

# 6 L HYDRAULIC COMPENSATOR



AVAILABLE  
WITH ANALOG  
LEVEL SENSOR



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

6 L Compensator:	Without sensor	With Sensor
Manufacturer	Kystdesign AS	
Product No.	104194	104176
Model Code	AD85-2000	AD85-1000
Capacity	6 Liter	
Pressure	0,30 - 0,55 Bar	
Hydraulic Connection	4 x 1/2" BSPP	
Lenght	385 mm	588 mm at full stroke
Width	Ø246 mm	
Weight in air	11,39 kg	12,40 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.	

All technical data and specification are subject to change 2024-03

