
Guardsman Products Ltd. (P)  
Lorenzo Industries Inc. (P)  
Waltec Sinkware (P)

### Laundry sinks (tubs)

Crane Canada Inc. (P)  
FIAT Products Ltd. (P)  
Spartan of Canada (P)  
Waterline Products Co. Ltd. (P)

### Toilet seats and lids

Centoco Plastics Limited (P)

### Toilets, toilet bowls, tanks and combinations, bidets, urinals

Cambridge Brass (P)  
Crane Canada Inc. (P)  
Lorenzo Industries Inc. (P)  
Sancor Industries Ltd. (P)  
Sanitation Equipment Limited (P)

### Floor and roof drains

Ancon International Inc. (P)  
DRANJER Corporation (P)  
Rototech-Smith (P)

## Pumps

### Plumbing fixtures and sanitary ware, all others

Aciflex Industries Inc. (P)  
 Acriform Engineering Inc. (P)  
 Acrylica Inc. (P)  
 Almico Plastics Limited (P)  
 Architectural Metal Industries (P)  
 Bath Magic Inc. (P)  
 Bow Plastics Ltd. (P)  
 Cambridge Brass (P)  
 Canplas Industries Ltd. (P)  
 Crane Canada Inc. (P)  
 FIAT Products Ltd. (P)  
 Fleurco Industries (1963) Ltd. (P)  
 Les Plastiques MC Ltée (P)  
 Lorenzo Industries Inc. (P)  
 Mirolin Industries Inc. (P)  
 Regal Medi-Spa Co. Inc. (P)  
 Valley Fibrebath Ltd. (P)  
 Wessan Plumbing Manufacturing Ltd. (P)

### Outdoor Decorative Fountains

Crystal Fountains (P)  
 PEM Fountain Co. (P)

### Pumps, centrifugal

Dynesco Inc. (P)  
 GSW Water Products Company (H)  
 Monarch Industries Limited (P)  
 S.A. Armstrong Limited (P)  
 Smart Turner Limited (P)

### Pumps, power

Dynesco Inc. (P)  
 Monarch Industries Limited (P)  
 Smart Turner Limited (P)

### Parts of power pumps

Dynesco Inc. (P)  
 Monarch Industries Limited (P)  
 Smart Turner Limited (P)

### Non-power pumps and parts

Monarch Industries Limited (P)  
 Smart Turner Limited (P)

## Refrigeration Equipment

### Refrigeration condensers

Blanchard-Ness Limited (R)  
 Ecotherm Inc. (AC)  
 ISKO Heat Exchangers Ltd. (H)  
 KeepRite Inc. (AC)  
 Malnar Industries Ltd. (R)  
 Multi-Jet Corporation (V)  
 Stamford Metal Products Ltd. (R)

### Refrigeration units, commercial

Blanchard-Ness Limited (R)  
 CBR Technologies Ltd. (R)  
 CANAIRTECH Inc. (AC)  
 Can-Arctic Refrigeration Inc. (R)  
 ESD Industries Inc. (R)  
 Ecotherm Inc. (AC)  
 Foster Refrigerator of Canada (R)  
 General Refrigeration Inc. (R)  
 Habco Beverage Systems Inc. (R)  
 Hussmann Store Equipment Ltd. (R)  
 ISKO Heat Exchangers Ltd. (H)  
 KeepRite Inc. (AC)  
 Les Entreprises de Climatisation et Chauffage  
 André Boucher Ltée (AC)  
 Sandvik Process Systems Canada Limited (R)  
 Stamford Metal Products Ltd. (R)  
 W.C. Wood Company Limited (R)

### Refrigeration units, industrial

Aero Heat Exchanger Inc. (R)  
 CBR Technologies Ltd. (R)  
 ESD Industries Inc. (R)  
 Ecotherm Inc. (AC)  
 Foster Refrigerator of Canada (R)

## Refrigeration Equipment (continued)

### Refrigeration units/equipment, all other and parts

Aero Heat Exchanger Inc. (R)  
 Blanchard-Ness Limited (R)  
 CBR Technologies Ltd. (R)  
 Cancoil Thermal Corporation (R)  
 Clark Door of Canada Ltd. (R)  
 Foster Refrigerator of Canada (R)  
 General Refrigeration Inc. (R)  
 Hussmann Store Equipment Ltd. (R)  
 ISKO Heat Exchangers Ltd. (H)  
 Sandvik Process Systems Canada Limited (R)  
 W.C. Wood Company Limited (R)

## Other Equipment/Devices/Systems (not specified elsewhere)

### Fume, gas analyzers, detectors and monitors

ACME Engineering Products Ltd. (V)  
 Les Entreprises MDG 3020 Inc. (P)  
 Newtec Industries Ltd. (V)  
 RAB Dedesco Ltd. (H)

### Chemical and other treatments

Alex Milne Associates Ltd. (P)  
 Bercan Environmental Resources Inc. (P)  
 York Energy Conservation (P)

### Chimneys, prefabricated and parts

James A. Ryder Mfg. Inc. (SF)  
 Oliver-MacLeod Limited (SF)  
 Security Chimneys Ltd. (SF)

### Dryers, all types

Nova International (P)

### Enclosures, all types

ROSEMEX Inc. (AC)

### Insulation products

Fiberglas Canada Inc. (H)

### Moulds, tooling

Die-Mold Tool Ltd. (P)

### Noise, vibration dampers

Vibron Limited (V)

### Pipe stays, and other accessories

L.E. Taylor Associates Ltd. (P)  
 Valley Metal Products Ltd. (P)

### Repair, tools and services

Metal Mend Inc. (R)

### Services, consulting, installation and others

Axewood Company Ltd. (AC)  
 Les Entreprises de Climatisation et Chauffage  
 André Boucher Ltée (AC)

### Software

Candaplan Resources Inc. (H)  
 Delta Controls Inc. (V)

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**Tanks, of all types excluding hot water tanks**

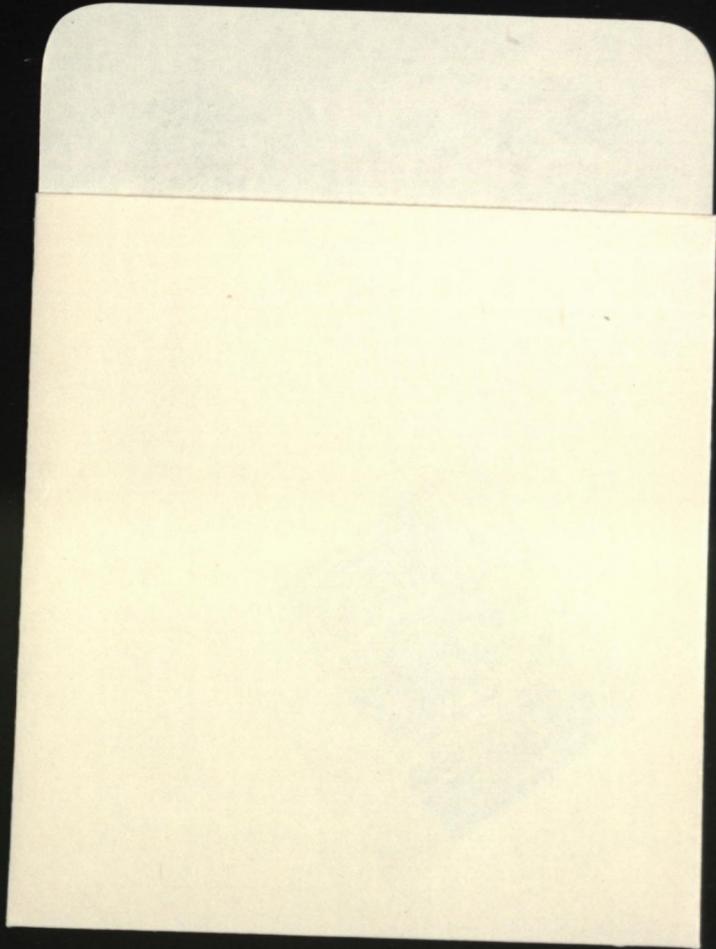
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ACME Vessels and Metal Ltd. (H)  
Hamlet & Garneau Inc. (H)

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