

# COMPENSATOR 50 LITER SPRING LOADED

A PART OF  
ENVIRENT  
COMPENSATOR  
SERIES



**The Envirent 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 is 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	-10°C/ + 60°C (14°F / 122°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)

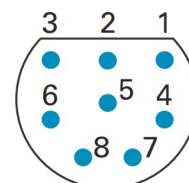
Nominal Voltage	20...30VDC
Signal Type	4-20mA
Connector	55 Series, Shell Size 15, 8-Pins

### 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

### Connector Face View



### Dimensions

