

Thus the approximate relative ratio of discharging power of a 3-foot pipe to that of a 1-foot pipe is as 15.588 to 1; and of a .5-foot pipe to a 1-foot pipe as .1768 to 1; also the relative discharging power of a 4-foot pipe (= 48-inch) is to that of a 2-foot pipe (= 24-inch) as 32 to 5.657; and of a 2.5-foot pipe to the combined discharging powers of a 2-foot and 1.5-foot pipes as 9.859 to (5.657 + 2.756).

The last vertical column gives the diameters in inches, as does also the horizontal column at the head of the right-hand section of the table.

The numbers in the intersections of the horizontal and vertical columns from the diameters in inches give also approximate relative discharging capacities. For instance, if we select in the vertical columns of diameters that of the 48-inch pipe, and desire to know how many smaller pipes it is equal to in discharging capacity, we trace along the horizontal column from it, and find that it is equal to 15.59 sixteen-inch pipes, or 5.65 twenty-four-inch pipes, or 1.58 forty-inch pipes, etc.; also, for other diameters, we find that a 24-inch pipe is equal to 32 six-inch pipes, or 2.05 eighteen-inch pipes, and a 12-inch pipe is equal to 5.65 six-inch pipes.

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