

ASTER ROTAMETERS



The rotameter operation is based on Variable Area Principle. Fluid flow raises a float in a tapered tube, increasing the area of passage of the fluid. The greater the flow rate, the higher the float is raised. The level of the float is directly proportional to the flow rate. The float reaches the stable position in the tube when the upward force entered by the flowing liquid equals to the downward gravitational force entered by the weight of float. Aster provides a full range of rotameters for your applications.



PANEL MOUNT



ONLINE



TRICHLOR



FLANGED
(PP/SS)

**** Customer Must confirm the type of Rotameter from above**

NEW!



NG Rotameters with
TINTED GLASS reduce
the chances of algae
formation by 40%

*Available in panel/
online & field mount

KEY ATTRIBUTES

- A varied range of flow rate from **10 LPH TO 60000 LPH**
- Over **15 DIFFERENT MODELS** available to suit all ranges
- **SS 316 TRICHLOR END FITTING FOR FOOD GRADE APPLICATION**
- Each rotameter is **FACTORY CALIBRATED** with readings traceable to **(CWPRS)** Government body standards.
- **TEMPER-PROOF & SUNLIGHT-PROOF GRADUATION STICKER**
- Enhanced meter readability using **PRECISION TEXTURED BODY**
- **SS 316 ROD & FLOAT** in the rotameter for rust free usage.
- Each float is buffed for **ACCURACY & REPEATABILITY**
- Single piece, injection moulded, **polycarbonate** body for **TRANSPARENCY & STRENGTH**
- **LOW PRESSURE DROP**
- Each rotameter is **HYDRO-TESTED** at **8kg/cm²** pressure.

ROTAMETER

Technical Specification of Rotameter

Fluid	Water
S.G. Of Medium	1
Max. Operating Pressure	5 kg/cm ²
Max. Operating Temperature	60°C
Accuracy	± 2% of FSD
Scale Graduation	LPH/LPM
End Connection	1 / 2 " to 2 1 / 2 " BSP & PP/SS Flange, SS Tri-Cover
Configuration - Inlet - Outlet	Bottom Top
Mounting	Panel/Online
Scale Sticker	Tamper Proof
Float	SS 316L
Body Material	Polycarbonate
Nut/End Nipple Material Flange	ABS PP/SS

AVAILABLE FLOW RANGES

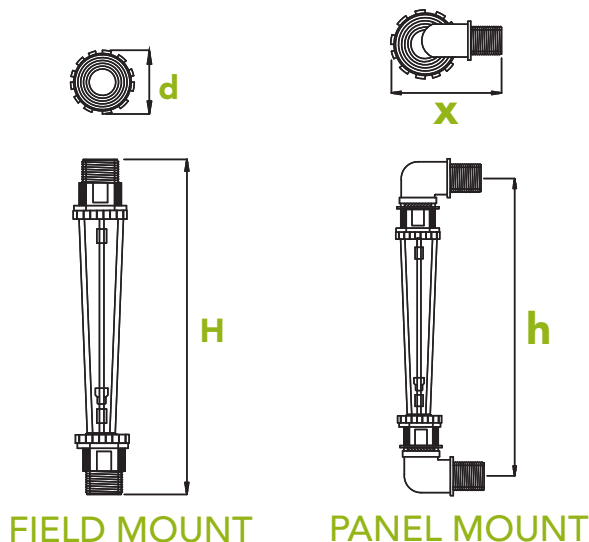
PLASTIC THREADED END								
FEATURE MODEL	H	**h	d	*D	X	IN/OUT NOZZLES	FLOW RANGE LPH	LEAST COUNT LPH
F100	165	154	42	24	45	½" M	10-100	10
F200	165	154	42	24	45	½" M	20-200	10
F600	165	154	42	24	45	½" M	50-600	50
F1200s	165	154	42	24	45	½" M	200-1200	100
F1200	255	260	50	30	80	¾" M	100-1200	100
F2400	255	260	50	30	80	¾" M	200-2400	200
F3000	255	260	50	30	80	¾" M	300-3000	300
F5000L	400	385	80	34	120	1" M	500-5000	500
F7500	400	390	80	50	120	1½" M	500-7500	500
F10000	400	390	80	50	120	1½" M	2000-10000	500
F12000L	400	390	80	50	120	1½" M	3000-12000	500
F15000L	400	390	80	50	120	1½" M	3000-15000	500
F20000*	480	605	116	75	140	2" F	2000-20000	2000
F30000*	480	605	116	75	140	2" F	3000-30000	3000
F50000	480	605	116	75	140	2½" M	10000-50000	5000

**Note: Suffix 'E' should be used for Panel mount and 'O' for Online

Note: For Panel mount rotameter, the panel should have **two holes of *D mm dia with a centre to centre distance of **h mm

*F20000 & F30000 available in 2½" M for panel mount as per technical specification

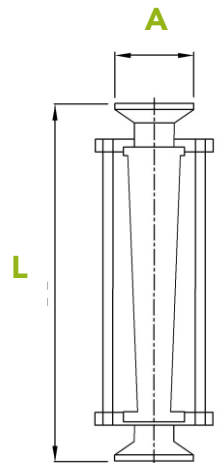
• All dimensions are in mm.



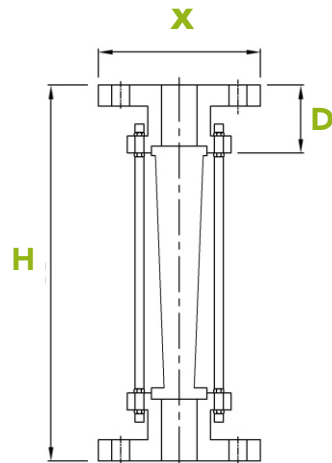
AVAILABLE FLOW RANGES

	SS/PP FLANGE TYPE				TC TYPE			
FEATURE	X	D	H	BSTD FLANGE	L	A	FLOW RANGE LPH	LEAST COUNT LPH
MODEL								
F100 O	NA	NA	NA	NA	162	60	10-100	10
F200 O	NA	NA	NA	NA	162	60	20-200	10
F600 O	NA	NA	NA	NA	162	60	50-600	50
F1200s O	NA	NA	NA	NA	162	60	200-1200	100
F1200 O	114.3	74	300	25NB	230	75	100-1200	100
F2400 O	114.3	74	300	25NB	230	75	200-2400	200
F3000 O	114.3	74	300	25NB	230	75	300-3000	300
F5000 O	134	62	300	40NB	270	87	500-5000	500
F9000 O	134	62	300	40NB	270	87	1000-9000	500
F12000 O	134	62	300	40NB	270	87	3000-12000	500
F15000 O	134	62	300	40NB	270	87	4000-15000	500
F20000 O	165.1	68	500	65NB	500	NA	2000-20000	2000
F30000 O	165.1	68	500	65NB	500	NA	3000-30000	3000
F50000 O F60000 O	165.1	68	500	65NB	500	NA	10000-50000 10000-60000	5000

- Accuracy: $\pm 2\%$ of FSD
 - Calibration: Water Sp.Gr.1
 - Pressure Drop: 0.3kg/cm^2 (At Max.Flow)
 - Max. Operating Temp.: 60°C
 - Max. Operating Pressure: 5kg/cm^2
 - All dimensions are in mm.
- * F20000, F30000, F50000 & F60000 also available in 80 NB BSTD Flange



TRI-CHLOR



FLANGE TYPE