Displacer Type Level Switch

Operating Principle

Operation is based upon simple buoyancy, whereby a spring is loaded with weighted displacers, which are heavier than the liquid. Immersion of the displacers in the liquid results in buoyancy force changing to net force acting on the spring. The spring compresses as the buoyancy force increases. Magnetic sleeve is connected to the spring and operates within a non-magnetic barrier tube. Spring movement causes the magnetic sleeve to move into the field of a pivoted magnet, actuating a switch mechanism located outside the barrier tube. Built-in limit stops prevent over stroking of the spring, under level surge conditions.

L E V E L

L E V E L

Applications

Foaming or surging liquids
Agitated fluids
Sewage handling
Dirty liquids
Paints
Varnishes
Heavy oils
Liquids with solids

Special Features

Easy Install & Maintenance.
Wide Differential.
External Adjustment Range.
Long Lasting.

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Displacer Type Level Switch

DISPLACER TYPE LEVEL SWITCH MODELNO: DLS.....

PROCESS CONNECTION	COSTRUCTION OF DISPLACER & SLEVE, SPRING PIPE	CONTACT FORM	PRESSURE	SWITCH COVER	SWITCH	NUMBER OF DISPLACER
1. 3'' ANSI 150# RF (SS)	1. SS 304	1. 1 NO+1 NC	1. NORMAL	1. WEATHER PROOF	1. REED	1. ONE
2. 4'' ANSI 150# RF (SS)	2. SS 316	2. 2 NO+ 2NC	2. 5KG/CM2	2. FLAME PROOF	2. MICRO	2. TWO
3. 3'' ANSI 150# RF (MS)	3. PP					3.THREE
4. 4'' ANSI 150# RF (MS)						
5. PP						

LEVEL

LEVEL

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