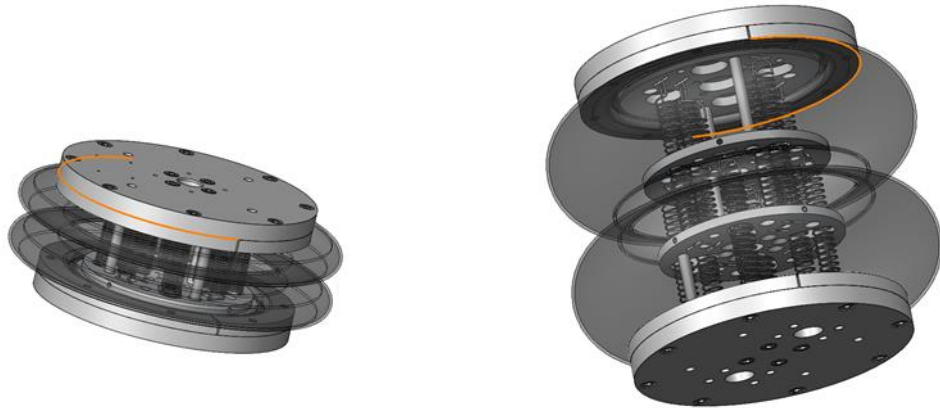


Compact compensator

Nexum's compact compensators are robust and service friendly, something that makes them well suited for the subsea market. These compensators are available with a light, medium or heavy set of springs. The compensators are designed with low friction, resulting in fast response when the pump makes rapid flow cycling.



Functions

The compensators fast response to changes in hydraulic flow protects the hydraulic pump from cavitation that will increase pump lifetime.

The rubber bellow is expanding when the compensator receives oil, and retract when feeding oil to the system.

Options

The compensators can be configured with pressure sensor for level and relief valve.

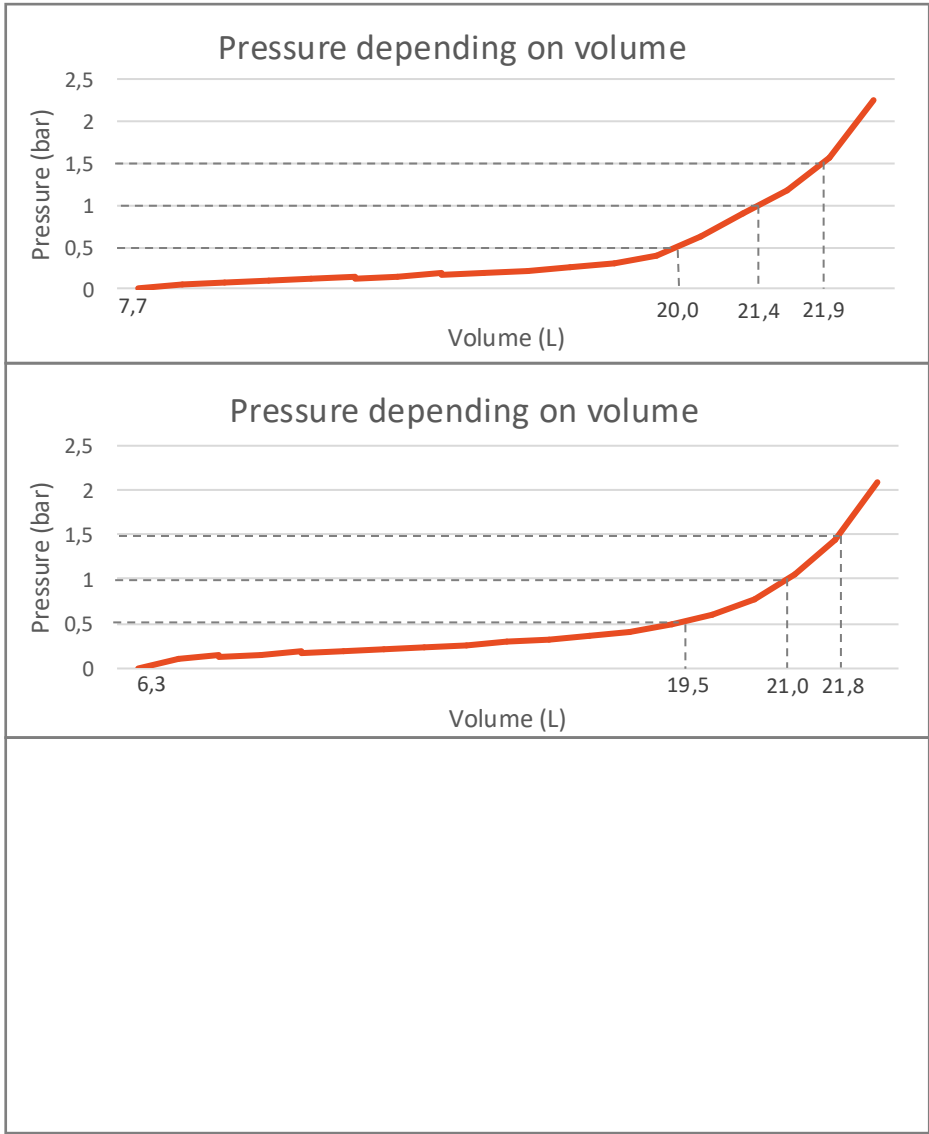
Design

The compensators are designed with multiple carbon steel springs that are located inside in the rubber bellow. The rubber bellow are robust and made from 4mm thick reinforced rubber. The location of the springs removes the risk of corrosion.

The design allows for a significantly smaller compensator compared to traditional compensator designs.

Technical spesifications

Spring type	Dimensions (mm)			Weight (kg)		Interfaces
	Diam.	Height	Max. Height	In air	Submerged	Flow ports
Light	380	157	337	20,2	9,9	2 X 1 ¼" SAE
Medium	380	157	337	20,3	10,0	2 X 1 ¼" SAE
Heavy	380	157	337	20,4	10,1	2 X 1 ¼" SAE



Light springs

Medium springs

GA Drawing

