An ISO 9001: 2008





# PLACKA<sup>™</sup>

## 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√gh

Were 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

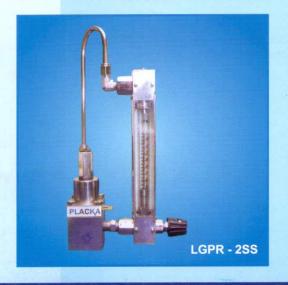
all the rest being a constant in a given Rotameter, the flow rate (Q) is directly proportional to the area (A) so the height of the tube is a measure of the flow rate. In PLACKA Purge Rotameter a constant flow differential pressure flow regulator is used to maintain the purge flow-Late at the desired level. A needle valve is used for convenient setting of the flow rate.



### SALIENT FEATURES

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





## PLACKA<sup>™</sup> Placka Instruments India Pvt. Ltd.





#### **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<sup>3</sup>

Maximum Temperature : 100°C

: Upto 200 LPM for Air & 5 LPM for Flow Rate

Water Standard (Higher flow rates

on request)

Accuracy : 5% FSD Std

(others on request)

: 1/8\*, 1/4\* 1/2\*NPT & BSP Connections (Inlet & Outlet) 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)

: 304 SS / 316 SS / Brass plated Connections

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

**Needle Valve** : 304 / 316SS

: Teflon / Neoprene **Packing** 

Manufactured & Marketed by:

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