

# COMPENSATOR 50 LITER SPRING LOADED

A PART OF ENVIREX  
COMPENSATOR  
SERIES



**The Envirex Compensator Series represents a number of hydraulic compensators that features a reliable and solid design, made to handle harsh subsea environments on great depths.**

The compensator are designed for systems which requires relatively over-pressure on depths down to 5000 meter and are typically used as fluid reservoirs for subsea systems.

The compensators are produced of EN-AW 6082 T6, GRP and POMC materials with stainless steel springs.

In addition to our hydraulic compensators, we also deliver complete subsea control systems (hydraulic, electronic and software).

## Features

- Solid and Reliable Design
- Facilitates system over-pressure
- Analog Fluid Level Sensor

## Typical Applications

- Subsea HPU Systems
- Subsea Reservoir
- Chemical Injection
- Subsea Tooling
- Subsea RWOCS Systems
- Subsea Excavators
- Trenchers

# SPECIFICATIONS

## SPRING LOADED COMPENSATOR 50 LITER

### General Technical Data

Type	Spring Loaded Compensator 50 Liter
Compensation Volume	(liters / USG) 47,75 / 12,6
Total Fluid Volume	(liters / USG) 57,5 / 15,2
Depth Rating	(msw) 5000 meter
Weight (in air / submerged) [kg]	~60 kg / ~23 kg
Operating Temperature	-4°C / + 40°C (24,8°F / 104°F)
Store Temperature	-18°C / + 40°C (0,4°F / 104°F)
Part Number	2201301 - with level sensor 2201816 - without level sensor

### Hydraulic Data

Connection 01 - 6 off	1/2" BSP Female
Connection 02 - 3 off	1-1/4" BSP Female
Min. Pressure (empty)	0,2 Bar (2,9 PSI) ***
Max. Pressure (full)*	0,7 Bar (10,15 PSI) ***
Fluid Compatibility **	Petroleum Based Mineral Oil / Water Based Glycol**
Hydraulic Connections	6 x 1/2" BSPP Female, 3 x 1-1/4" BSPP Female

- \* Maximum pressure 1 Bar (14,5 PSI)
- \*\* Please contact us for more information regarding fluid compatibility.
- \*\*\* Accuracy +/- 0,1 Bar

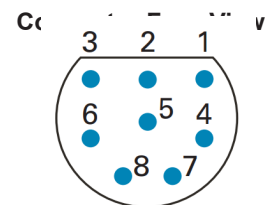
### Electrical Data (only applicable for P/N 2201301)

Nominal Voltage	20...30VDC
Signal Type	4-20mA
Connector	55 Series, Shell Size 15, 8-Pins

### Pin-out

### PWR & COMS

- Pin 01 – 0 VDC
- Pin 02 – 24 VDC
- Pin 03 – 4-20mA
- Pin 04 – NC
- Pin 05 – NC
- Pin 06 – NC
- Pin 07 – NC
- Pin 08 – NC



### Dimensions

