

MULTI UNIT HYDROGEN FUELER (MUHF)

The MUHF revolutionizes the hydrogen fueling with its versatile connection and control system, designed to adapt to evolving demands. It ensures hydrogen refueling for a variety of vehicles.

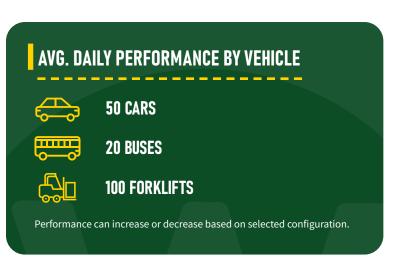
- Integrated heat exchanger to be combined with high performance chillers for T20, T30, or T40 refueling.
- Can be combined with compressors of different compression capacity and with buffers of different storage size for high performance refueling stations.
- Designed to refuel a wide range of vehicles, including trains, trucks, buses, cars, forklifts and boats.
- Works with one or two dispensing points in varied combinations (350, 700, 350/350, 350/700, 700/700).
- O Broad refueling protocol support: SAE J2601, CEP, and custom options for all cooling scenarios.
- Designed for easy transportation and installation.

MODULAR
UPGRADES BASED ON
DEMAND CHANGES

ONE SOLUTION TO MANAGE A COMPLETE REFUELING STATION:

- **Connect** up to 3 hydrogen sources for cascade refueling.
- 2. Standalone technology.
 Can be easily adapted to changing demand and needs.
- **3.** Able to **control** most compressors and storage.
- 350 or 700 bar version available, based on **demand.**
- Can **incorporate** a pneumatic compressor up to 920 bar.
- **6.** Easy and quick adaptation to storage, compressor and chiller.







TECHNICAL DETAILS



GENERAL SPECS:

OLIVERIAL OF LOOP	
Dimensions (W x L x H)	2,4 m x 2,8 m x 2,2 m
Weight (basic configuration)	Approx. 1700 kg
Operating display	7" HMI on the electrical cabinet for complete system visualization
Operating display	7" HMI daylight viewable on dispenser
Frame and wall	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
	ISO 19880-1
Control system	Siemens S7-1500 (failsafe)
Refueling protocoll	All state-of-the-art protocols are implemented (SAE J2601, CEP, customized solutions are possible)
Branding	Wolftank branding**



Nozzle & hose	TK-17, 350 and / or 750 bar
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, 500 W
Air supply	Instrument air, dry and oil-free 6 to 10 bar, 15 Nl per refueling process
N° of H ₂ supply inlet connectors	2 (200 up to 500 bar) *
Additional ressources	Defined by the installation permit

^{*} Selection required







Wolftank Group

Grabenweg 58, A-6020 Innsbruck hydrogen@wolftank.com www.wolftankgroup.com

 $^{^{\}star\star}$ Custom branding option available. Basic Wolftank brand rules apply.