

Variable Area Flow Meter

Quality Machining & Metalworks offers following variable area flow meters for direct reading of the flow in process lines.

- Acrylic Body Rotameter
- Glass Tube Rotameter
- Metal Tube Rotameter
- By-Pass Rotameter
- Low Flow Rotameter

Acrylic Body Rotameter

This type of rotameter is recommended for non corrosive fluids. It is machined from solid acrylic bar alongwith the integral metering tube and engraved scale. It is mainly recommended for line sizes from $\frac{1}{4}$ " to 3".

Flow range : From 0.6 – 6 LPH TO 1200 – 12000 LPH of Water.

Glass Tube Rotameter

This type of rotameter is recommended for inline installation. It is available in flanged or screwed connection and various materials i.e. CS, SS304, SS 304L, SS 316, SS 316L, PTFE lined etc. It is mainly recommended for line sizes from $\frac{1}{2}$ " to 3"

Flow ranges : From 3 – 30 LPH TO 2500 – 25000 LPH of Water

Metal Tube Rotameter

This type of rotameter is recommended for measurement of translucent fluids with high pressure and temperature. It is available in flanged connection and various materials i.e. CS, SS304, SS 304L, SS 316, SS 316L, etc. It is mainly recommended for line sizes from $\frac{1}{2}$ " to 4"

Flow ranges : From 30 – 300 LPH TO 4000 – 40000 LPH of Water

By-Pass Rotameter

This type of rotameter is recommended for flow measurements in more than 50 NB pipe lines. It consists of a complete set of orifice plate, carrier rings, bypass lines and rotameter. It is available in flanged or screwed connection and various materials i.e. CS, SS304, SS 304L, SS 316, SS 316L etc. It is mainly recommended for line sizes from 2" to 12"

Flow range : From 20 – 200 m³/Hr. TO 80 – 800 m³/Hr.

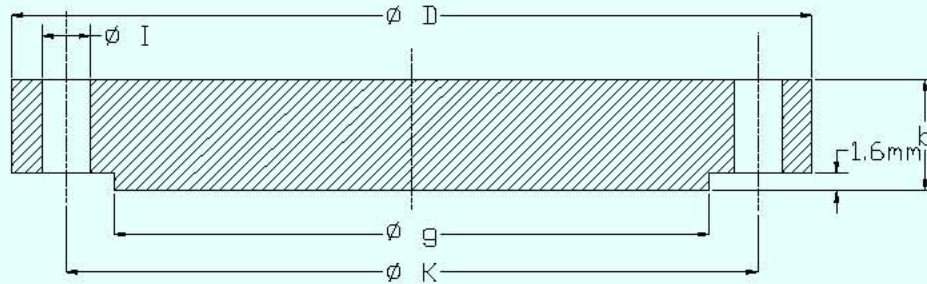


Low Flow Rotameter

This type of rotameter is recommended for low flow measurements and purging applications. It is available in screwed connection particularly $\frac{1}{4}$ " NPT / BSP and various materials i.e. CS, SS304, SS 304L, SS 316, SS 316L etc.

Flow ranges : From 0.6 – 160 LPH of water @ amb. Temperature AND 1.0 – 5000 LPH of Air @ NTP

Flange Dimensions as per ANSI (ASA) B16.5 150#BLRF



Pipe		Flange		Raised Face	Drilling Template			Approx. weight in Kgs.
Size	O.D. in mm	D in mm	b in mm	g in mm	No. of holes	I in mm	k in mm	
½"	21.34	88.9	11.2	35.1	4	15.7	60.5	0.42
¾"	26.67	98.6	12.7	42.9	4	15.7	69.9	0.61
1"	33.40	108.0	14.3	50.8	4	15.7	79.2	0.86
1¼"	42.16	117.3	15.7	63.5	4	15.7	88.9	1.17
1½"	48.26	127.0	17.5	73.2	4	15.7	98.6	1.53
2"	60.32	152.4	19.1	91.9	4	19.1	120.7	2.42
2½"	73.02	177.8	22.4	104.6	4	19.1	139.7	3.94
3"	88.90	190.5	23.9	127.0	4	19.1	152.4	4.93
3½"	101.60	215.9	23.9	139.7	8	19.1	177.8	6.17
4"	114.30	228.6	23.9	157.2	8	19.1	190.5	7.0
5"	141.30	254.0	23.9	185.7	8	22.4	215.9	8.63
6"	168.27	279.4	25.4	215.9	8	22.4	241.3	11.3
8"	219.07	342.9	28.4	269.7	8	22.4	298.5	19.6
10"	273.05	406.4	30.2	323.9	12	25.4	362.0	28.8
12"	323.85	482.6	31.8	381.0	12	25.4	431.8	43.2
14"	355.60	533.4	35.1	412.8	12	28.4	476.3	58.1
16"	406.40	596.9	36.6	469.9	16	28.4	539.8	76.0
18"	457.20	635.0	39.6	533.4	16	31.8	577.9	93.7
20"	508.00	698.5	42.9	584.2	20	31.8	635.0	122.0
24"	609.60	812.8	47.8	692.2	20	35.1	749.3	185.0