

Fire Pump Flowmeter Systems

Fire pump flowmeters may be used to determine the discharge of a fire pump. Water from the pump is temporarily directed through the flowmeter, then to atmospheric drain or back to the water supply source.

It is important that the flowmeter not be connected directly back to the pump suction. This arrangement does not adequately test the condition of the water supply.

These flowmeters are calibrated to measure the fire pump output directly in gal/min (dm³ /min). A control valve is provided in the flowmeter line. This valve must be completely closed, except when the flowmeter is in use. Unless otherwise noted in the listing, these systems have 175 psi (1205 kPa) rated working pressure.

Fire Pump Flowmeter Systems

<i>Pump Rating, gal/min (dm³ /min)</i>	<i>Meter Line Size, in.</i>	<i>Model Designation</i>
150 (570)	3	3-150-X*
200 (755)	3	3-200-X*
250 (945)	4	4-250-X*
300 (1135)	4	4-300-X*
400 (1515)	4	4-400-X*
450 (1705)	4	4-450-X*
450 (1705)	5	5-450-X*
500 (1895)	5	5-500-X*
750 (2840)	5	5-750-X*
500 (1895)	6	6-500-X*
750 (2840)	6	6-750-X*
1000 (3785)	6	6-1000-X*
1250 (4730)	6	6-1250-X*
1000 (3785)	8	8-1000-X*
1250 (4730)	8	8-1250-X*
1500 (5680)	8	8-1500-X*
2000 (7570)	8	8-2000-X*

2500 (9465)	8	8-2500-X*
3000 (11 355)	8	8-3000-X*
1500 (5680)	10	10-1500-X*
2000 (7570)	10	10-2000-X*
2500 (9465)	10	10-2500-X*
3000 (11 355)	10	10-3000-X*
3500 (13 250)	10	10-3500-X*
4000 (15 140)	10	10-4000-X*
4500 (17 035)	10	10-4500-X*
2000 (7570)	12	12-2000-X*
2500 (9465)	12	12-2500-X*
3000 (11 355)	12	12-3000-X*
3500 (13 250)	12	12-3500-X*
4000 (15 140)	12	12-4000-X*
4500 (17 035)	12	12-4500-X*
5000 (18 925)	12	12-5000-X*

Each system consists of a Global Vision Venturi, a differential pressure meter (for portable or permanent installation) and associated fittings. Meter faces are available in direct readout in both GPM (gallons per minute) and LPM (liters per minute), or optional m^3/h (cubic meters per hour).

* The suffix "X" signifies the available end connections as follows:
 F- Flanged ends 150 lb (rated working pressure = 275 psi [1895 kPa])
 F3- Flanged ends 300 lb (rated working pressure = 500 psi [3445 kPa])
 B- Weld ends (rated working pressure = 500 psi [3445 kPa])
 G- Grooved ends (rated working pressure = 500 psi [3445 kPa])

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