

An ISO 9001 : 2008



PLACKA™

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-Late at the desired level. A needle valve is used for convenient setting of the flow rate.



LGPR - 2

SALIENT FEATURES

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



LGPR - 4



LGPR - 2SS



APPLICATIONS

- ★ Accurate Level Measurement
- ★ Purging for Corrosive Fluids
- ★ Continuous Lubrication (Bearings)
- ★ Density Measurement
- ★ Gas Analysers (Sample Delivery)

SPECIFICATIONS

PERFORMANCE

Model No. : LGPR 1.2.3 & 4

Fluids	: An transparent liquids and gases
Maximum Pressure	: 12 Kg/cm ²
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 (Others 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

Manufactured & Marketed by :

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