

# Maintain Lube Level

## Model LR857

FW Murphy LR857 Lube Level Regulator maintains the crankcase oil level of an engine, pump or compressor. Adjusted to the correct running oil level, the LR857 will replenish oil as it is used. An integral, low-level switch will alarm and/or shut down the equipment, if supply oil is lost and the equipment continues to use oil.

The LR857 maintains oil level on any size engine but is recommended for small- to medium-volume applications and installations that require a three-wire, snap-action switch.

As crankcase oil level drops, the LR857 float also drops and opens the thumb valve. This allows oil to flow from the supply tank through the LR857 and into the crankcase. When proper level is attained in the crankcase, the LR857 float rises causing the thumb valve to close off further oil flow.

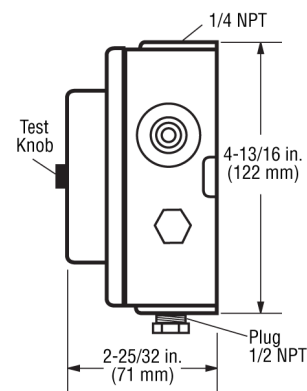
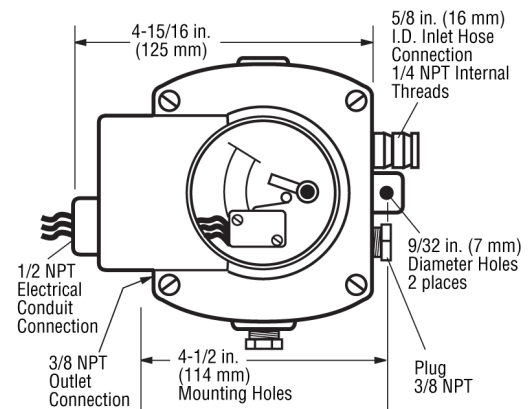
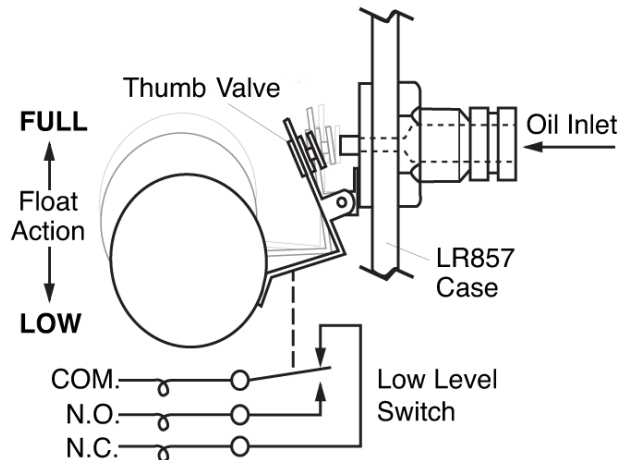
The simple and unique thumb valve is non-clogging and provides a positive, leak-free seal. Flow rate through the 1/8 inch (3 mm) orifice is significant to allow crankcase refill through the LR857.



\* Products covered by this bulletin comply with EMC Council directive 89/336/EMC regarding electromagnetic compatibility except as noted.

### Dimensions

### Thumb Valve Operation



# Mounting Brackets with Hardware

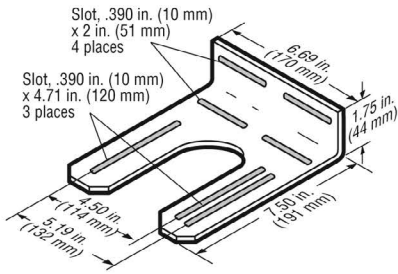
FW Murphy offers two mounting brackets for the LR857. The 15000238 Pipe Bracket Kit fits a 7/8 in. (22 mm) diameter pipe (see typical installation). The 15010224 universal Flange Kit allows various mounting methods.

## 15010224

### Universal Flange Kit

#### Additional Hardware Supplied

- (2) 1/4-20 x 1-1/4 inch (32 mm) bolts
- (4) 1/4 dia. flat washer
- (2) 1/4-20 hex nuts
- (2) 5/16-18 x 1-1/4 inch (32 mm) bolts
- (4) 5/16 dia. flat washer
- (2) 5/16-18 hex nuts

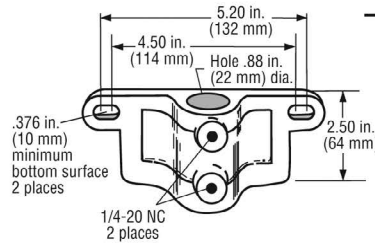


## 15000238

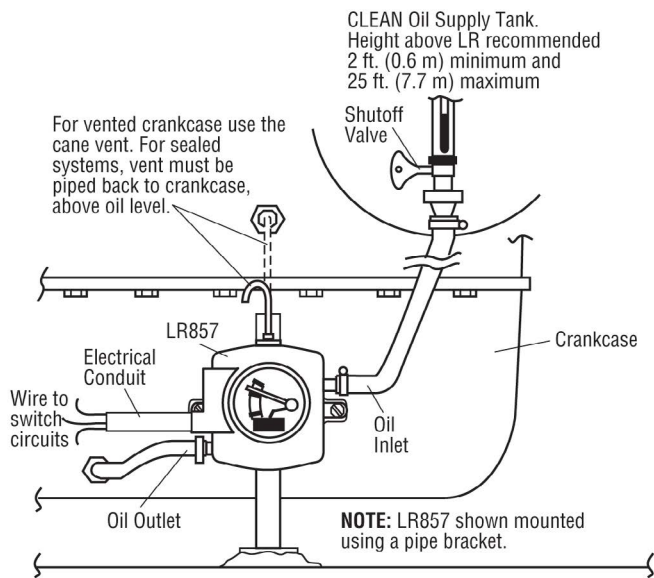
### Pipe Bracket Kit

#### Additional Hardware Supplied

- (2) 1/4-20 x 7/8 inch (22 mm) screws
- (2) 1/4-20 x 1 inch (25 mm) screws
- (4) 1/4-20 hex nuts
- (4) 1/4 inch (6 mm) dia. split washer



## LR857 Typical Installation



## Specifications

**Inlet Connection:** 5/8 in. (16 mm) I.D. hose

**Outlet Connection:** 3/8 NPT

**Snap-switch:** SPDT rating 10 A @ 125 VAC; 0.5 A @ 125 VDC; 10 A @ 30 VDC

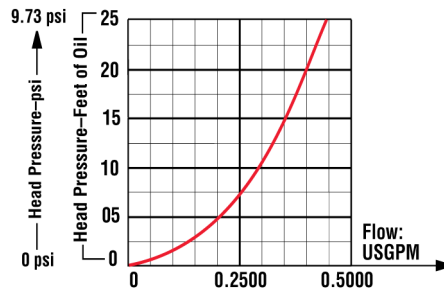
**Conduit Connection:** 1/2 NPT

**Case:** Die cast aluminum

**Lens:** Polycarbonate

**Float:** Brass

**Flow Rates (see chart below):** Oil with 0.9 specific gravity @ 70°F (21°C)



## How to Order

The Fittings Kit 15000420 is sold separately and includes the following items:

- One - 1/4 in. (6 mm) O.D copper cane tube (vent connection)
- One - 1/4 in. (6 mm) tube x 1/4 male pipe fitting
- One - 1/2 in. (13 mm) I.D. hose fitting (outlet connection)

| Part Number | Model and Description | Notes       |
|-------------|-----------------------|-------------|
| 15700149    | Model LR857           |             |
| 15000420    | Fittings Kit          | Accessories |
| 15000238    | Pipe Bracket Kit      |             |
| 15010224    | Universal Flange Kit  |             |

| Approximate Shipping Weight and Dimensions |                       |  |
|--|-----------------------|--|
| Model                                      | Weight                | Dimension                              |
| LR857                                      | 3 lbs. 6 oz. (1.5 kg) | 9 x 5-1/2 x 6 in. (229 x 140 x 152 mm) |