

RotoFlo SERIES

Plastic Rotameter

Order from:
C A Briggs Company
 622 Mary Street; Suite 101
 Warminster, PA 18974
 Phone: 267-673-8117 - 800-352-6265
 Fax: 267-673-8118
 Sales@cabriggs.com - www.cabriggs.com



- Ideal for Plastic Piping
- Quick Visual Indication
- Low Cost
- Simple Installation
- No Guide Rods

Rotoflo Series Flow Meters provide a combination of accurate visual flow rate measurement and clear flow indication from a distance. Optional limit switches allow the units to signal a low or high flow alarm

FEATURES

- Quick & Clear Visual Indication
- True Union Design for easy installation and removal
- Flow ranges from 0.02 - 880 GPM
- Ideal for All Types of Plastic Piping
- Low Pressure Drop
- PVC-CPVC- End Connections
- Optional Limit Switches
- 4-20mA Output Available



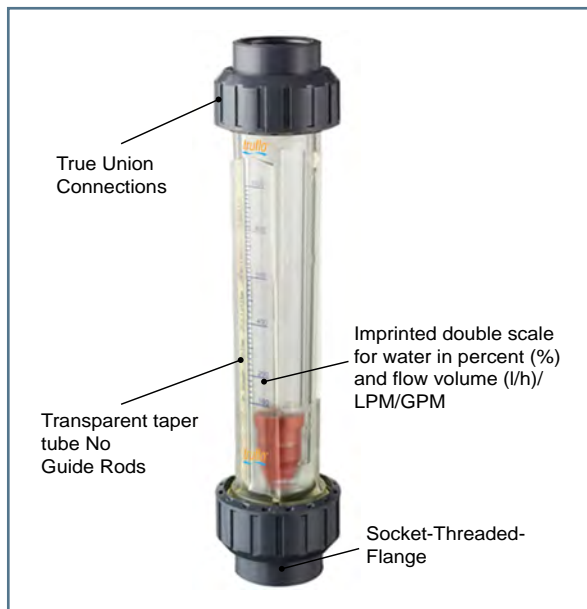
$$G = A + K$$

Measuring principle- Three main forces act on the float

- The weight - G
- The buoyancy - A
- The flow force - K

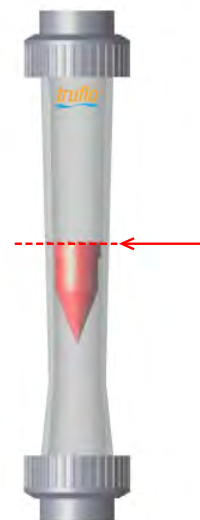
Main advantages

- No Auxiliary Power Required
- Cost Effective
- High Impact + corrosion-resistance
- Accessories like sensor 4-20 mA and limit contacts
- Low Installation costs
- Low pressure loss
- Can be used for liquids and gases
- Volume- and % scale as standard



Accurate reading

The top edge of the float indicates the flow volume. Rotoflo Meters must be installed vertically with flow direction from bottom to top



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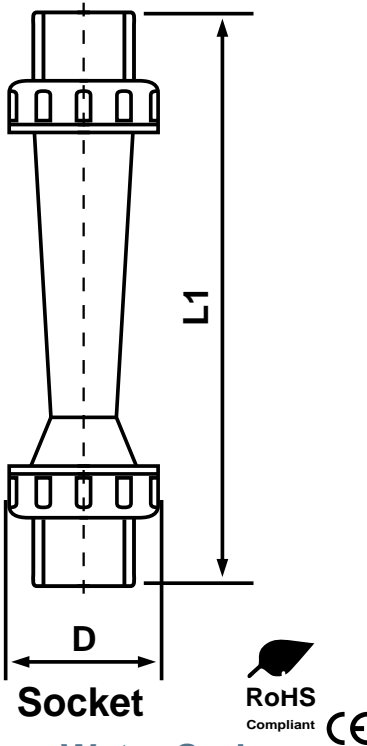
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Spare Parts

1	Taper tube
2	Float
3	Bottom insert
4	Top insert
5	Union nut
6	Union end
7	O-Ring
8	Flow value indicator
9	Limit contact



RF Series - Chemical Series - PolySulphone

End Conn, Size	Item Number		Flow Range (water)		Dimensions (inches)			Pressure Drop (psi) ¹	
	Long	Short	USGPM	Litres per hour	C	L ¹	D	Water	Air
1/2"	RFP 00020	RFAS 00020	0.022 - 0.22	5 - 50	2.20	7.95	1.77	0.05	0.07
	RFP 00060	RFAS 00060	0.044 - 0.44	10 - 100	6.50	7.95	1.77	0.05	0.07
	RFP 00100	RFAS 00100	0.07 - 0.70	16 - 160	6.50	7.95	1.77	0.05	0.07
	RFP 00250	RFAS 00250	0.11 - 1.10	25 - 250	6.50	7.95	1.77	0.05	0.07
	RFP 00051	RFAS 00051	0.22 - 2.20	50 - 500	6.69	11.02	1.77	0.04	0.06
	RFP 00151	RFAS 00151	0.26 - 2.60	60 - 600	6.69	11.02	1.77	0.04	0.06
1"	RFP 00251	RFAS 00251	0.44 - 4.40	100 - 1000	6.69	11.02	1.77	0.04	0.06
	RFP 00401	RFAS 00401	0.44 - 4.44	100 - 1000	6.69	8.86	2.36	0.04	0.06
	RFP 00152	RFAS 00151	0.70 - 7.00	160 - 1600	7.28	14.90		0.09	0.12
1 1/2"	RFP 00402	RFAS 00402	1.10 - 1.10	250 - 2500	7.28	14.90		0.09	0.12
	RFP 00602	RFAS 00602	1.76 - 17.60	400 - 4000	7.28	11.30	2.91	0.09	0.12
2"	RFP 01022	RFAS 01022	2.64 - 26.40	600 - 6000	7.28	11.30	2.91	0.09	0.12
	RFP 00253	RFAS 00253	4.40 - 44.00	1000 - 10000	7.87	13.40	3.85	0.09	0.12
2 1/2"	RFP 00403	RFAS 00403	7.00 - 70.00	1600 - 16000	7.87	13.40	3.85	0.09	0.12
	RFP 00600	RFAS 00600	11 - 710	2500 - 16000	13.78	16.90	4.80	0.18	0.23
	RFP 01000	RFAS 01000	22 - 110	5000 - 25000	13.78	16.90	4.80	0.18	0.23
	RFP 01500	RFAS 01500	35 - 176	8000 - 40000	13.78	16.90	4.80	0.18	0.23
4"	RFP 02500	RFAS 02500	53 - 264	12000 - 60000	13.78	16.90	4.80	0.18	0.23
	RFP 02000	RFAS 02000	60 - 400	14000 - 90000	13.78	21.60		0.18	0.23
	RFP 03000	RFAS 03000	80 - 660	16000 - 120000	13.78	21.60		0.18	0.23
6"	RFP 04000	RFAS 04000	88 - 795	20000 - 180000	13.78	21.60		0.32	0.39
	RFP 06000	RFAS 06000	60 - 400	14000 - 90000	13.78	22.00		0.32	0.39
	RFP 10000	RFAS 10000	80 - 660	16000 - 120000	13.78	22.00		0.32	0.39
	RFP 15000	RFAS 15000	88 - 795	20000 - 180000	13.78	22.00		0.49	0.58
	RFP 25000	RFAS 25000	110 - 880	25000 - 200000	13.78	22.00		0.49	0.58

RF Series -Water Series

Model	Water		Thread	Socket	Price
	GPM	LPM			
RF-6155	0.1-1 0.2-2 0.5-5	.5-4 1-7 1.8-18	1/2"NPT 3/4"NPT	1/2"	\$119
RF-6255	.8-8 1.0-10	3-30 4-40	1"NPT	1"	\$129
RF-6355	1.2-12 2.20 2.5-25	5-50 8-80 10-100	1 1/2"NPT	1 1/2"	\$149
RF-6505	2.5-25 5-45 7-70	10-100 20-180 25-250	2"NPT	2"	\$169
RF-7505	25-1100 40-160 50-250	80-400 150-650 200-1000	2 1/2"NPT	2 1/2"	\$189

Conversion Chart - Flow Units

From To	m3/hr	litres/hr	USGPM	ImpGPM	ft3/min
m ³ /hr	1	1000	4.4029	3.6662	0.5886
litres/hr	0.001	1	.004403	.003666	.000589
USGPM	0.2271	227.12	1	0.8327	0.1337
ImpGPM	0.2728	272.77	1.2009	1	0.1605