

PRESSURE SWITCHES

We offer Low and High pressure switches which are ideal for most industrial and domestic RO plants. A specially contoured viton diaphragm senses the change in pressure, a SPDT Micro switch actuates when pressure crosses the set point value. Set point can be adjusted by LN key. Pressure switches are essentially meant for ON/OFF control applications.



Low Pressure Switch



High Pressure Switch

KEY ATTRIBUTES

- All plastic **CORROSION FREE** wetted parts
- Set point adjustable with **CENTRAL GRUB SCREW**
- Both **NO NC CONTACTS**
- **FIXED HYSTERESIS**
- **EASY TO INSTALL**
- Excellent **REPEATABILITY**

TYPE	LPS	HPS
Range kg/cm ²	0.5 to 5	2 to 25
Switch Contact Rating	15A @230V A.C.	
Electrical Connection	Brass Lugs	
Switch Type	SPDT Micro-Switch	
Process Connection Size	1/4" BSPM	
MOC of Body	Glass field Nylon	
MOC of Diaphragm	Viton	
Spring	SS 316	
Set Point Adjustment	By M3 Grub Screw	
Enclosure	MS Powder Coated/ Plastic	
Size	90mm x 50mm x 65mm	
Max. Working Temperature	60 °C	

Each switch is hydro tested for 7kg/cm² pressure for LPS and 30kg/cm² for HPS

SDI Kit

Suspended solids and colloidal materials in feed water are one of the biggest problems in reverse osmosis systems. Even though most systems have some pretreatment including 5 microns pre filter, these fine particles are responsible for fouling of reverse osmosis membranes. Our SDI kit provides simple and effective solutions to preempt the possibility of membrane fouling.

Material	Polycarbonate/ABS
Sealing	Silicon O-Ring
Filter Specs	47mm dia. 0.45micron
Filtration Area	12.5cm ²
Capacity	250ml Housing 500ml Beaker
Connections Inlet	1/4"F Threaded Needle Valve 1/4"F for Pressure Gauge
Operating/ Test Pressure	2/3kg/cm ²



KEY ATTRIBUTES

- **INTEGRAL SS NEEDLE** valve for pressure control
- **QUICK RELEASE COUPLING** making multi point sampling convenient
- **AUTOMATIC AIR RELEASE VALVE**
- **TRANSPARENT BODY**
- **500ml BEAKER** for sampling
- 40mm diameter 0-4kg/cm² **ONLINE PRESSURE GAUGE**
- Best way to **ENHANCE THE LIFE OF MEMBRANE**

Available with:

MAGNETIC LEVEL SWITCHES

Mechanical level switch for liquids. The magnet-equipped float follows the actual level of the liquid and magnetically triggers a reed switch in an identified and fixed position.



Low Level Switch



High Level Switch

KEY ATTRIBUTES

- **TWO SWITCHES** enough to automatically start/ stop any pump (coupled with the contactor coil)
- Good **REPEATABILITY**
- All plastic construction, **CORROSION FREE**
- **NON-CONTACT SENSING ELEMENT**
- **COMPACT DESIGN** enables level sensing with in $\pm 5\text{mm}$
- **HYSTERESIS** (ON level/ OFF level) can be easily set at site by locating the level switch up/down along the side walls of the tank

Media Temperature	Max 60°C
Cable Length	2 Meters (2 Core)
Overall Dimensions	60mm (H) x 40mm (W)
Models	Black/ White
Body	Noryl
Float	Noryl
Wire	PVC insulated
Switching Voltage	24 V DC
Contact Rating	500mA@ 230 V AC
Protection Class	IP 68
Switch Type	White: Normally open contact (the contact happens in the lifted positions) Black: Normally closed contact (the contact happens when the float is down)

FLOATY



KEY ATTRIBUTES

- Adjustable level differential from **0.5 to 2 METERS**
- Case and cable hermetically sealed by **PLASTIC INJECTION MOULDING**
- **CORROSION FREE, LONG LIFE & RUST PROOF**
- Suitable for **SLUDGE & EFFLUENT TREATMENT**
- No current/voltage is passed through water, thus no electrolysis salt deposition
- Can be used in **HARD WATER**- fuel such as diesel, kerosene, oil etc.

Media Temperature	Max 60°C
Cable Length	2 Meters (5/10meter optional) 3 Core
Overall Dimensions	130mm (H) x 90mm (W) x 50mm(D)
Repeatability	$\pm 50\text{mm}$
Body	PP
Float	PP
Wire	PVC insulated
Weights	MS(ABS Encapsulated)
Switching Voltage	12 V DC/230 AC
Contact Rating	15A@ 230 V
Protection Class	IP 68

Available with:

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