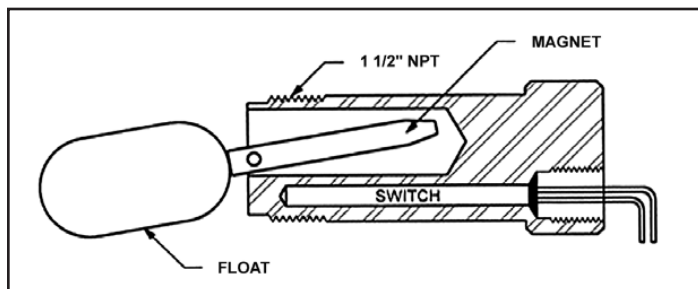




OPERATION

The Jerguson JMRS series float operated magnetic reed switch is designed to provide reliable low cost switching.



Utilizing a magnetically actuated reed switch to provide a contact, switching occurs when the float moves a magnet into close proximity of the reed switch. The all SST construction and hermetically sealed reed switch provide long life at a very low cost.

FEATURES

- Magnetic Actuation
- All SST Wetted Parts
- Class I, Grp. A, B, C & D
- SPST 1A Contacts
- No O-Ring or Packing
- Hermetically Sealed
- Hi or Lo Level Operation

TYPICAL APPLICATIONS

Petroleum Processing

Fuels, lubricating oils, hydraulic fluids, separators, treaters, crude oil, fuel-water interfaces.

Chemical Processing

Acids, alkalis, ammonia, paint, lacquer, peroxides, alcohols, printing inks, freon.

Food Processing

Beverages, fruit juices, cooking oils.

Pharmaceutical and Cosmetic

Liquids, emulsions, lotions, solutions.

Marine Operations

Fuel oil, hydraulic fluid, bilge level alarms, sea water, coolant, condensate levels, cargo levels.

Reactor Operation

Level control, alarm signaling.

Cryogenic Liquids

Liquid methane, nitrogen, carbon dioxide, oxygen.

Water Industry

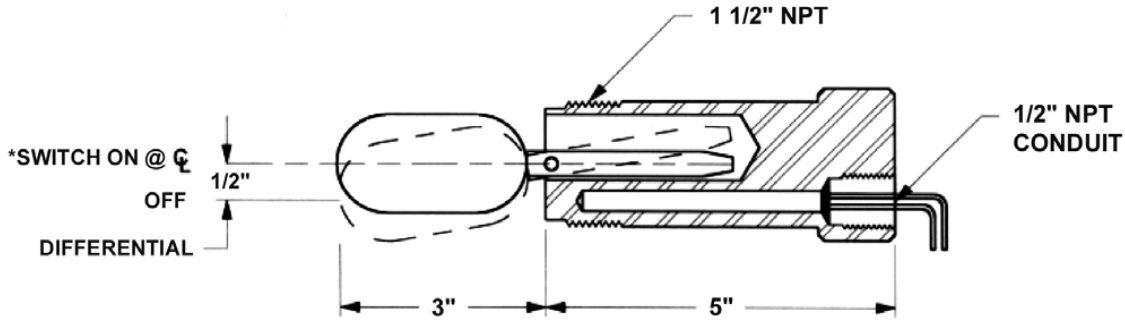
Flood control, reservoir levels.

General

Leak detection, overflow alarm, low level alarm in evaporators.

Installation, Operation and Maintenance Instructions • JMRS Horizontal Mount Magnetic Reed Switch

DIMENSIONS



*NOMINAL SWITCH POINT @ 1.0 S.G.

PRESSURE RATING	MINIMUM SPECIFIC GRAVITY	PROCESS MAX. TEMP	EXPLOSION PROOF
1500 PSIG	0.40	400°F/205°C	Cl. I Grp. A, B, C, & D

MODEL SELECTION GUIDE

JMRS	MAGNETIC REED SWITCH				
CODE	BODY MATERIAL		TRIM MATERIAL		
1	T-303 SST		T-316 SST		
2	T-316 SST		T-316 SST		
CODE	SWITCH FORM		MAX. AMPS	MAX. VOLTS	MAX. WATTS
1	SPST Hermetically Sealed		3 AMPS	120 VAC/DC	100 WATTS
2	SPDT Hermetically Sealed		3 AMPS	120 VAC/DC	100 WATTS
CODE	CONNECTION		PRESSURE RATING		MIN. S.G.
0	1 1/2" NPT (Standard Model)		1500 PSIG @ 100°F		0.40
1	2 1/2" 150# RF Flange		285 PSIG @ 100°F		0.40
2	2 1/2" 300# RF Flange		740 PSIG @ 100°F		0.40
3	2 1/2" 600# RF Flange		1480 PSIG @ 100°F		0.40
4	3" 150# RF Flange		285 PSIG @ 100°F		0.40
5	3" 300# RF Flange		740 PSIG @ 100°F		0.40
6	3" 600# RF Flange		1480 PSIG @ 100°F		0.40
7	2" NPT		1500 PSIG @ 100°F		0.40
CODE	FLANGE MATERIAL				
0	All 1 1/2" & 2" NPT use this code				
1	A105 Carbon Steel				
2	A182 T304 SST				
3	A182 T316 SST				

JMRS 1 1 0 0 **TYPICAL MODEL NUMBER**



JERGUSON® GAGE AND VALVE
 A Division of The Clark • Reliance® Corporation
 16633 Foltz Industrial Parkway • Strongsville, OH 44149 USA
 Telephone: (440) 572-1500 • Fax: (440) 238-8828