# 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 Compensation Volume Total Fluid Volume Depth Rating Weight (in air / submerged) [kg] Operating Temperature Part Number

#### Hydraulic Data

Connection 01 - 6 off

Connection 02 - 3 off

Min. Pressure (empty)

Max. Pressure (full)\*

Fluid Compatibility \*\*

#### Hydraulic Connections

\* 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

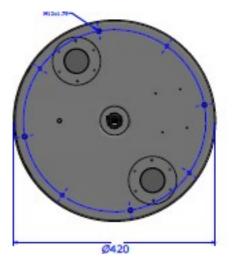
Signal Type

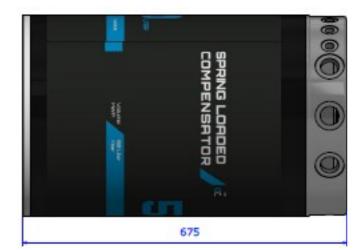
Connector

#### 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





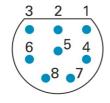
Spring Loaded Compensator 50 Liter (liters / USG) 47,75 / 12,6 (liters / USG) 57,5 / 15,2 (msw) 5000 meter ~60 kg / ~23 kg -10°C/ + 60°C (14°F / 122°F)

2201301 - with level sensor 2201816 - without level sensor

1/2" BSP Female
1-1/4" BSP Female
0,2 Bar (2,9 PSI) \*\*\*
0,7 Bar (10,15 PSI) \*\*\*
Petroleum Based Mineral Oil / Water Based Glycol\*\*
6 x 1/2" BSPP Female, 3 x 1-1/4" BSPP Female

20...30VDC 4-20mA 55 Series, Shell Size 15, 8-Pins

#### **Connector Face View**



The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement. Envirent AS, Robotvegen 16, 4340 Bryne, +47 477 77 500 post@envirent.no

