

PURGE ROTAMETERS



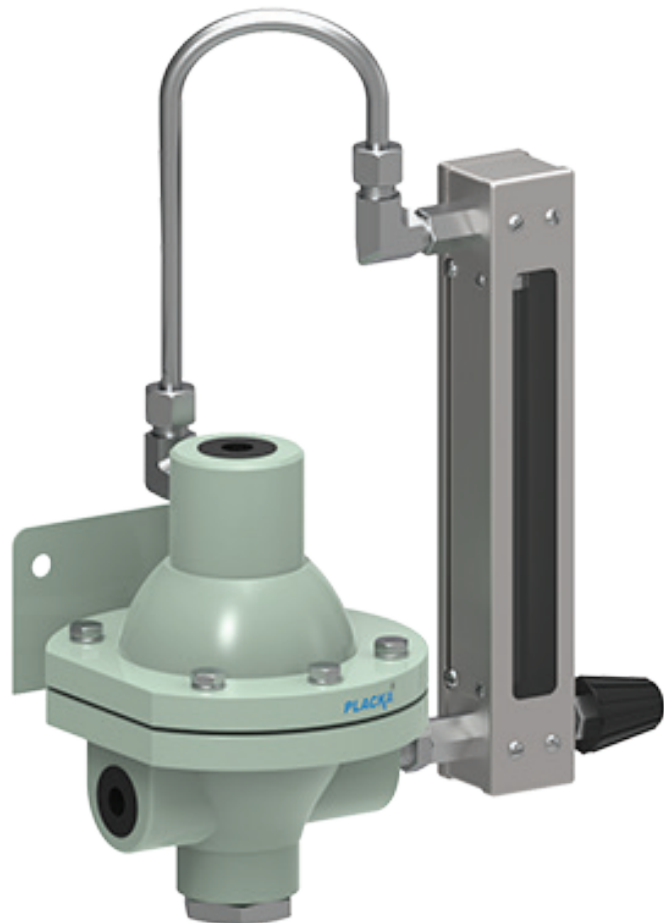
Rotameters are the mostly widely used type of variable Area (VA) flowmeters. The movement of a float in a tapered tube provides a measure of flow rate. A Rotameter is designed in accordance with the basic volumetric flow rate equation of $Q = KA\sqrt{gH}$ where Q is the flow rate, K is a constant, A is the annular area, G is the force of gravity & H is the pressure drop across the float all the rest being a constant in a given Rotameter, the flow rate (Q) is directly proportional to the area (A) so the height of the tube is a measure of the flow rate. In PLACKA Purge rotameter a constant flow differential pressure flow regulator is used to maintain the purge flow-rate at the desired level. A needle valve is used for convenient setting of the flow rate.

SALIENT FEATURES

- > Economical
- > Compact
- > Panel / Side Mounting
- > Good Accuracy
- > Ease of Maintenance

APPLICATION

- > Accurate level Measurement
- > Continuous Lubrication (Bearing)
- > Purging for Corrosive Fluids
- > Density Measurement
- > Gas Analysers (Sample Delivery)



SPECIFICATION

PERFORMANCE

Model No. : LGPR 1.2.3 & 4

Fluids : An transparent liquids and gases

Maximum Pressure : 12 kg/cm³

Maximum Temperature : 100° C

Flow rate : Upto 200 LPM for Air & 5 LPM for Water standard (Higher flow rates on request)

Accuracy : 5% FSD Std
(Others on request)

Connections (Inlet & Outlet) : 1/8*, 1/4* 1/2*NPT & BSP Standard, (Other sizes and flanged connections on request)

MATERIAL

Matering Tube : Borosilicate Glass

Body of rotameter : 304SS / 316SS / Brass Plated / Carbon steel plated

Body of DP regulator : Die Cast Aluminum / 304 SS 316 SS (Other on request)

Connections : 304 SS / 316 SS / Brass Plated

Inter connecting Tube for rotameter and DP regulator : 304SS / 316SS / Copper Plated

Needle Valve : 304 / 316SS

Packing : Teflon / Neoprene