

Flow Meters

Applications

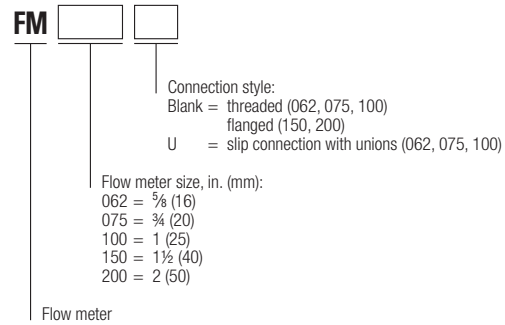
Flow Meters are used to measure cumulative hydraulic flow through a transport line, using an analog display with an odometer-type totalizer. In wastewater systems, they precisely measure variable flows of filtered effluent.



Standard Models

FM062, FM062U, FM075, FM075U, FM100, FM100U, FM150, FM200

Product Code Diagram



Materials of Construction:

Model	FM062, 075, 100	FM150, 200
Main case	Bronze	Lead-free high-copper alloy
Bottom plate	Bronze	Lead-free high-copper alloy
Register box	Bronze	Bronze
Magnets	Plasticized material	n/a
Unions	Sch 80 PVC	n/a

Specifications

Model	FM062 & 062U	FM075 & 075U	FM100	FM150	FM200
Length, in. (mm)	7 1/2 (191)	9 (229)	10 3/4 (273)	13 (330)	17 (432)
Length w/unions ("U" models) , in. (mm)	12 (305)	13 1/2 (343)	16 (406)	n/a	n/a
Width, in. (mm)	4 5/8 (117)	5 1/4 (133)	6 3/4 (171)	8 7/16 (205)	9 7/16 (240)
Height, in. (mm)	4 9/16 (116)	5 1/8 (130)	5 3/4 (146)	8 1/8 (206)	9 5/16 (237)
Standard flow range, gpm (L/min)	1-10 (4-38)	2-15 (8-57)	3-25 (11-95)	2-100 (17-1666)	2 1/2-160 (9.5-605)
Maximum intermittent flow, gpm (L/min)	20 (76)	30 (114)	50 (190)	n/a	n/a
Low flow registration*, gpm (L/min)	1/4 (0.9)	1/2 (1.9)	3/4 (2.8)	3/4 (2.8)	1 (3.7)
Maximum water pressure, psi (kPa)	150 (1033)	150 (1033)	150 (1033)	150 (1033)	150 (1033)
Meter connection and thread	1-in. male NPT	1-in. male NPT	1-in. male NPT	n/a	n/a
Meter connection with union	1-in. slip fit	1-in. slip fit	1 1/4-in. slip fit	n/a	n/a
Head loss, ft. (where Q = gpm)	0.04 × Q ²	0.022 × Q ²	0.007 × Q ²	0.0027 × Q ²	0.0012 × Q ²
Head loss, m (where Q = L/min)	0.04 × (3.79 × Q ²)	0.022 × (3.79 × Q ²)	0.007 × (3.79 × Q ²)	0.0027 × (3.79 × Q ²)	0.0012 × (3.79 × Q ²)
Manufacturer	Sensus	Sensus	Sensus	Neptune	Neptune

* 95% accuracy level