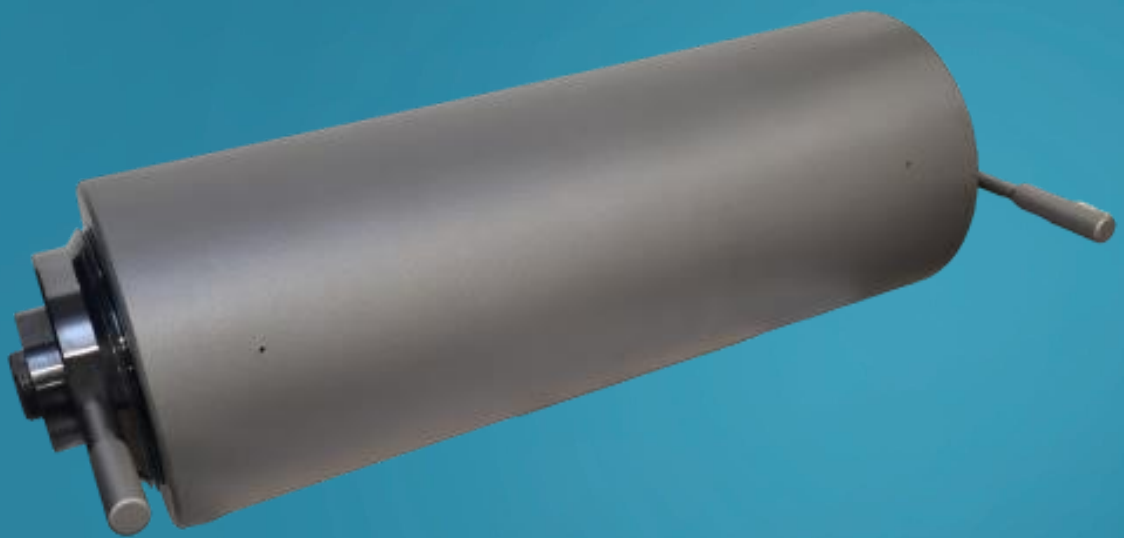


NOVA SWISS



Up to 4137BAR (60000 PSI)

High Pressure Vessels

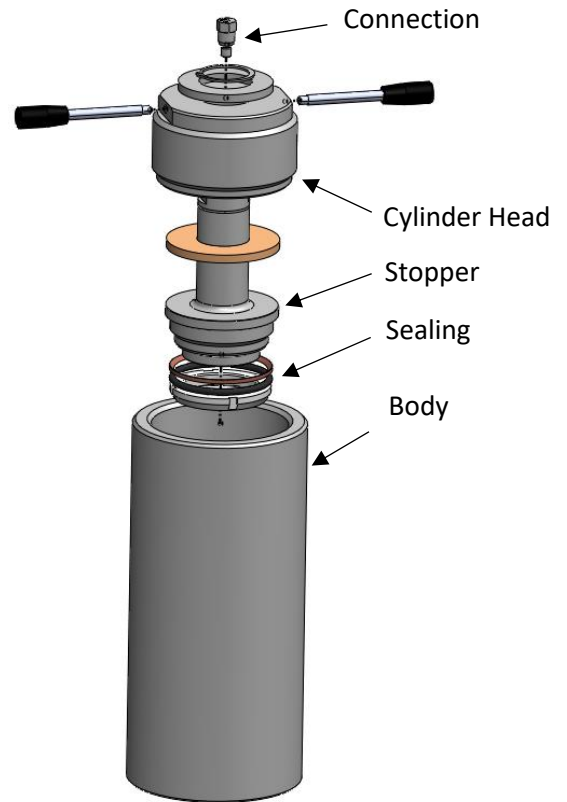
High-Pressure Vessels

Among a wide range of components Nova Swiss offers also high pressure vessels to pressurize fluids.

Set pressures are available from 50 bar (730 psi) up to 4137 bar (60 000 psi) for liquids and gases.

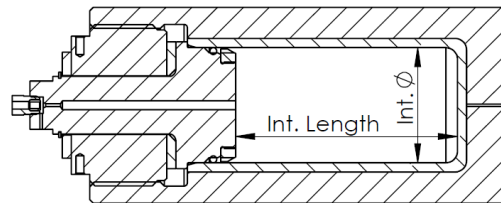
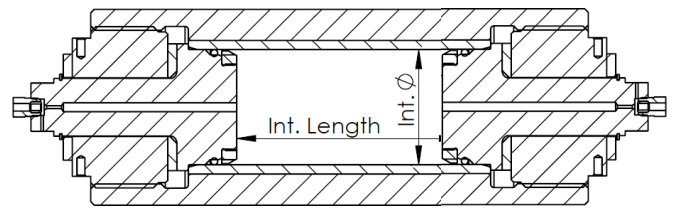
Compatibility of all components in contact with used fluid, temperature and connections are checked and validated.

Each vessel supplied is tested, certified and based on customer specification



High Pressure Vessel Features ⁽²⁾

- Pressure: From 50 to 4137 bar (730 to 60 000 psi)
- Temperature: From -20°C to +100°C
- Fluid: Liquid and gas group 2
Gas group 1 (O₂, H₂, CO)
- HP standard Nova Swiss® connections
- Sealing : elastomer O or U-ring
- Standard material:
Stainless Steel 1.4404 / 1.4418 / 1.4542
- Optional Painting C5 and coating
- One or two openings (threaded cylinder head)
- One or two connections (on the stopper)
- Compliant with PED 2014/68/UE
- Hydraulic test and gas leakage test (N2)
- Operating Instructions and compliancy certificates (English or French)
- Full traceability of manufactured parts
- Unique serial number
- CE marked



HPV codification ⁽³⁾

HPV	X	L ⁽⁴⁾ -	PP-	IC-	OC ⁽⁴⁾ -	LLLL-	Ø-
							Internal diameter (mm) 75 / 100 / 125 / 150
							Internal Length (mm) 0050 for 50mm / 800 for 800mm
							Outlet connection 4M / 6M / 9M / 4H / 6H / 9H / 4E / 6E / 9E
							Inlet connection 4M / 6M / 9M / 4H / 6H / 9H / 4E / 6E / 9E
							Pressure (kpsi) 15 for 15 kpsi / 30 for 30 kpsi / 60 for 60 kpsi
							Body with Liner L
							Cylinder Head 1 or 2

⁽¹⁾ The fluid used by the customer has to be communicated in order to check its compatibility with each material.
⁽²⁾ Design Pressure of 60 000 Psi is limited to internal diameter of 75mm.
Internal Length for HPV1 is limited to 400mm. Internal length for HPV2 is limited to 800mm.
⁽³⁾ Compatibility between the request and the application (material, fluid, pressure, temperature, connections, etc.) is subject to validation by Nova Swiss.
⁽⁴⁾ No character if not requested