

# HYDROGEN SMART FUELLER (HSF)

The HSF delivers unparalleled versatility in hydrogen refueling, catering to a wide range of vehicles, from trucks to planes. Merging innovation, flexibility, and efficiency, it stands as the vanguard of future refueling technologies.

- Designed to refuel a wide range of vehicles, including trains, trucks, buses, cars, forklifts and boats.
- Cascade refueling from 2 or 3 hydrogen storages - simply plug into the distribution panel.
- Optimise with chiller and heat exchanger add-ons for T20, T30 or T40 applications.
- Directly manage compressor and storage from the HSF - no external control cabinet needed.
- Handle both uncooled and cooled refueling at pressures up to 700 bar.
- Flexible refueling protocols: SAE J2601, CEP, and custom options for all cooling needs.
- Designed for mobility: fits into a large standard van for swift deployment.



## POWERFUL ENTRY-LEVEL SOLUTION FOR ALL YOUR HYDROGEN NEEDS

- 1. Unleash the potential:**  
Standalone technology for demonstrations, tests, and exhibitions.
- 2. Effortless control:**  
Manage compressor and storage with ease.
- 3. Customize to your requirements:**  
Choose between 350 bar or 700 bar version.

## GENERAL SPECS:

Dimensions (W x L x H)	1,3 m x 1,2 m x 3 m
Weight (basic configuration)	600 kg
N° H <sub>2</sub> supply inlet connectors	1 (optionally up to 3)
Operating display	7" daylight-readable display
Frame and wall	Stainless steel powder coated
Ambient temperature range	-20°C bis +40°C
Standards, guidelines	Machinery Directive 2006/42/EC Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU ATEX Directive 2014/34/EU Pressure Equipment Directive (PED) 2014/68/EU IEC 61508 - Functional safety of electrical/electronic/programmable electronic safety-related systems
Refueling protocol	All state-of-the-art protocols are implemented (SAE J2601, CEP, customized solutions are possible)
Branding	Wolftank branding**



## DISPENSER UNIT:

Nozzle & hose	TK-17, 350 and / or 750 bar
Insert: Hose length 3 m	Yes (in accordance with selected Nozzle)
Payment system	OPTIONAL *
Authentication	OPTIONAL * (e.g., Login via RFID, Password, ...)
Remote maintenance	OPTIONAL (integrated GSM router or hardwired)
Calibrated flow control	OPTIONAL *
Infrared communication according SAE J2799	OPTIONAL *

## RESOURCES REQUIRED

Electrical power	230 VAC, 50 Hz, 750 W
Air supply	Instrument air, dry and oil-free 6 to 10 bar
H <sub>2</sub> Supply	in accordance with SAE J2719, ISO 14687:2019
H <sub>2</sub> pressure supply Maximum Allowable Working Pressure (MAWP)	420 bar (H35); 920 bar (H70)
Additional resources	Defined by the installation permit



\* Selection required

\*\* Custom branding option available. Basic Wolftank brand rules apply.