



Flowmeter

K

Technical Features

- **Sizes Available :**
Butt Weld, Grooved Ends : 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 bar (500 psi) for Butt Welded and Grooved Ends.
19 bar (275 psi) for ANSI 125 Flanged Ends.
- **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.
Butt Weld.
- **Accuracy :** +/- 1% of reading.



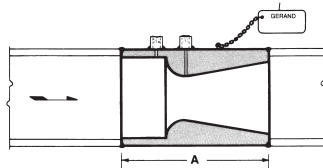
Flow Devices

Flowmeter - K

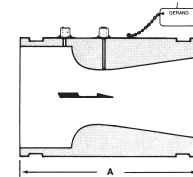
Physical Data (1)

Nominal Size	Pipe O.D. (mm)	Pump Size (dm ³ /min / g.p.m.)	Range				Reference	Butt Weld		Grooved			
			dm ³ /min		g.p.m.			A (mm/in)	Weight (kg/lbs)	Reference	A (mm/in)	Weight (kg/lbs)	
Metric	inch		min	max	min	max							
DN65	2 1/2	73.0	379 / 100	190	760	50	200	K01000250	76.2 / 3.0	5.1 / 11.2	K01000250G	101.6 / 4.0	
DN80	3	88.9	568 / 150	280	1135	75	300	K01500300	88.9 / 3.5	5.1 / 11.2	K01500300G	111.8 / 4.4	5.2 / 11.5
			757 / 200	380	1520	100	400	K02000300G		6.0 / 13.2	K02000300G		4.6 / 10.1
DN100	4	114.3	946 / 250	475	1900	125	500	K02500400	88.9 / 3.5	6.0 / 13.2	K02500400G	96.5 / 3.8	6.0 / 13.2
			1136 / 300	570	2270	150	600	K03000400G		6.0 / 13.2	K03000400G		5.7 / 12.6
			1703 / 450	840	3400	225	900	K04500400G		6.0 / 13.2	K04500400G		6.0 / 13.2
DN125	5	141.3	1893 / 500	950	3780	250	1000	K05000500	127.0 / 5.0	7.0 / 15.4	K05000500G	127.0 / 5.0	7.0 / 15.4
DN150	6	168.3	2839 / 750	1420	5700	375	1500	K07500600	152.4 / 6.0	8.5 / 18.7	K07500600G	152.4 / 6.0	7.7 / 17.0
			3785 / 1000	1900	7600	500	2000	K10000600		7.3 / 16.1	K10000600G		7.1 / 15.7
			4732 / 1250	2370	9500	625	2500	K12500600		8.1 / 17.9	K12500600G		7.3 / 16.1
DN200	8	219.1	5678 / 1500	2800	11350	750	3000	K15000800	177.8 / 7.0	12.0 / 26.5	K15000800G	177.8 / 7.0	10.0 / 22.0
			7571 / 2000	3800	15200	1000	4000	K20000800		10.5 / 23.2	K20000800G		10.3 / 22.7
			9463 / 2500	4750	19000	1250	5000	K25000800		12.0 / 26.5	K25000800G		10.0 / 22.0
			11356 / 3000	5700	22700	1500	6000	K30000800		10.2 / 22.5	K30000800G		10.2 / 22.5
DN250	10	273.0	13249 / 3500	6620	26500	1750	7000	K35001000	203.2 / 8.0	18.5 / 40.8	K35001000G	203.2 / 8.0	18.5 / 40.8
			15142 / 4000	7600	30300	2000	8000	K40001000		18.5 / 40.8	K40001000G		20.0 / 44.1
			17034 / 4500	8400	34000	2250	9000	K45001000		18.5 / 40.8	K45001000G		15.0 / 33.1
DN300	12	323.9	18972 / 5000	9500	37800	2500	10000	K50001200	304.8 / 12.0	25.0 / 55.1	K50001200G	304.8 / 12.0	25.0 / 55.1

Butt Weld



Grooved





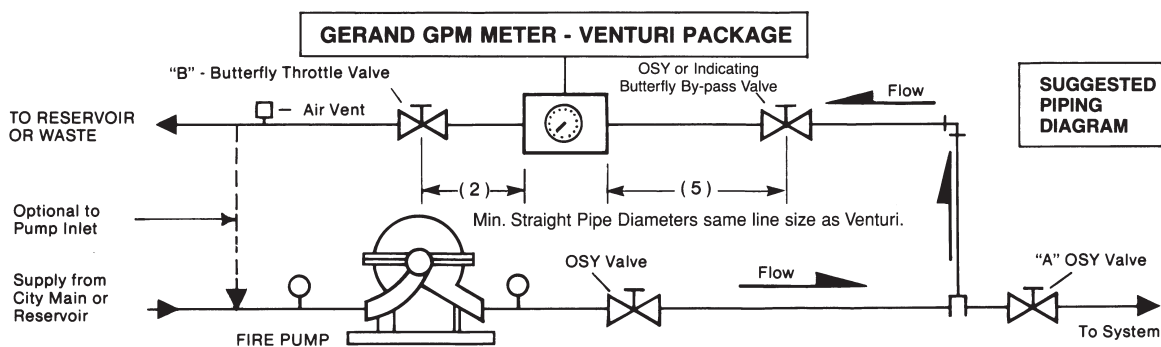
Flowmeter

K

Flowmeter - K

Physical Data (2)

Nominal Size		Pipe O.D. (mm)	Pump Size (dm ³ /min/g.p.m.)	Range				Threaded		
Metric	inch			dm ³ /min		g.p.m.		Reference	A (mm/in)	Weight (kg/lbs)
				min	max	min	max			
DN32	1 1/4	42.2	97 / 25	47.5	190	12.5	50	K00250125	121.9 / 4.8	6 / 13.2
DN50	2	60.3	189 / 50	95	380	25	100	K00500200	109.2 / 4.3	6 / 13.2



Flowmeter - K

Operating Instructions

1. Close system OS&Y valve "A".
2. Open OS&Y by-pass valve and "B" butterfly 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 OS&Y valve "A" and close by-pass and "B" valves.