



H2-Z003R11

H2 Filling station

The H2 filling station enables the refuelling of gaseous hydrogen from up to four different H₂ storage vessels (e.g., cylinder bundles). The filling process is simple and user-friendly; it can be started quickly and runs automatically. Depending on the pre-pressure in the H₂ storage vessels, a vehicle can be refuelled up to a maximum 350 bar. (Gases and gas cylinders are not included in the scope of supply)



The actual product may differ slightly from the image.

Standard version

- In accordance with SAE J2601-4, ISO 19880-1, ISO 14687, DIL0 manufacturer specifications
- Electronic control: Siemens touchscreen
- Cable cross-section $\geq 1.5 \text{ mm}^2$ (AWG 15)
- Cable with 16 A plug (AC/ 3-phase)
- Measuring range: 0 - 400 bar
- 1 hose with connecting couplings to vehicle TK16-H35. (Hose lengths and connecting couplings can be customised).
- Forklift slots
- Hose bracket
- Adaptable vent line (optional)
- Compressor unit (optional)
- Paint: anthracite blue

Key features

- Gas type: H2
- Operation: automatic
- Pressure range : 350 bar
- Filling: cascaded
- Storage connection: 4x H2 vessel
- Protection class : IP65

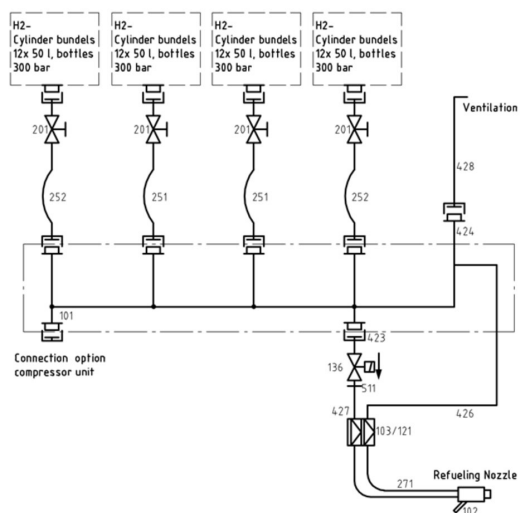
Advantages & functions

- Mobile thanks to a frame with forklift slots
- Modular use and expandable
- Scalable to meet growing demand
- Automated operation and display of the most important parameters via touchscreen
- Pressure indications in bar on the touchscreen
- Flexible adaptation to required connecting couplings
- Additional protection with break-away

Technical data

Dimensions (W x H x D)	1,200 x 2,280 x 800 mm
Weight	250 kg (empty)
Sound level	< 85 dB
Ambient temperature	-20 to +40 °C
Ambient moisture	< 90 % r. h. non-condensing
Protection class	IP 65
Height	2000 m max. above sea level
Operating voltage	230 V AC
Frequency	50/60 Hz
Power	10 A max.
Input voltage	380 V max.
Inlet pressure	350 bar max.
Output pressure	350 bar max. (depending on the upstream vessel)

Technical drawing



Note

Connecting line to the storage vessel on request.