



Fire Pump Test Meter

Product Description

The Fire Pump Test Meters are available in Grooved, ANSI 150, ANSI 300, Butt Weld connections.

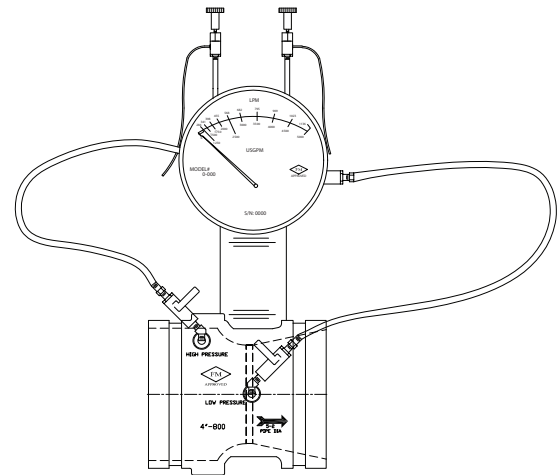
Material Specifications

Materials	Machined 1018/1026 Carbon Steel or Cast Carbon Steel WCB
Valves	1/4" Brass Ball Valve
Flange Options	ANSI 150 B 16.5 ANSI 300 B 16.5
ID Tag	Polycarbonate



Meter Data

Construction	Aluminium Body
Operation	Diaphragm (Buna Convuluted)
Accuracy	+2% Full Scale
Temperature	80°C (180°F)
Max. Working Pressure	34.5 bar (500 psi) Butt weld, grooved & ANSI 300 19 bar (275 psi) ANSI 150
Approx. Weight	1.7kg (3.75lbs)
Dial	4" Standard Dial 6" Available Dial

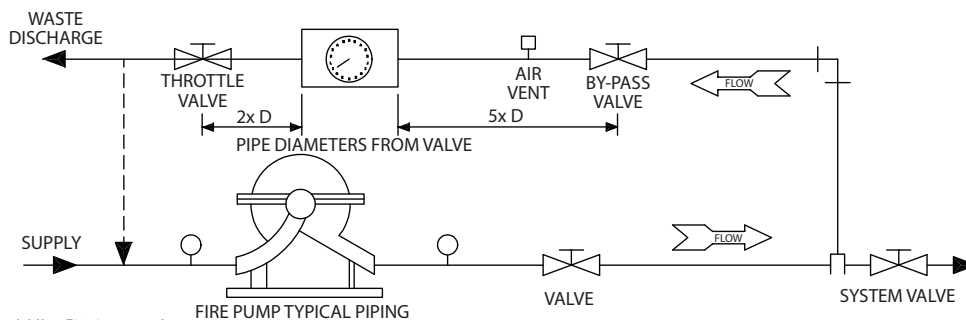


Operating Instructions

1. Close system valve
2. Open system by-pass valve and throttle valve
3. Pure meter located on meter as follows:
 - Open shut-off valves and vent valves.
 - When a steady stream of water is passing through each plastic hose, the meter is purged of air.
 - Close vent valve after purging.
4. Refer to pump GPM / LPM requirement and adjust throttle valve for this requirement.
5. After test open system valve and close system by-pass and throttle valves.
6. After test open system valve and close system by-pass and throttle valves.

Analogue Reader

Digital Reader



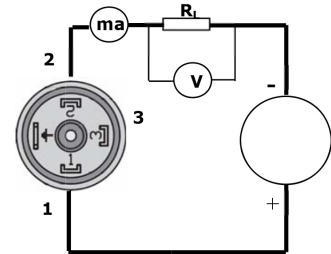
Manufactured by Global Vision who hold the FM Approval

Fire Pump Test Meter

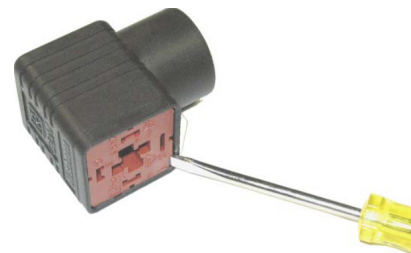
Digital Reader



DIN CONNECTOR



Remove the plug-in connector from the gauge assembly and using a screwdriver pry out the insert from the connector shell.



Insert connection wires through the connector shell as shown.



Strip wire lead ends and connect to terminal locations 1 & 2 as shown. Terminals are marked.



Insert terminal connection insert into connector shell. Rotate if necessary to the desired clocking.



Connections

The digital flow meter is supplied standard with 1/4" Male Flare connections. The ports are individually labeled "+" for Hi (coloured red) and "-" for low (coloured green). When making connections to the fittings please double wrench to protect loosening / over tightening the fittings.

Digital Reader Data

Connections	1/4" Male Flare Connection
Media	Any gas or liquid compatible with aluminium, nitrile elastomers and SS
Temperature Range	0°C to 60°C (32°F to 140°F)
Power	12-32 VDC
Wires	2 Wire 4-20 MA



The display has the capability of indicating alternating flow and flow % in decimal notation. It can be configured to display only flow or flow %, or alternate between both. The default shipped configuration is flow.

Flow % will also be continuously displayed in a bar graph across the top of the display

If enabled, the display can also indicate temperature in °C.

Manufactured by Global Vision who hold the FM Approval



Fire Pump Test Meter

Fire Pump Flow System, Sizes and Ordering Codes

Line Size	Pump LPM	Meter Range Min & Max LPM	Pump GPM	Meter Range Min & Max GPM	Ordering Codes			
					ANSI 150 Flange with Analogue Reader	Grooved with Analogue Reader	ANSI 150 Flange with Digital Reader	Grooved with Digital Reader
3"	570	285 - 1135	150	75 - 300	RDPTMF015080	RDPTMG015080	RDPTMF015080-DIG	RDPTMG015080-DIG
3"	755	380 - 1515	200	100 - 400	RDPTMF020080	RDPTMG020080	RDPTMF020080-DIG	RDPTMG020080-DIG
4"	945	475 - 1895	250	125 - 500	RDPTMF0250100	RDPTMG0250100	RDPTMF0250100-DIG	RDPTMG0250100-DIG
4"	1135	570 - 2270	300	150 - 600	RDPTMF0300100	RDPTMG0300100	RDPTMF0300100-DIG	RDPTMG0300100-DIG
4"	1515	755 - 3030	400	200 - 800	RDPTMF0400100	RDPTMG0400100	RDPTMF0400100-DIG	RDPTMG0400100-DIG
4"	1705	850 - 3405	450	225 - 900	RDPTMF0450100	RDPTMG0450100	RDPTMF0450100-DIG	RDPTMG0450100-DIG
5"	1705	850 - 3405	450	225 - 900	RDPTMF0450125	RDPTMG0450125	RDPTMF0450125-DIG	RDPTMG0450125-DIG
5"	1895	945 - 3785	500	250 - 1000	RDPTMF0500125	RDPTMG0500125	RDPTMF0500125-DIG	RDPTMG0500125-DIG
5"	2840	1420 - 5680	750	375 - 1500	RDPTMF0750125	RDPTMG0750125	RDPTMF0750125-DIG	RDPTMG0750125-DIG
6"	1895	945 - 3785	500	250 - 1000	RDPTMF0500150	RDPTMG0500150	RDPTMF0500150-DIG	RDPTMG0500150-DIG
6"	2840	1420 - 5680	750	375 - 1500	RDPTMF0750150	RDPTMG0750150	RDPTMF0750150-DIG	RDPTMG0750150-DIG
6"	3785	1895 - 7570	1000	500 - 2000	RDPTMF1000150	RDPTMG1000150	RDPTMF1000150-DIG	RDPTMG1000150-DIG
6"	4730	2365 - 9465	1250	625 - 2500	RDPTMF1250150	RDPTMG1250150	RDPTMF1250150-DIG	RDPTMG1250150-DIG
8"	3785	1895 - 7570	1000	500 - 2000	RDPTMF1000200	RDPTMG1000200	RDPTMF1000200-DIG	RDPTMG1000200-DIG
8"	4730	2365 - 9465	1250	625 - 2500	RDPTMF1250200	RDPTMG1250200	RDPTMF1250200-DIG	RDPTMG1250200-DIG
8"	5680	2840 - 11355	1500	750 - 3000	RDPTMF1500200	RDPTMG1500200	RDPTMF1500200-DIG	RDPTMG1500200-DIG
8"	7570	3785 - 15140	2000	1000 - 4000	RDPTMF2000200	RDPTMG2000200	RDPTMF2000200-DIG	RDPTMG2000200-DIG
8"	9465	4730 - 18925	2500	1250 - 5000	RDPTMF2500200	RDPTMG2500200	RDPTMF2500200-DIG	RDPTMG2500200-DIG
8"	11355	5680 - 22710	3000	1500 - 6000	RDPTMF3000200	RDPTMG3000200	RDPTMF3000200-DIG	RDPTMG3000200-DIG
10"	5680	2840 - 11355	1500	750 - 3000	RDPTMF1500250	RDPTMG1500250	RDPTMF1500250-DIG	RDPTMG1500250-DIG
10"	7570	3785 - 15140	2000	1000 - 4000	RDPTMF2000250	RDPTMG2000250	RDPTMF2000250-DIG	RDPTMG2000250-DIG
10"	9465	4730 - 18925	2500	1250 - 5000	RDPTMF2500250	RDPTMG2500250	RDPTMF2500250-DIG	RDPTMG2500250-DIG
10"	11355	5680 - 22710	3000	1500 - 6000	RDPTMF3000250	RDPTMG3000250	RDPTMF3000250-DIG	RDPTMG3000250-DIG
10"	13250	6625 - 26495	3500	1750 - 7000	RDPTMF3500250	RDPTMG3500250	RDPTMF3500250-DIG	RDPTMG3500250-DIG
10"	15140	7570 - 30280	4000	2000 - 8000	RDPTMF4000250	RDPTMG4000250	RDPTMF4000250-DIG	RDPTMG4000250-DIG
10"	17035	8515 - 34065	4500	2250 - 9000	RDPTMF4500250	RDPTMG4500250	RDPTMF4500250-DIG	RDPTMG4500250-DIG

-Sizes 12" and 14" available on special order

-ANSI 300 Flange and Butt Weld connections available on special order

Manufactured by Global Vision who hold the FM Approval

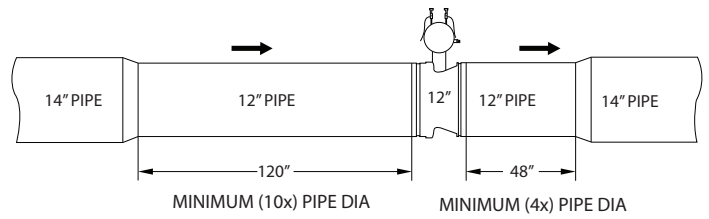
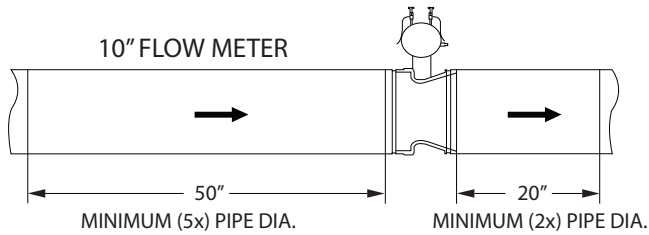
DS: 6.08
Issue D
31/07/2023
© 2023 Rapidrop

Rapidrop Global Ltd
T: +44 (0) 1733 847 510 F: +44 (0) 1733 553 958
e: rapidrop@rapidrop.com
w: www.rapidrop.com

Fire Pump Test Meter

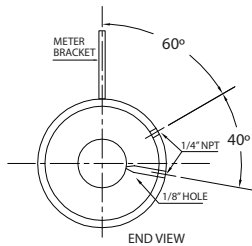
Typical installation with 5/2 pipe diameters
Clear of obstruction, valves or bends

If reducers are used, lengthen the min pipe diameter to 10/4 to ensure accuracy is maintained

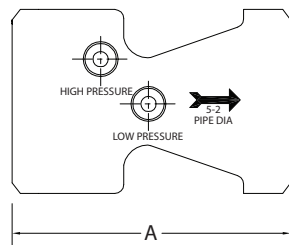


Dimensions

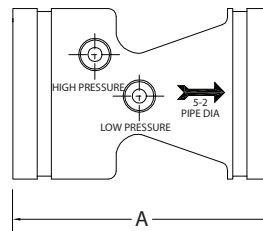
Size	Pressure 34.5 bar (500 psi) Butt Weld / Grooved		Pressure 19 bar (275 psi) 150 # Flanged		Pressure 34.5 bar (500 psi) 300 # Flanged	
	A	Aprox. Weight	A	Aprox. Weight	A	Aprox. Weight
1 1/4"	124	4.5	-	-	-	-
2"	127	5.0	-	11.3	-	-
2 1/2"	102	5.0	235	11.3	254	15.9
3"	102	5.9	238	18.1	260	22.7
4"	137	6.8	289	22.7	308	29.5
5"	152	9.1	330	27.2	349	36.3
6"	178	11.3	356	34.0	375	52.2
8"	184	15.9	387	54.4	406	79.4
10"	203	27.2	406	77.1	438	102.0
12"	254	29.5	483	102.0	514	156.5



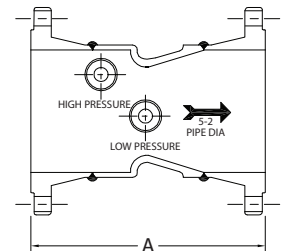
BUTT WELD / GROOVED



BUTT WELD



GROOVED



FLANGED

Manufactured by Global Vision who hold the FM Approval

DS: 6.08
Issue D
31/07/2023
© 2023 Rapidrop

Rapidrop Global Ltd
T: +44 (0) 1733 847 510 F: +44 (0) 1733 553 958
e: rapidrop@rapidrop.com
w: www.rapidrop.com