PPS POLYSULFONE PADDLE SWITCH

Flow
Pressure
Level
Temperature
measurement
monitoring
control

- **Bidirectional**
- **Maximum Temperature 225°F**
- **Easy to Install**
- **Low Cost**
- **Low Pressure Drop**

S3

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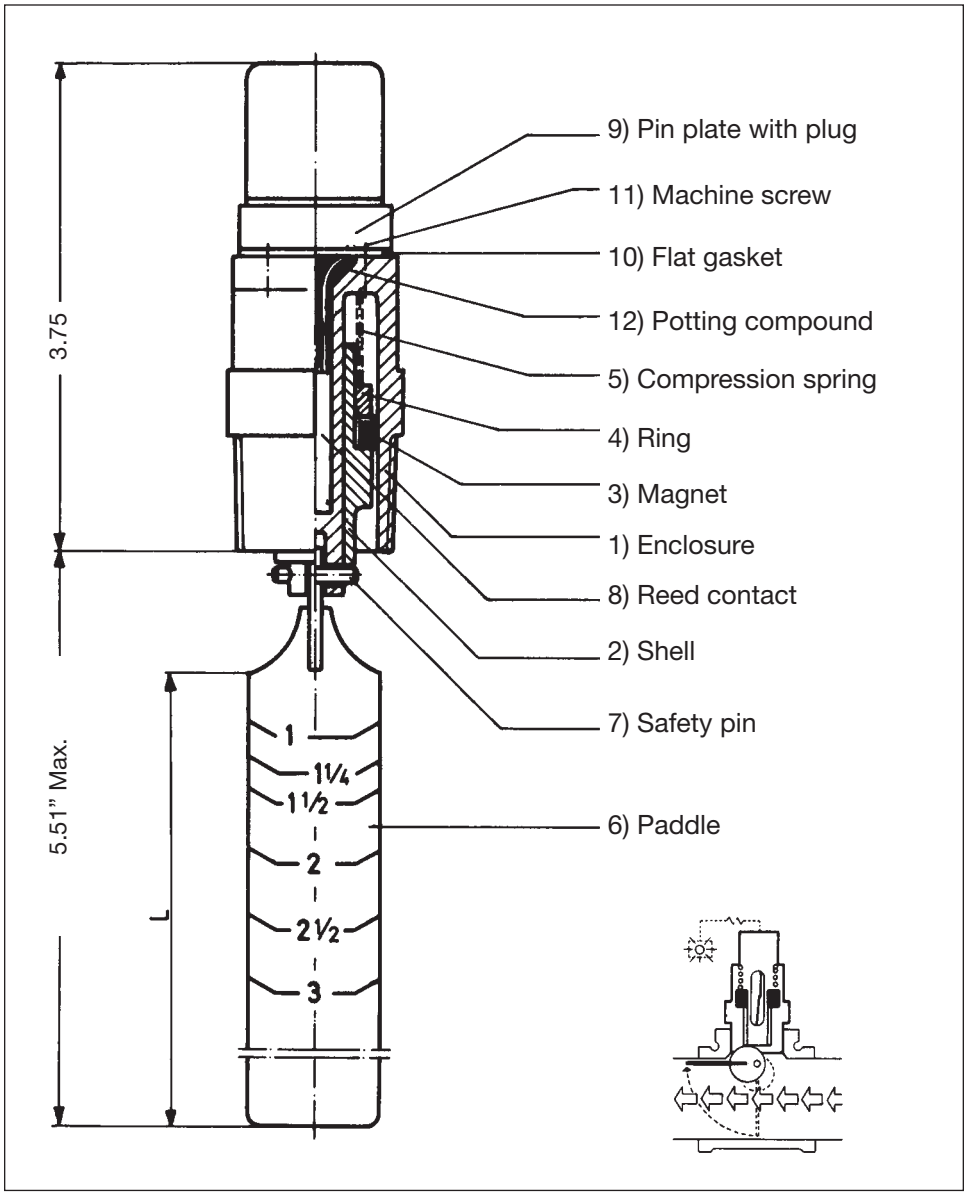
Model:
PPS



The extraordinary reliability of the KOBOLD paddle-type PPS flow switch is available at a competitive price and can be installed in pipes 1" and larger. These units, made of polysulfone, are virtually maintenance free. The pressure drop across the instrument is negligible and independent of the pipe diameter. Switch status is clearly visible through the polysulfone housing. The PPS is available with either a normally open or a normally closed contact. Installation is easy. Simply insert the PPS in a standard T, or a reducing T, sealed with teflon tape. Allow for a straight pipe of at least 3-times the pipe diameter on either side of the T to avoid turbulence.

Specifications

Material: Polysulfone, transparent
Connecting thread: 1" NPT
Temperature of medium: Max. 225°F
Operating pressure: Max. 145 PSI
Max. pressure drop: 1.45 PSI
Adjustment accuracy: ±20%
Switch repeatability: ±3%
Other materials exposed to the medium: Stainless Steel, ceramic magnet
Electric connection: DIN 43650 plug
Mode of protection: NEMA 4
Switch: Normally open contact or normally closed contact, hermetically sealed, magnetically actuated switch.
Switching capacity: 40 VA max., 2.0 A max. 250 V max.
Orientation: Horizontal pipes only

Pipe bore inches	Cut-off mark L approx..	Switch point GPM Water	
		Turn-on	Turn-off
1	0.9"	9.5	5.0
1¼	1.1"	9.5	5.0
1½	1.4"	14.5	9.5
2	2.0"	19.0	9.5
2½	2.4"	24.0	14.5
3	2.9"	28.5	19.0

Order Numbers for standard types

Model	Switch
PPS-3105	N/C, SPST
PPS-3106	N/O, SPST