

Hydrogen Fueling Storage – FS001

For fast 70MPa fueling of hydrogen at H2Station®

- Flexible configuration of storage capacity up to 100kg at 50MPa and 100MPa.
- Ready for later upgrade with more storage capacity when needed.
- Compact storage rack packaging with an area footprint of only 3.8m².
- 3 bank storage configuration for fast fueling and high capacity at 70MPa.
- Flexible placement at site up to 30 meters from Station Module (SM001).

Specifications

Operating pressure:	Nominal: 43-95MPa Maximum: 50MPa and 100MPa
Storage vessel type:	Steel vessels – type 1
Storage size:	Up to 100kg hydrogen per storage rack – multiple racks possible to achieve higher capacity. Flexible configuration of each storage rack with 3-4 vessels per layer and up to 11 layers.
Bank configuration:	Three independent banks (1 x 50MPa – 2 x 100MPa)
Dimensions:	L: 3410mm W: 1120mm H: flexible up to 3380mm
Weather resistance:	Suitable for outdoor installation
Safety equipment:	Mechanical and Safety Instrumented System IEC61511
Placement at site:	Up to 30 meters from Station Module (SM001)
Scope and interface:	Turnkey module with vessel piping and valve panel, ready for connection with Station Module (SM001)
Operating temperature:	-20°C to 40°C
Approvals & Certifications:	– CE marked – PED (2014/68/EU) Notified body Bureau Veritas

