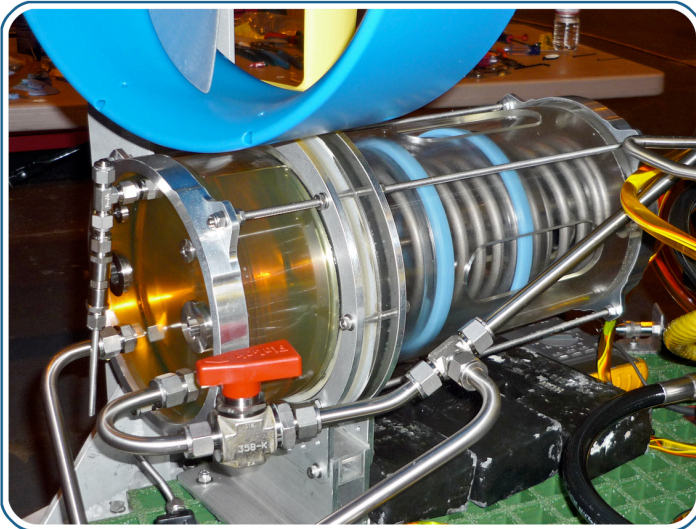


One Gallon (4l) Hydraulic Compensator



Features

- Compact size, high capacity
- Clear housing enables quick visual inspection of fluid
- Custom Mount and Porting
- Buna-N Rolling Diaphragm
- ORB (SAE J1926) ports, no NPT
- Multiple Port sizes
- Electrically Isolated Spring

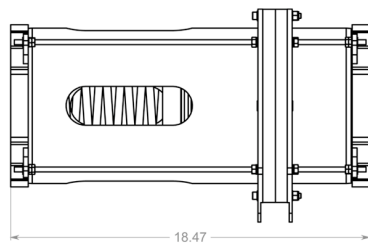
Available Options

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

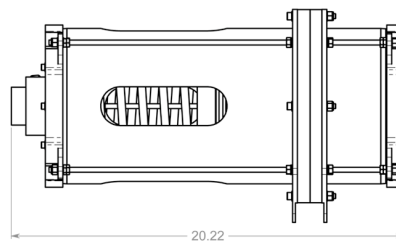
Description

The DOER One Gallon 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 durable acrylic housing allows for quick visual inspection of hydraulic fluid for volume and condition and 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 4 different port sizes 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.

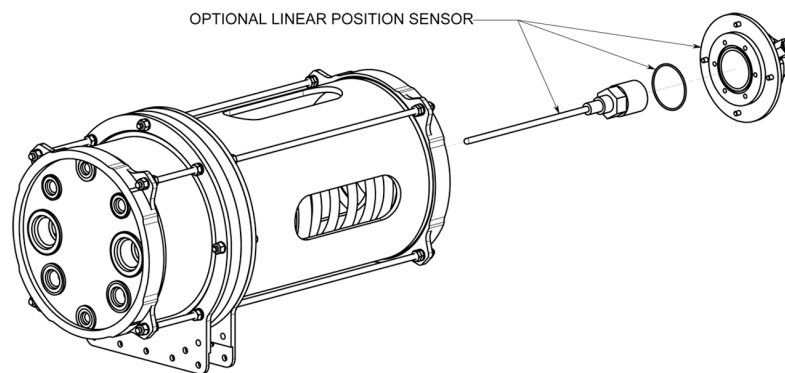
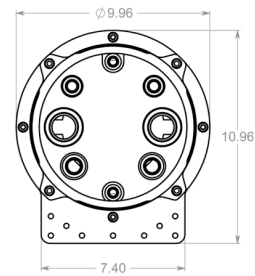
Specifications



DIMENSIONS WITHOUT SENSOR INSTALLED



DIMENSIONS WITH SENSOR INSTALLED



Hydraulic Specifications

- Capacity approx 1 Gal (4l)
- Pressure 10-15 psi (.7 to 1 bar) above ambient
- ORB ports (SAE J1926), no NPT
- two -4 ports for compensator drain, fill, and bleed
- 2 each of -6, -8, -16 ports

Optional Sensor Specifications

- 11.25 - 17 volts DC supply
- 4 to 20mA output
- 3 wire connector
- Independent 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 29 lbs. (13.2 kg)
- Size 22" Long, 10" diameter (55.9 cm L 25.4 cm diam)
- Buna-N Rolling diaphragm and acrylic construction
- Standard Bracket accepts 1.25" (31.75mm) Nominal stock and fastens with .25" hardware. Customized solutions are available.

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