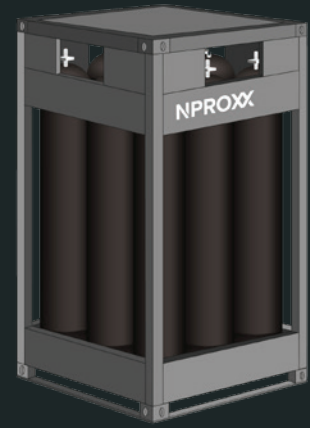


Factsheet Bundle, 1,000 bar, PED

TYPE 4 PRESSURE VESSEL SPECIFICATION

NPROXX manufactures high-strength, lightweight composite Type 4 pressure vessels for use in automotive and other industries. Our cutting edge technology, series manufacturing and experience spans 40 years and we are ideally placed to produce large quantities of customised, market ready product.



Specification	
Dimension (L x W x H)	1,200 x 1,200 x 2,200mm
Certification Storage System	PED with CE Certificate
Usable Storage Capacity (working pressure 10 - 1,000 bar, 15°C)	43kg H ₂
Volume	936 Litre
Weight (empty)	Appr. 1,692kg
No of pressure cylinders/system	9
Sections	1 Pcs
No safety Valves 1,000 bar	1 Pcs
No hand valves per section /total	1/1 Pcs
Certification hand valves	PED
Safety pressure release valve	3
Material Pipework	Stainless steel 1.4571
Material Container	Galvanised steel
Housing Sides	Open
Top Cover	Open
Bottom Cover	Galvanized steel support plates for mounting pressure cylinders
Mounting position PC	Vertical
Delivery condition	6 bar nitrogen filling

Specification pressure cylinder	ST360-100
Dimensions (Diameter x Length)	360 x 1,689mm
Pressure cylinder	Type 4 Composite
Certification	PED
Water content per cylinder	104 Litre
Usable capacity H ₂ (1,000 bar - 10 bar) per cylinder	5.1kg
Min. working pressure	10 bar
Nominal working pressure	1,000 bar
Approved temperature range	-40 to +85 °C
Maximum full Loadcycle (10 bar - 1,000 bar)	10,000
Lifetime	20 Years