

# Scrubber Level Control System (SLS)

### **Automatic Level Control for Gas Scrubber Applications**

The FW Murphy Gas Compressor Scrubber Level System



You Save Money By Purchasing The SLS System Which Includes the Following:

- LS200, MLS-020\* High Level Shutdown Switch
- DVU\*\* Pneumatic Dump Valve
- LS200NDVOR Pneumatic Level Control with:
- Filter Regulator with Gage
  For detailed information on Level Switches and
  Dump Valves visit www.fwmurphy.com.

### **Service Tip**

The Gage and Filter/Regulator on the LS200NDVOR help keep the control medium clean and dry. It also allows operator to adjust pressure to recommended level of 30-70 psig. The Gage and Filter/Regulator are recommended to help increase system life and trouble-free operation.

### Level Switches

- Designed for Harsh Gas Compressor Scrubber Applications.
  - NOTE: Not recommended for hydrogen gas applications.
- Stainless Steel Float: Specific gravity varies by model and configuration, see Specific Gravity.
- For Separators/Scrubbers rated for up to 2000 psi (13.8 MPa) [138 bar] Working Pressure.
- Electric and Pneumatic Models Available.

### Dump Valve Operator/ Dump Valve

- Hex Union Allows Plug and Seat Replacement Without Piping Removal.
- Operates on 30–70 psi (207–483 kPa) [2.07–4.83 bar] Control Pressure.
- Manual Valve Operator.

<sup>\*</sup> Choose model using the How To Order matrix.

<sup>\*\*</sup>Specify Dump Valve model when ordering.

Minimum Allowable Specific Gravity							
Model	Float Extension Length (inch)	Pressure (psi)	Specific Gravity				
LS200	0	2000	0.55				
	1	2000	0.7				
LS200NDVO	0	2000	0.63				
	1	2000	0.73				
MLS-020	0	2000	0.5				
	1	2000	0.65				

**NOTE:** DO NOT OVERPRESSURE. The stainless-steel float may be deformed if exposed to pressure beyond rated (2000 psi). This can affect specific gravity and overall operation.

### How To Order

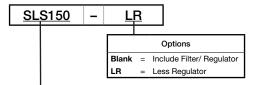
Approximate Shipping of SLS2120 Kit

Weight: 25 lb. 6 oz. (8.7 kg)

Dimensions: (w x h x d) 15 x 15 x 12 in. (381 x 381 x 305 mm)

### SLS

The SLS Kits Include LS200, LS200NDVO(R) and a DVU Valve.



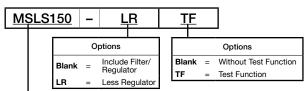
Model	Dump Valve	Inlet	Outlet	Trim Size	Maximum Working Pressure
SLS150	DVU150	1" NPT	1/2" NPT	0.359 IN. (9 MM)	1800 psi
SLS175*	DVU175	1" NPT	3/4" NPT	0.359 IN. (9 MM)	1800 psi
SLS2120	DVU2120	2" NPT	1" NPT	0.436 IN. (11 MM)	2000 psi

<sup>\*</sup>Filter/regulator option not available.

LR: Less regulator option is available with all models.

#### **MSLS**

The MSLS Kits Include MLS-020, LS200NDVO(R) and a DVU Valve.



Model	Dump Valve	Inlet	Outlet	Trim Size	Maximum Working Pressure
MSLS150	DVU150	1" NPT	1/2" NPT	0.359 IN. (9 MM)	1800 psi
MSLS175*	DVU175	1" NPT	3/4" NPT	0.359 IN. (9 MM)	1800 psi
MSLS2115	DVU2115	2" NPT	1" NPT	0.571 IN. (14.5 MM)	1500 psi
MSLS2120	DVU2120	2" NPT	1" NPT	0.436 IN. (11 MM)	2000 psi

<sup>\*</sup>Filter/regulator option not available.

LR: Less regulator option is available with all models.

TF: Test function option available with less regulator (except MSLS2115).

## FW MURPHY PRODUCTION CONTROLS SALES. SERVICES & ACCOUNTING

SALES, SERVICES & ACCOUNTING 4646 S. HARVARD AVE. TULSA, OK 74135

MANUFACTURING 2151 RANDON DYER ROAD ROSENBERG, TX 77471 5757 FARINON DRIVE

SAN ANTONIO, TX 78249

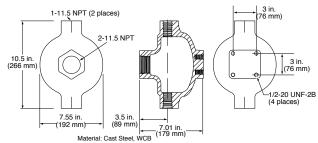
### DOMESTIC SALES & SUPPORT

FW MURPHY PRODUCTS PHONE: 918 957 1000 EMAIL: INFO@FWMURPHY.COM WWW.FWMURPHY.COM

FW MURPHY CONTROL SYSTEMS & SERVICES PHONE: 281 633 4500 EMAIL: CSS-SOLUTIONS@FWMURPHY.COM

### Accessories

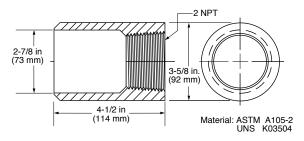
### Float Chamber 15051098



Operating Pressure: 2000 psi (13.8 MPa) [138 bar]

Operating Temperature: 400° F (204° C) Shipping Weight: 32 lb. (14.5 kg)

### Weld Collar 15050375

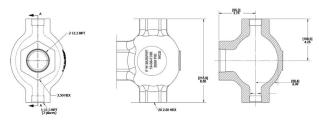


Operating Pressure: 2000 psi (13.8 MPa) [138 bar]

Operating Temperature: 400° F (204° C)

Shipping Weight: 6 lb. (2.7 kg)

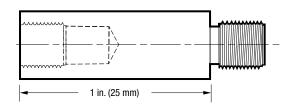
### Series 100 Float Chamber 15700799



Operating Pressure: 2000 psi (13.8 MPa) [138 bar]

Operating Tresselle: 2000 psi (10.5 km a) Operating Temperature: 400° F (204° C) Shipping Weight: 18 lb. (8.16 kg)

### 1-Inch Float Shaft Extensions



Float Shaft Extension **15000478** (LS200) 12-24 UNC threads Float Shaft Extension **15000892** (MLS) 10-32 UNF threads

### INTERNATIONAL SALES & SUPPORT

CHINA

PHONE: +86 571 8788 6060 Email: International@fwmurphy.com

LATIN AMERICA & CARIBBEAN PHONE: +1918 770 8775 EMAIL: INTERNATIONAL@FWMURPHY.COM

