

Racal Filter Technologies, Ltd.

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Racal Filter Technologies, Ltd., is dedicated exclusively to the development and manufacture of standard and custom-designed canisters for military, police and industrial applications. The company specializes in the production of NBC canisters that meet or exceed NATO quality requirements.

The NBC canisters

The well-known Racal C2 family of NBC canisters consists of a variety of models designed for use with facemasks for individual protection or with blower units for collective protection in vehicles, aircraft or ships. The C2, C3, C4, C5 and C6 canisters use a Racal-developed paper particulate filter and a bed of activated charcoal to protect personnel against chemicals, biological toxic agents and radioactive dust particles. The C2, C4 and C6 designs incorporate the NATO standard thread but vary in canister weight and

size of charcoal bed. Of these three models, the C4 provides the longest protection. The C3 is designed for collective protection in a marine environment. The C5 model is intended for use with older face masks that do not incorporate the NATO standard thread.

All Racal NBC canisters offer the following features:

- high CT and protection factor values;
- excellent resistance to microbiological, particulate and liquid aerosol penetration;
- optimum resistance to fouling under camouflage smoke or dusty combat conditions;
- built-in ruggedness and resistance to rough handling;
- low carbon dust emission;
- low resistance to air flow (in facemask canisters this advantage minimizes stress on respiratory functions of wearer).



Full range of NBC canisters.

Canister specifications					
Canister type:	C2	C3	C4	C5	C6
Height (mm)	77	92	96	72	84
Width (mm)	109	109	109	109	109
Weight (g)	265	350	350	265	299
Charcoal (cm ³)	170	295	295	170	220
Charcoal type	ASC or TEDA	TEDA	TEDA	ASC or TEDA	ASC or TEDA
Thread type	NATO	2.335 in.	NATO	2.335 in.	NATO
Thread size (mm)	40 × 3.63	× 8TPI	40 × 3.63	× 8TPI	40 × 3.63
Finish	Anodized black or custom colour				



Facemask with C2 canister.