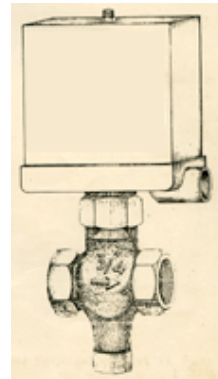


GLOBE TYPE FLOW SWITCH

DK'S Globe Type Flow Switches are reliable control devices for signaling high or low flow condition in a process system. These are designed on variable area principle and hence, its accuracy and reliability is fully assured.

Salient Features

- ❑ Automatically signals Alarm on abnormal flow.
- ❑ Easy signals Adjustment
- ❑ Robust construction
- ❑ Variable area principle
- ❑ Simple in design - no intricate spring operated mechanism.
- ❑ Field range adjustable setting over full range
- ❑ Internal calibrated scale provided for easy and precise switch setting.



Principle of Operation

Globe Type Flow Switches are provided with a fixed size Orifice fitted inside the Body. A precision tapered plug moves freely up or down the vertical axis as flow changes. The Plug carrying an encapsulated magnet moves inside an Extension Tube and actuates a hermetically sealed dry-reed switch clamped firmly outside the tube, when abnormal flow occurs. The switch remains in contact continuously till the flow becomes normal and reset automatically. Each switch can operate for either high or low flow. Switch can be set against calibrated scale at a desired flow rate.

Specification:

| | |
|---|---|
| Model | : GFS – 2000 |
| Materials of Construction: | |
| Body | : Bronze, S.S, P.P., C.I., etc |
| Plug | : S.S., Teflon, etc. |
| Packing | : Neoprene, Teflon |
| Enclosure | : Aluminum, M.S., F.R.P. etc. |
| Process Connection | : Threaded BSP (F) or NPT (F). Suitable adaptor or flange could be provided on request. |
| Setting Accuracy: | : $\pm 2\%$ Full Scale. |
| Repeatability | : $\pm 1\%$ Full Scale. |
| Switch Resetting: between Increasing & Decreasing Flow. | : 10 to 20% depending on flow rate. |
| Maximum Temperature | : 185°C |
| Maximum Test Pressure | : 35 Kg/cm ² |
| Mounting | : Side entry/side exit in horizontal axis. |
| Contact Rating | : 5A, 240V AC or 24V DC. |
| Contact Form | : One change over (1 SPDT) |
| Cable Entry | : $\frac{3}{4}$ " ET, 1" ET, $\frac{1}{2}$ " NPT (F) |
| Enclosure | : Weather - proof as per IP-65. |



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