

Hydrogen Supply Storage 20MPa – SS001

For onsite storage of hydrogen at H2Station®

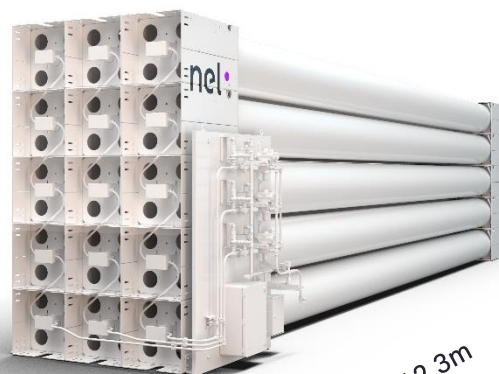
- Flexible configuration of storage capacity up to 500kg at 20MPa.
- Ready for later upgrade with more storage capacity when needed.
- Choice of short or long vessels depending on space available at site.
- 3 bank storage configuration for optimal delivery and use of hydrogen.
- Flexible placement at site up to 100 meters from Station Module (SM001).

Specifications

Operating pressure:	Nominal: 20MPa Maximum: 24MPa
Storage vessel type:	Steel vessels – type 1
Storage size:	Up to 500kg hydrogen per storage rack – multiple racks possible to achieve higher capacity. Flexible configuration of each storage rack with 3 vessels per layer and up to 5 layers.
Bank configuration:	Three independent banks for optimal delivery/use
Dimensions – short:	L: 6500mm W: 2400mm H: flexible 600-3000mm
Dimensions – long:	L: 12300mm W: 2400mm H: flexible 600-3000mm
Weather suitability:	Suitable for outdoor installation
Safety equipment:	Mechanical and Safety Instrumented System IEC61511
Placement at site:	Up to 100 meters from Station Module (SM001)
Scope and interface:	Turnkey module with vessel piping and valve panel, ready for connection with Station Module (SM001) and Hydrogen Supply Cabinet (SS002).
Operating temperature:	-20°C to 40°C
Approvals & Certifications:	- CE marked - PED (2014/68/EU) Notified body Bureau Veritas



Short rack – 6.5m



Long rack – 12.3m