

COMPENSATOR 50 LITER SPRING LOADED

A PART OF
ENVIRENT'S
COMPENSATOR
SERIES



Description

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).

Typical Operations

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

Features

- ▣ Subsea HPU System
- ▣ Subsea Reservoir
- ▣ Chemical Injection
- ▣ Subsea Tooling
- ▣ Subsea RWORCS System
- ▣ Subsea Excavators
- ▣ Trenchers

▣ The specification details are illustrative for marketing purpose 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.
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SPECIFICATIONS

COMPENSATOR 50 LITER SPRING LOADED

Document No.: EVT-13835

Revision: 0

General Technical Specifications

Type	Compensator 50L Spring Loaded
Part Number	COMP-50
Dimensions L x W	675 mm x Ø420 mm
Weight in air / submerged	~60 kg / ~23 kg
Depth Rating	5000 MSW
Operating Temperature	-10°C / +60°C (14°F / 122°F)
Compensators Volume	47,75 L
Total Fluid Volume	57,5 L
Fluid Compability	Mineral Oil / Water Based Oil

Hydraulic Specifications

Connection 01 – 6 off	½" BSP Female
Connection 02 – 3 off	1-1/4" BSP Female
Min. Pressure (empty)	0,2 Bar (2,9 psi) Accuracy +/- 0,1 Bar
Max. Pressure (full 1 bar)	0,7 Bar (10,15 psi) Accuracy +/- 0,1 Bar
Hydraulic Connections	6 x ½" BSPP Female, 3 x 1-1/4" BSPP Female

Electrical Interface (only applicable if LVDT)

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

Pin-Out

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

