

GLASS TUBE ROTAMETERS– LGR01**Description**

Levsen glass tube rotameters are useful for measuring flow of liquid & gases. Glass tube rotameters are unique design for industrial usage high precision tapered borosilicate glass tubes are utilized for best performances. Special design features eliminate stresses on glass tube even under industrial handling conditions. Glass tubes are field replaceable without disturbing end connections.

Operation

Rotameter is used to measure a wide variety of industrial liquids and gases. Glass Tube Rotameter is basically a Variable Area Flow Meter. This type of rotameter operates in a closed pipe system and utilizes a moveable float housed in vertically positioned tapered tube. A calibrated scale mounted in front of or next to the tube allows the float position to be translated into a meaningful value. It's operation is based on the variable area principle, where a gas or liquid flow raises a float in a tapered tube increasing the area for passage of flow. The float moves up or down in the tube in proportion to the fluid flow rate and the internal area between the float and the tube wall. The float reaches a point of balance when the upward force exerted by the flow of the liquid or gas equals the downward gravitational pull of the weight of the float. The variation in percentage of repeatable is the result of scale length. Long scale meters have better repeatability. Significant aspect of excellent repeatability is one reason that variable area rotameters are so widely used in process industries and other application that require this important feature

**Specification**

Material	: Powder coated M.S. optional SS 304, SS 316 etc.
Float	: SS 316L, SS 316, PTFE, Monel, PVC etc.
Wetted Parts	: SS 316L, SS 316, SS 304, MS PTFE, PVC, P.P., Monel etc.
Tube	: Borosilicate glass
Packing	: Neoprene, PTFE , Silicon etc
Temperature Max.	: Upto 230°C depends on gland Packing material.
Connections	: Flanged, threaded etc.
Accuracy	: ±2% of full scale.
Repeatability	: 0.5%
Rangeability	: 10:1
Accessories	: High- low flow switch, Steam jacketed

Application

Air, Common Gases, Water, Alkalies, Oil & Organic Chemicals etc.

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