

FLOW SWITCH

DK's magnetic flow switch is the product of two decades knowledge in thermal power station, fertilizer & chemical industries. Flow switch is the target type unit that works on the magnetic principle of attraction. As the flow causes the flapper to deflect the magnet moves closer to or further away from the switch causing the reed switch to actuate. Switching action is determined by flow & not by pressure. The unique features of reed switch technique is adapted unique design, magnetic switching and uncompromised quality have resulted in unparalleled reliability

SALIENT FEATURES:

- Hermitically Sealed
- Glass encapsulated reed switch prevents dust, dirt, moisture and gaseous pollutions
- Low cost, easy installation
- Minimum maintenance, minimum down time - minimum inventory
- Glandless - no spring, no seal, no diaphragm
- Safe and sure magnetic coupling
- Self lubricating bush for friction free operation & long life
- Contact can be made NC or vise - versa
- Shock and vibration effect minimum
- Sparkles operation with solid state contact protector system
- No loss of magnetic energy due to attraction principle
- Highly reliable and dependable
- Flow indication with sight glass



Model - 2000



Model - 2000S



Model - 2100



Model - 2100F



Model - 2100S



Model - SF100+2000S

STANDARD SPECIFICATION:

Model	: 2000
Type	: Magnetically coupled target type / Vane actuated type
Working Principle material - Body,	: AISI 304 SS / AISI 316 SS. / Brass / Aluminium / Teflon /
Flapper & wetted Parts	: Polypropylene / PVC etc.
Switch Cover	: Cast Aluminium, Weatherproof to IP – 55/65/67 Anticorrosive painted
Mounting	: Horizontal / Vertical
Connection Size	: Screwed / Flanged as per ANSI, DIN, JIS, BS, IS standard
Signalisation	: Hermitically sealed glass encapsulated Reed Switch
Contact Form	: NO / NC, 1 NO + 1NC, 2 NO + 2 NC
Contact Rating	: 1A, 230V AC, 5A, 230V AC or 0.25A, 220V DC
Electrical Connection	: ¾ " ET, 1 " ET, ½ " NPT, ¾ " NPT, 1 " NPT
Operating Pressure	: 25 Kg / cm ²
Operating Temperature	: (-40°C) to (+200°C)
Line Size	: 1/4" to 40"
Set Point	: Adjustable
Differential	: Variable
Accuracy	: ± 2% FSR
Repeatability	: ± 0.5% FSR

Model - 2000 S	: Flow Switch is complete with flanged tee, radiating fins and any other special features
Model – 2100	: Flow Switch is very low flow type i.e. minimum flow - 500 cc / min for minimum 1/4" line size
Model - 2100 S	: Flow Switch is complete with different accessories for very low flow type
Model – 1000	: Air / Gas flow type
Model - 2100 F	: Explosion proof approved by CMRS Dhanbad for group IIA & IIB gas as per IS 2148 - 1981. Enclosure material - cast Al - LM - 6 / CI / SS 304
Model - 2200 F	: Explosion proof approved by CMRS Dhanbad for group IIC gas as per IS 2148 - 1981. Enclosure material - cast Al - LM - 6 / CI / SS 304
Model 2300 S	: By pass type Flow Switch is complete with office assembly for very high flow
Model 2000S + SF 100	: Flow Switch is complete with sight glass

OPTIONAL:

- ☐ Special Tee either screwed, Flanged as per ANSI, DIN, JIS, BS, IS standard available.
- ☐ Solid-state contact protector for sparkles operation of the contact is available. Current Rating also increased as per requirement.
- ☐ In Built sight glass available.
- ☐ Max. Pressure & Temperature up to 160 Kg./cm² and 500°C available with radiating fins



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