

16 L hydraulic compensator



The function of the compensator is to maintain a raised pressure in a fluid circuit related to ambient at all water depths. This is achieved by a spring acting on a rolling diaphragm, i.e. the connected fluid circuit will always see a pressure equal to ambient sea water pressure plus the pressure generated by the spring.

Use of rolling diaphragm instead of piston is a great advantage to reduce hysteresis in the compensation system. The compensator is provided with an interface that allows easy installation and stacking. Optional analog volume sensor is available. Even without volume sensor, the oil level can be visually read through slots in the spring housing.

Specifications

Product	16 L hydraulic compensator
Country of origin	Norway
Manufacturer	Kystdesign

Specifications

16 L Compensator	Without sensor	With Sensor
Manufacturer	Kystdesign AS	
Product No.	103360	103359
Model Code	AB25-1100	AB25-1100
Capacity	15,8 Liter	
Pressure	0,15 - 0,25 Bar	
Hydrauli connection	4 x 3/4" BSPP or Custom Manifold Plate	
Lenght	472 mm	588 mm at full stroke
Width	Ø366 mm	
Weight in air	24 kg	25 kg
Depth rate	Full ocean depth	3000 m Option 6000 m
Mechanical interface	Fastening to external structure by using clamps around the cylindrical part. Clamps can be supplied on request.	

