

One Liter Hydraulic Compensator



Features

- Compact size, medium capacity
- Custom Mount and Porting
- Buna-N Rolling Diaphragm
- ORB (SAE J1926) ports, no NPT
- Multiple Port sizes

Available Options

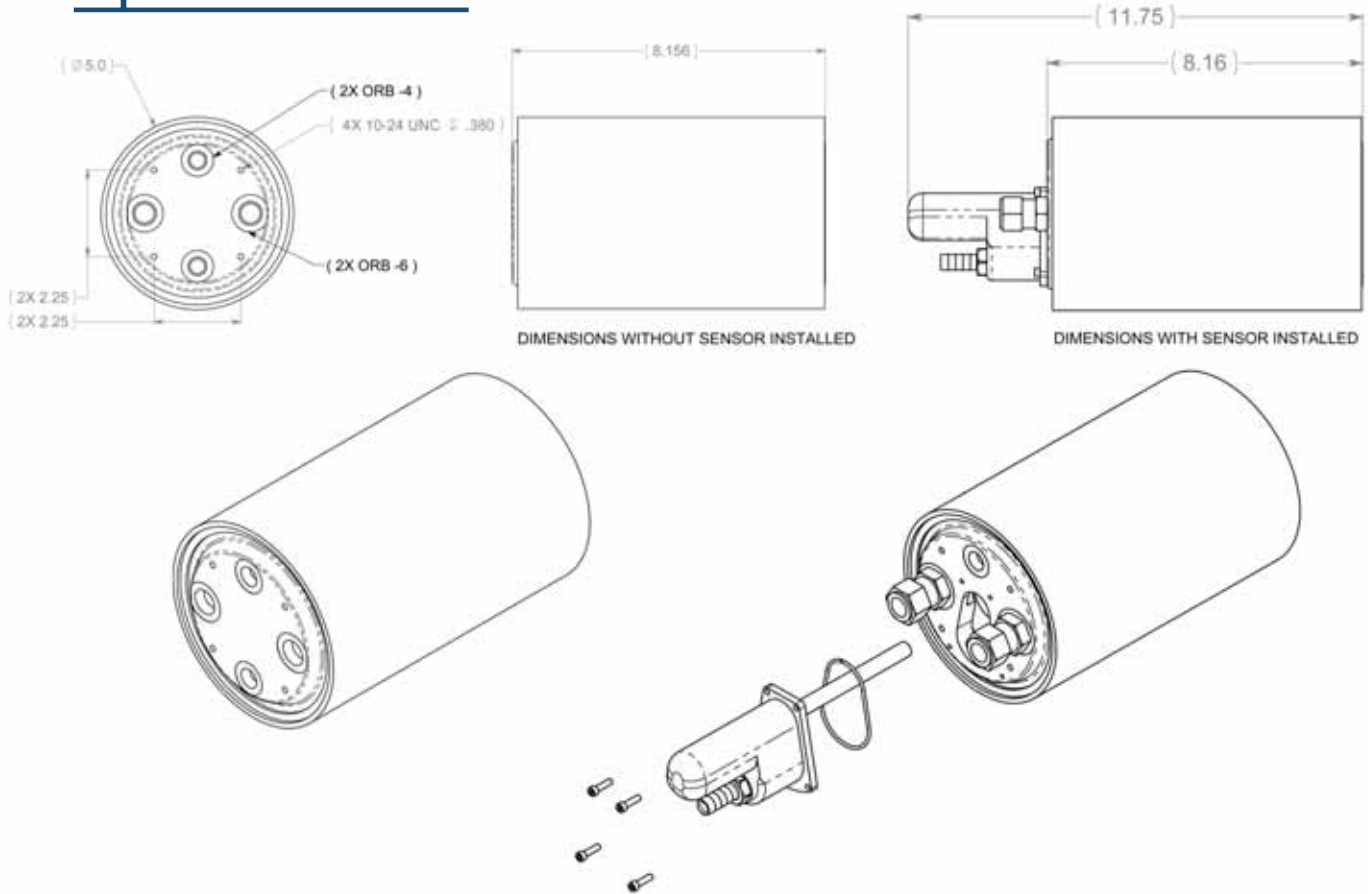
- Non Contact Linear Level sensor in oil filled housing
- Custom porting
- Custom mounts and brackets

Description

The DOER One Liter Hydraulic Compensator will maintain a 10-15 psi (0.7 to 1 bar) hydraulic pressure above the external pressure. Typical applications are fluid compensation in electrical housings and fluid reservoirs in hydraulic systems. The optional non-contact, linear position sensor offers accurate level monitoring. The custom Buna-N diaphragm and electrically isolated spring design allows for steady pressure modulation through the piston travel. The compensator comes standard with 2 different port size options and caps to make quick installation into a variety of systems but can be ordered with any fitting configuration. The DOER compensator has been designed for ease of use and high reliability in a range of environments from subsea to plant waste water.



Specifications



Hydraulic Specifications

- Capacity approx 1 Liter
- Pressure 10-15 psi (.7 to 1 bar) above ambient
- ORB ports (SAE J1926), no NPT
- -4 ports for compensator drain, fill, and bleed
- 2 each of -6, or -8 Ports

Optional Sensor Specifications

- 11.25 - 24 volts DC supply
- 4 to 20mA output
- 3 wire connector
- Oil filled sensor housing tested to 3000 meters (9850 ft)

Environmental Specifications

- Full Ocean depth on compensator
- Operating Temperature exceeds Hydraulic Oil temp range and will meet all undersea use

Physical Specifications

- Weight 7 lbs. (3.17 kg)
- Size 8 3/16" Long, 5" diameter
- Buna-N Rolling diaphragm and anodized aluminum construction

All specifications subject to change



1827 Clement Ave. Alameda CA 94501
Tel: 510.530.9388 Fax: 510.749.8377
www.doermarine.com sales@doermarine.com