WEH
YOUR FLUIDTECH PARTNER

OUR LATEST H_2 INNOVATIONS

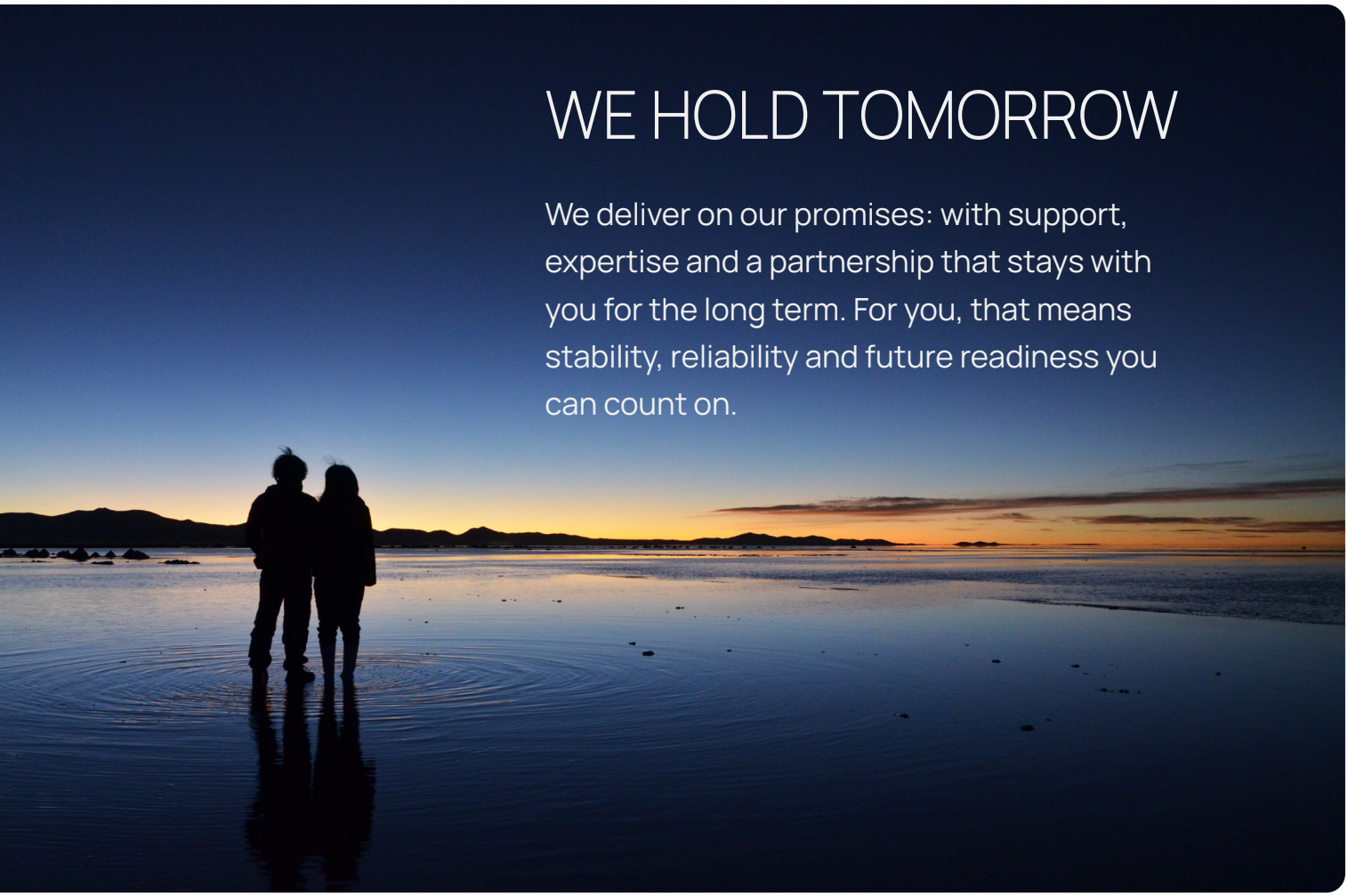
Your reliable partner for safe and efficient hydrogen solutions



YOUR FLUIDTECH PARTNER

For **more than 50 years**, we have been developing solutions that connect people, machines, and entire industries around the world. As a **specialist in FluidTech**, we create safe, leak-tight and user-friendly connection solutions for demanding media and applications up to the highest pressure ranges, including test benches, fluid handling processes, hydrogen infrastructure and natural gas refueling.

- **Listen** – understand real challenges
- **Think ahead** – explore new possibilities
- **Never stand still** – continuously improve, innovate and rethink



WE HOLD TOMORROW

We deliver on our promises: with support, expertise and a partnership that stays with you for the long term. For you, that means stability, reliability and future readiness you can count on.



PIONEERING SAFETY. TRUSTED FOR LIFE.

Safety is not just a feature for us. It's a promise. For WEH, Trusted for Life means more than technical safety.

- Pressure ratings up to 10,000 bar
- 100% final testing of every product
- A partnership throughout the entire product lifecycle

ENGINEERING TOMORROW' S STANDARDS

We don't follow standards, we set them. As **pioneers in fluid technology** with more than 70 patents, we are always one step ahead, **developing today the solutions that will become tomorrow's benchmark**.

- **Inventor of the jaw locking mechanism**
- **WEH set the NGV1 standard**
- **Pioneer in hydrogen refueling components**

H_2 INNOVATIONS: REFUELING COMPONENTS

1 TSA30 H_2 35MPa Breakaway Coupling



- For permanent installation in mounting dispenser
- Max. operating pressure 48.125 MPa
- Tested in accordance with ISO 19880-3

1 TSA31 H_2 35MPa Breakaway Coupling



- For inline installation within the hose assembly
- Max. operating pressure 48.125 MPa
- Tested in accordance with ISO 19880-3

Dispenser mounting for the TK20 H_2 Fueling Nozzle

2 Advanced



- Horizontal positioning of the fueling nozzle (helps prevent freezing)

Classic



- Vertical mounting dispenser magnetic field sensor and white weather protection canopy

Basic



- Simple vertical stainless steel mounting



3 TK200 H_2 Fueling Nozzle



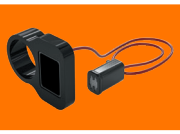
- Convenient one-handed operation
- Intuitive Push & Pull locking mechanism
- High flow rates of up to 90 g/s
- Available coding options: H35, H35MF or H70

Note: Suitable for “Twin Nozzle” refueling applications.

4 TN9 H_2 Receptacle



- TÜV-certified according to ISO 17268:2020
- Suitable for medium-flow applications (90 g/s)
- Available in H35, H35MF and H70 coding versions



Optional: Integrated infrared data interface

TK500 H_2 70 MPa High-Flow Fueling Nozzle



- Designed specifically for heavy-duty refueling applications
- Suitable for high-flow fueling rates up to 300 g/s
- Push & Pull locking mechanism
- H70HF coding compliant with ISO 17268-2

ONE PARTNER. ALL PRESSURE LEVELS.
The complete H_2 refueling portfolio from WEH.

From 35 MPa to 70 MPa, from standard to high-flow applications, WEH offers the right refueling components across all relevant pressure levels, from refueling nozzles and breakaway couplings to receptacles and other system components.

One portfolio. One experienced partner. More possibilities for your H_2 refueling solution.

H35 | H35 MF | H35 HF | H70 | H70 HF

H_2 INNOVATIONS: QUICK CONNECTORS AND VALVES

TW850-S60 H_2 Quick Connector

For filling and discharging hydrogen tanks



- Suitable for typical piping connections on H_2 trailers
- High flow capacity
- Optimized for hydrogen applications at high operating pressures

TW850-S50 H_2 Quick Connector

For pressure testing hydrogen-powered vehicles



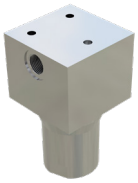
- Fast and reliable testing
- Compatible with ISO 17268-1 coded receptacles
- Optimized for hydrogen applications at high operating pressures

TVR9 H_2 Check Valve



- Maximum operating pressure up to 87.5 MPa
- High flow rates (90 g/s)
- Available with or without filter

Modular Industrial Filters



Coming soon

- Tool-free filter replacement thanks to an innovative bayonet locking system
- Maximum operating pressure up to 420 bar
- Available as a particulate filter or coalescing filter

H_2 INNOVATIONS: VALVES, TUBING AND FITTINGS FOR MEDIUM PRESSURE

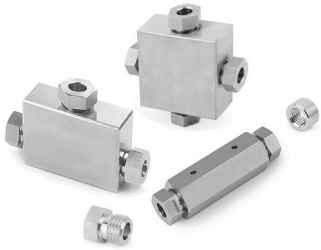
H_2- Particle Filter



H_2- Pressure Relief Valves



H_2- Fittings & Pipelines



Pneumatic H_2- Needle Valves



H_2- Needle Valves with manual actuation



H_2- Double Block & Bleed Valves



Pneumatic H_2- Ball Valves



H_2- Ball Valves with manual actuation



H_2- Check Valves



Features & Benefits:

- Maximum operating pressure up to 1,034 bar
- Special hydrogen-resistant design
- MP fitting connections with 60° cone and thread
- Available for tube sizes 3/8“, 9/16“, and 3/4“

To the Download

Contact

Do you have any questions or need further information? – We are happy to help.

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