

MLS Series - Liquid Level Switches



Features

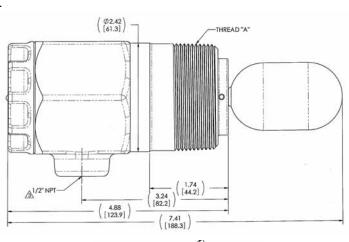
- · Clean Magnet Design virtually eliminates iron filing accumulation onto the magnet
- Seal-Free Construction
- ANSI/ISA 12.27.01 compliant (Single Seal)
- Operates in 0.50 specific gravity or heavier fluids
- Designed for harsh gas compressor scrubber applications
- 304 cast equivalent SS body and 304 SS float
- Rated for 2000 psi (13.8 MPa) [138 bar] working pressure
- Trip on rising and falling without need to rotate body
- · Electric model only available
- · All models screw directly into the scrubber or can be mounted via a Murphy external float chamber

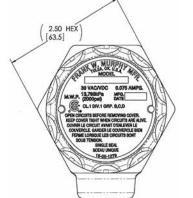


- CSA C/US Class I, Div. 1, Grp. B, C & D locations
- NACE MR0175 compliant
- Canadian Registration Number 0F01476.2

MLS Series Liquid Level Switches are float activated to operate an electrical SPDT reed switch for annunciation/pilot signal for indication of high level to an annunciator, controller or PLC. The MLS connects directly into the gas scrubber wall and can be used with a Murphy weld collar or Murphy external float chamber. The MLS Series is available in both 2"NPT and 1-1/2" NPT models.

Product Dimensions





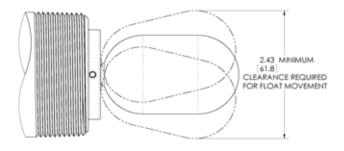
Specifications

Process Connection: 2" NPT (MLS-020) 1-1/2" NPT (MLS-015) Fluid Density (Sg): 0.50 MIN

Pressure Rating: 2000 psig (13.8 MPa) [138 bar] Materials:

Body: ASTM A351 CF8 (304 SS) Cover: ASTM A351 CF8 (304 SS) Other Wetted Parts: 304 or 316 SS Meets NACE MR0175 for direct exposure to H₂S

Process Temperature: -20 to 300°F (-24 to 149°C). Electrical: 30VAC/VDC 75mA Form C SPDT Conductor cross section AWG/kcmil min.: 26 Conductor cross section AWG/kcmil max.: 16



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Accessories

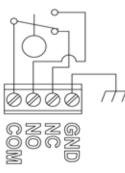
Refer to MLS Installation and Operations manual for additional information.External Float Chamber 15700799Weld Collar 15050375Operating Pressure: 2000psi (13.8MPa)[138 bar]Operating Pressure: 2000psi (13.8MPa)[138 bar]Operating Temperature: 400°F (204°F)Operating Temperature: 400°F (204°F)Shipping Weight: 18lbs (8.2kg)Shipping Weight: 6lbs (2.7kg)

Approximate Shipping Weights and Dimensions (all models)

Weight: 5.5 lbs (2.49kg) Dimensions:14 x 5 x 3.5 in (356 x 127 x 89 mm)

Electrical Wiring Diagram

STD WIRING DIAGRAM





How to Order

To order the MLS Series Level Switch please specify one of the products listed below:

MLS-020 (2" NPT) MLS-015 (1-1/2" NPT)

FW MURPHY

P.O. Box 470248 Tulsa, Oklahoma 74147 USA Phone: +1 918 317 4100 Fax: +1 918 317 4266 E-mail: sales@fwmurphy.com

INDUSTRIAL PANEL DIVISION Fax: +1 918 317 4124 E-mail: ipdsales@fwmurphy.com

MURPHY POWER IGNITION Web site: www.murphy-pi.com

CONTROL SYSTEMS & SERVICES DIVISION P.O. Box 1819 Rosenberg, Texas 77471 USA Phone: +1 281 633 4500 Fax: +1 281 633 4588 E-mail: css-solutions@twmurphy.com

FRANK W. MURPHY LTD.

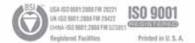
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02/11/2011

Warranty - A limited warranty on materials and workmanship is given with this FW Murphy product. A copy of the warranty may be viewed or printed by going to http://www.fwmurphy.com/warranty