

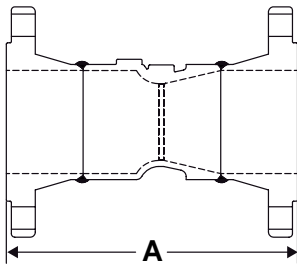


Flowmeter

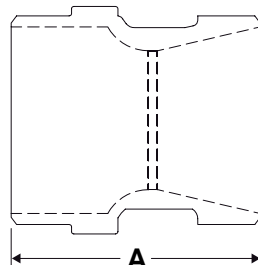
DP

Technical Features

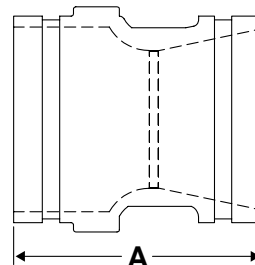
- **Sizes Available :**
Butt Weld, Flanged & Grooved : DN65/2 1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10" and DN300/12".
Threaded Ends : DN32/1 1/4" and DN50/2"
- **Pressure Data :**
Working Pressure :
34,5 bar (500 psi) for Butt Welded and Grooved Ends.
19 bar (275 psi) for ANSI 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)



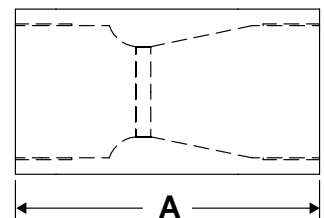
Flanged



Butt Weld



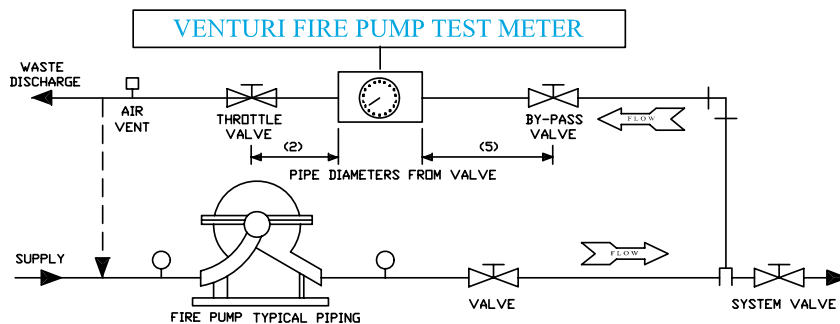
Grooved



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

Flowmeter - DP

Nominal Size	Metric	Inch	Pipe O.D. (mm)	Pump Size (l.p.m. / g.p.m.)	Range				Grooved / Butt Weld		Flanged #150*		Physical Data			
					l.p.m.	g.p.m.	min	max	Reference Grooved	Reference Butt Weld	A (mm/in)	Weight (kg/lbs)	Reference Flanged	A (mm/in)	Weight (kg/lbs)	Reference Threaded
DN32	1 1/4**	42.4	95 / 25	47	189	12.5	50	--	--	--	--	--	--	125-25-T	124 / 4.875	1 / 2
DN50	2**	60.3	189 / 50	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	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	101 / 3.975	14 / 30	--	--	--
DN100	4	114.3	946 / 250	473	1893	125	500	4-250-G	4-250-B	111 / 4.375	5 / 10	289 / 11.375	18 / 40	--	--	--
DN125	5	141.3	1703 / 450	852	3407	225	900	5-450-G	5-450-B	152 / 6.0	9 / 20	330 / 13.0	26 / 58	--	--	--
DN150	6	168.3	2839 / 750	1420	5678	375	1500	6-750-G	6-750-B	178 / 7.0	10 / 22	356 / 14.0	32 / 70	--	--	--
DN200	8	2191	4732 / 1250	2366	9464	625	2500	6-1250-G	6-1250-B	184 / 7.25	20 / 45	387 / 15.25	49 / 107	--	--	--
DN250	10	273.0	4732 / 1250	2366	9464	625	2500	6-1250-G	6-1250-B	203 / 8.0	28 / 61	406 / 16.0	75 / 165	--	--	--
DN300	12	323.9	5678 / 1500	2839	11356	750	3000	10-1500-G	10-1500-B	305 / 12.0	58 / 128	533 / 21.0	131 / 288	--	--	--
			9463 / 2500	4732	18927	1250	5000	10-2500-G	10-2500-B					--	--	--
			13249 / 3500	6624	26498	1750	7000	10-3500-G	10-3500-B					--	--	--
			17034 / 4500	8517	34069	2250	9000	10-4500-G	10-4500-B					--	--	--
			1356 / 3000	5678	22712	1500	6000	12-3000-G	12-3000-B					--	--	--
			11356 / 3000	5678	22712	1500	6000	12-3000-G	12-3000-B					--	--	--
			13249 / 3500	6624	26498	1750	7000	12-3500-G	12-3500-B					--	--	--
			17034 / 4500	8517	34069	2250	9000	12-4500-G	12-4500-B					--	--	--
			18972 / 5000	9464	37854	2500	10000	12-5000-G	12-5000-B					--	--	--

* #3000 Flanges for 34.5 bar (500 psi) working pressure also available

** Not FM Approved

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