

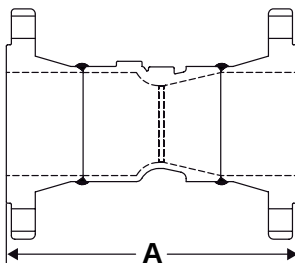


Flowmeter

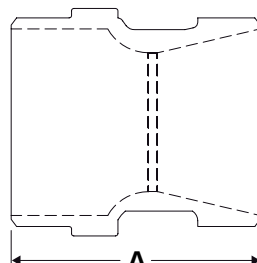
DP

Technical Features

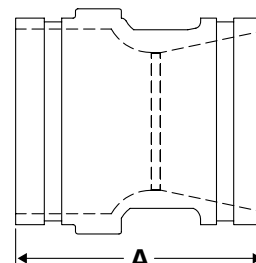
- **Sizes Available :**
Butt Weld, Flanged & Grooved : DN65/2 1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10" and DN300/12".
Threaded Ends : DN32/1 1/4" and DN50/2"
- **Pressure Data :**
Working Pressure :
34,5 bar (500 psi) for Butt Welded and Grooved Ends.
19 bar (275 psi) for ANSI 150 Flanged Ends.
- **Meter Operating Temperature :** 80°C (180°F).
- **Connections :**
Threaded : Female threaded NPT inlet and outlet.
Grooved : Grooved joint dimensions are made in accordance with ANSI/AWWA C606 (Ductile iron pipe and steel pipe) and metric pipe specifications.
- **Accuracy :** +/- 1% of reading.
- **Materials :**
Venturi's: Wcb Machined Casting 1018 or 1026 Solid Carbon Steel [Machined] Hrs Mt-1026 & A106 Carbon Steel Thick Wall Pipe And/or Tube [Machined] "Material Certs Available"
Paint: Powder Coating "Red"
Meters: Body (Aluminum), 4" Dial, 1/4" Npt Connections, 304ss Case with Rubber Ring, Glass Window, Seal (Buna-n)
Ball Valves: Brass (Ca360)
Brass Fittings: Brass (Ca360)
Hoses: Rubber Hose W/ Brass (Ca360) Fittings (Rating: 750 Psi Working Pressure)



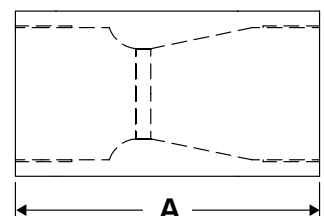
Flanged



Butt Weld



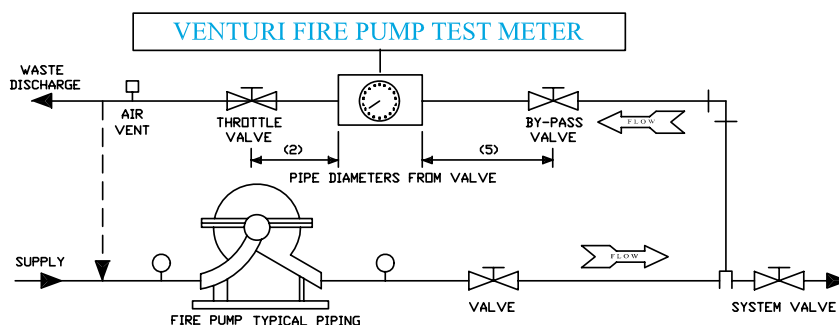
Grooved



Threaded

Flowmeter - DP

Operating Instructions



1. Close system valve.
2. Open system by-pass valve and throttle valve.
3. Purge meter located on venturi as follows:
 - Open station shut-off valves (below meter) and vent valves (above meter).
 - When a steady stream of water is passing through each plastic hose, meter is purged of air. Close vent valves after air purging.
4. Start fire pump and read meter in GPM.
5. Refer to pump GPM requirements and adjust throttle valve for this requirement.
6. After test, open system valve and close system by-pass and throttle valves.



Flow Devices

Flow Devices

Flowmeter - DP

Physical Data

Nominal Size	Pipe O.D. (mm)	Pump Size (l.p.m. / g.p.m.)	Range				Grooved / Butt Weld				Flanged #150*				Threaded	
			l.p.m.		g.p.m.		Reference Grooved	Reference Butt Weld	A (mm/in)	Weight (kg/lbs)	Reference Flanged	A (mm/in)	Weight (kg/lbs)	Reference Threaded	A (mm/in)	Weight (kg/lbs)
Metric	inch		min	max	min	max										
DN32	1 1/4**	42.4	47	189	12.5	50	--	--	--	--	--	--	--	125-25-T	124 / 4.875	1 / 2
DN50	2**	60.3	95	379	25	100	--	--	--	--	--	--	--	2-50-T	127 / 5	2 / 3.5
DN65	2 1/2**	73.0	379 / 100	189	757	50	200	25-100-G	25-100-B	102 / 4.0	2 / 5	25-100-F	235 / 9.25	10 / 21	--	--
DN80	3	88.9	568 / 150	284	1136	75	300	3-150-G	3-150-B	102 / 4.0	3 / 6	3-150-F	101 / 3.975	14 / 30	--	--
			757 / 200	379	1514	100	400	3-200-G	3-200-B			3-200-F				
			946 / 250	473	1893	125	500	4-250-G	4-250-B			4-250-F				
DN100	4	114.3	1136 / 300	568	2271	150	600	4-300-G	4-300-B	111 / 4.375	5 / 10	4-300-F	289 / 11.375	18 / 40	--	--
			1514 / 400	757	3028	200	800	4-400-G	4-400-B			4-400-F				
			1703 / 450	852	3407	225	900	4-450-G	4-450-B			4-450-F				
DN125	5	141.3	1703 / 450	852	3407	225	900	5-450-G	5-450-B	152 / 6.0	9 / 20	5-450-F	330 / 13.0	26 / 58	--	--
			1893 / 500	946	3780	250	1000	5-500-G	5-500-B			5-500-F				
			2839 / 750	1420	5678	375	1500	5-750-G	5-750-B			5-750-F				
DN150	6	168.3	1893 / 500	946	3785	250	1000	6-500-G	6-500-B	178 / 7.0	10 / 22	6-500-F	356 / 14.0	32 / 70	--	--
			2839 / 750	1420	5678	375	1500	6-750-G	6-750-B			6-750-F				
			3785 / 1000	1893	7571	500	2000	6-1000-G	6-1000-B			6-1000-F				
DN200	8	219.1	4732 / 1250	2366	9464	625	2500	6-1250-G	6-1250-B	184 / 7.25	20 / 45	6-1250-F	387 / 15.25	49 / 107	--	--
			3785 / 1000	1893	7571	500	2000	8-1000-G	8-1000-B			8-1000-F				
			4732 / 1250	2366	9464	625	2500	8-1250-G	8-1250-B			8-1250-F				
DN250	10	273.0	5678 / 1500	2839	11356	750	3000	8-1500-G	8-1500-B	203 / 8.0	28 / 61	8-1500-F	406 / 16.0	75 / 165	--	--
			11356 / 3000	5678	22712	1500	6000	10-3000-G	10-3000-B			10-3000-F				
			13249 / 3500	6624	26498	1750	7000	10-3500-G	10-3500-B			10-3500-F				
DN300	12	323.9	15142 / 4000	7571	30283	2000	8000	10-4000-G	10-4000-B	305 / 12.0	58 / 128	10-4000-F	533 / 21.0	131 / 288	--	--
			17034 / 4500	8517	34069	2250	9000	10-4500-G	10-4500-B			12-4500-F				
			18972 / 5000	9464	37854	2500	10000	12-5000-G	12-5000-B			12-5000-F				

* #300 Flanges for 34.5 bar (500 psi) working pressure also available

** Not FM Approved

*** 14" sizes available on request (non-approved)



Flowmeter DP