Venturi Flow Test Meter / Model AYV

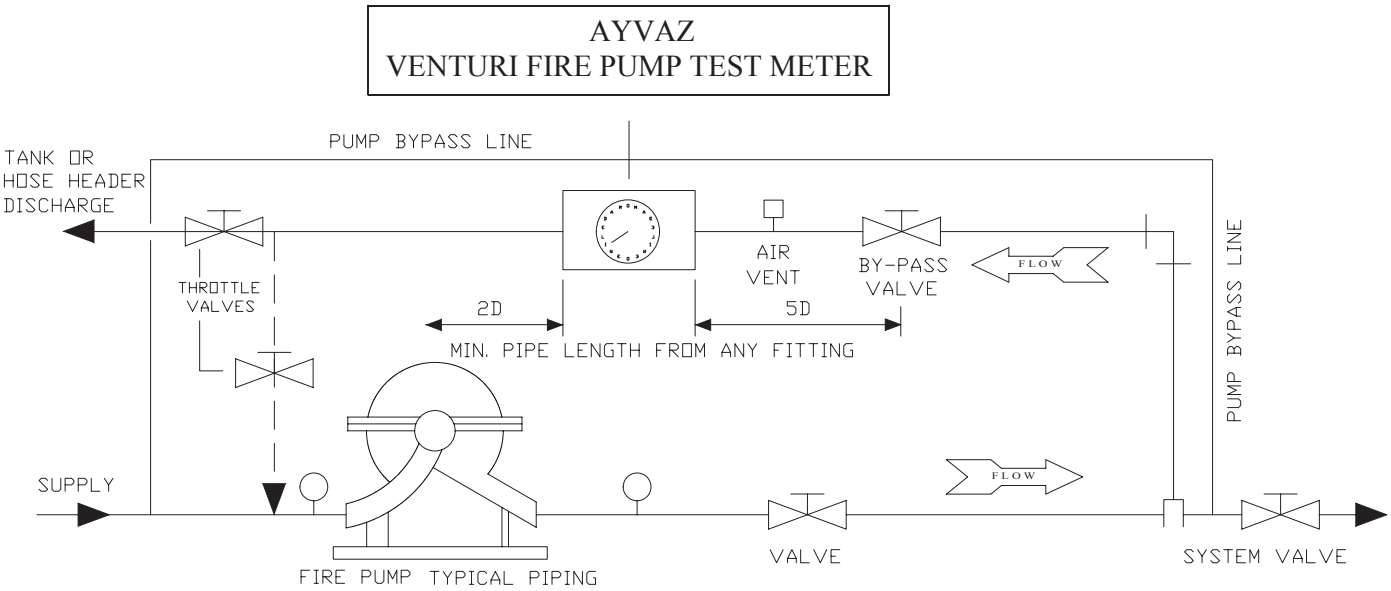
Construction & Specifications

Materials	: Carbon steel	
Valves	: Brass	
Connection & Rated Pressure	: Welded	-500PSI
	: Grooved	-500PSI
	Flanged #150	-275PSI
	Flanged #300	-500PSI
Hose	: Rubber with brass fittings	
ID Tag	: Polycarbonate	

Meter Device

Body	: Aluminium
Operation	: Diaphragm
Accuracy	: +%2 Full Scale
Temperature	: 80°C
Pressure	: 500PSI
Weight	: 1.7kg
Size	: 4" Dial

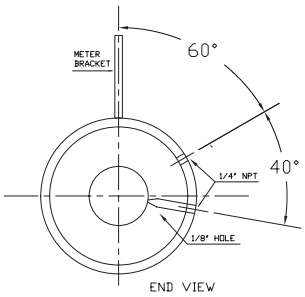
Installation



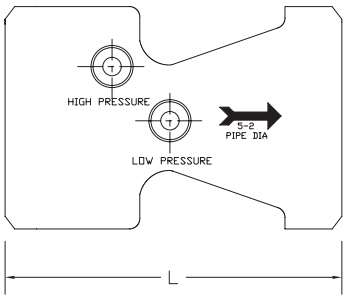
Operating instructions

1- Close system valve
2- Open system by-pass valve and throttle valve
3- Purge meter located on venturi as follows:
   - Open shut-off valves & 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- Start fire pump, read meter in gpm/lpm
5- Refer to pump gpm/lpm requirement and adjust Throttle valve for this requirement.
6- After test open system valve and close system By-pass and throttle valves.

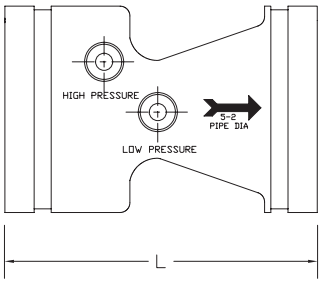
FIRE PUMP FLOWMETER SYSTEM



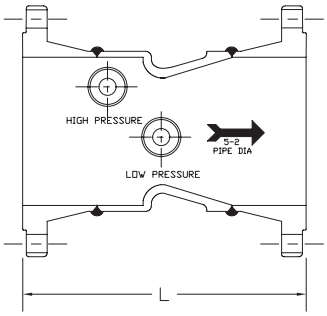
BUTT WELD / GROOVED



BUTT WELD



GROOVED



FLANGED

SIZE	PUMP CAPACITY	FLOW RANGE		MIN. STRAIGHT PIPE LENGTH (mm)		BUTWELD		GROOVED		FLANGED (RF) # 150LB	
		MIN	MAX			L (mm)	WEIGHT (KG)	L (mm)	WEIGHT (KG)	L (mm)	WEIGHT (KG)
	GPM	GPM		BEFORE	AFTER						
2 1/2"	100	50	200	365	146	101,6	4,9	101,6	4,5	241,3	13,6
3"	150	75	300	445	178	88,9	5,4	88,9	5,8	228,6	17,6
	200	100	400								
4"	200	100	400	570	228	95,25	6,3	95,25	6,3	241,3	23,1
	250	125	500								
	300	150	600								
	450	225	900								
5"	500	250	1000	695	278	127	6,8	127	6,8	304,8	24,9
	750	375	1500								
6"	500	250	1000	840	336	152,4	7,7	152,4	7,7	330,2	32,2
	750	375	1500								
	1000	500	2000								
	1250	625	2500								
8"	1000	500	2000	1095	438	177,8	9	177,8	9	381	56,2
	1250	625	2500								
	1500	750	3000								
	2000	1000	4000								
	2500	1250	5000								
	3000	1500	6000								
10"	1500	750	3000	1365	546	203,2	10,4	203,2	10,4	406,4	78,9
	2000	1000	4000								
	2500	1250	5000								
	3000	1500	6000								
	3500	1750	7000								
	4000	2000	8000								
	4500	2250	9000								
	5000	2500	10000								
12"	3500	1750	7000	1620	648	304,8	28	304,8	28	533,4	121,5
	4000	2000	8000								
	4500	2250	9000								
	5000	2500	10000								