



Aspire Engineering

CATALOGUE – PURGE SERIES – P-300
VARIABLE AREA

PURGE ROTAMETER

MODEL: P-301, P-302

Rev. 0, April 2019

DESCRIPTION

Purge Type Rotameter work on the principle of traditional variable area technology. The P-300 series flow meters are specifically designed for low flow rates. These are optionally comes with integrated needle valves for the fine adjustment of the flow.

DESIGN FEATURES

Rib guided glass tubes facilitate stable, accurate readings

Panel Mountable.

Interchangeability of flow tubes and floats

Easy of installation & Low installation costs

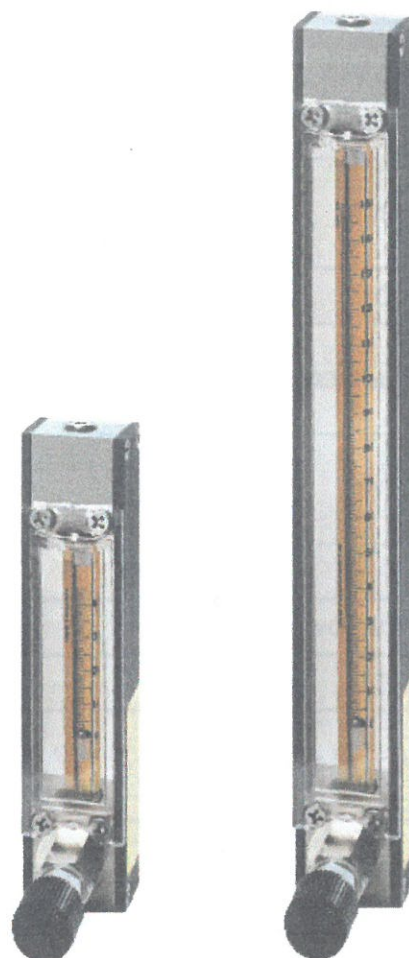
Detachable Scale, Optional: Direct scale reading on Tube

Tube Background Yellow (Optional)

Clear Acrylic Front Window

PRODUCT SPECIFICATIONS

Accuracy	+/- 5% FSD, Optional: +/- 2% FSD
Repeatability	+/- 1 % FSD
Capacities	Please write to factory
Pressure Rating	200 PSIG (Maximum)
Temperature Rating	90 Deg C (Maximum)
Dimensions	Consult Factory
Scales	Model: P-301 Nominal scale length: 60 mm
	Model: P-302 Nominal scale length: 150 mm
Optional Equipments	Needle Valve at Inlet / Out Let Panel mounting Lock Nuts



Model: P-301

Model: P-302

DIMENSIONS

	Model: P-301	Model: P-302
Total Height	140 mm (+/- 3)	250 mm (+/- 3)
Total Width	31.4 mm (+/- 1)	31.4 mm (+/- 1)
Center to Center	115 mm (+/- 3)	225 mm (+/- 3)

For other details consult Factory

Aspire Engineering

Barakoti, Dist. Jajpur, Odisha - 755013

Ph: 9090399765; 8826112386

e-mail: sales@aspireengg.co.in ; salesaspireengg@gmail.com



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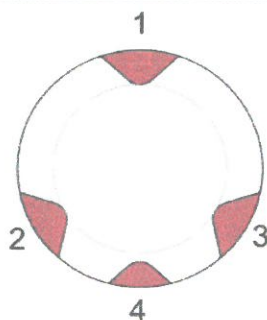
MATERIAL OF CONSTRUCTION	
METERING TUBES	Heavy Walled Borosilicate Glass
FLOATS	316SS, 304SS, Sapphire, Black Glass, PTFE, Tungsten Carbide
END FITTINGS	Standard: 316 SS
	Optional: 304 SS, Brass, Aluminum
FLOAT STOPS	PTFE
O-RINGS & PACKING	Standard: Neoprene / Silicone
	Optional: Viton, EPDM, PTFE (Packing)
SIDE PLATES	Standard: Aluminum (HE-30) with Powder coat, Optional 316 SS
	Optional: 316 SS
SCALE	Black Anodized Aluminum with Laser engraving.
FRONT WINDOW	Acrylic – Clear
BACK PLATE	Acrylic – Milky White
CONNECTIONS TYPE & SIZE	Standard: Threaded – ¼" BSPF
	Optional: ¼" NPTF, 1/8" BSPF, 1/8" NPTF
CONNECTIONS ORIENTATION	INLET: Horizontal – Rear (Bottom)
	OUTLET: Horizontal – Rear (Top)
Optional Equipments	Needle Valve at Inlet / Out Let in 316 SS Adapter Locknuts for Panel mounting in 316 SS

4th RIB Technology for Metering Glass Tubes:

Introduced 4th rib technology

Rotameters for better Float stability and the excellent Scale span.

These glass tubes are made with Heavy wall Borosilicate Glass to withstand high pressures.



1, 2 & 3 – Ribs to guide the float.

4 – Rib to maintain the scale span and accuracy.

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