

FAST MOVING TECHNOLOGY

STÄUBLI

GHV04 refueling nozzle

H70 Hydrogen refueling | Type C



A reliable, user-friendly and safe refueling solution for all hydrogen vehicles



Guarantee the safety of users and installations



Enhance user experience



Optimize your costs



Increase refueling efficiency

How Stäubli's design enhances your performance

Unique and safe locking system

- Freeze proof thanks to our mechanical design and rotary device
- Robust and precise receptacle guides
- Prevents disconnection if pressure exceeds 10 bar



Stäubli iRDA receiver

- Perfectly mechanically integrated
- Drop-resistant
- Detects that the nozzle is correctly connected to the vehicle

Connection and disconnection

- Simple push to lock
- Audible click
- Pull to unlock



Ergonomic design

- Comfortable and insulated grip area
- Nozzle points downwards when stored, for easy extraction
- Free swiveling handle for ease of operation
- Lightweight, compact design for easy handling



The opportunity to spend less and contribute to a sustainable development program.

With Stäubli, you can rely on:

- the performance of your equipment
- reliability of long-term investments

Technical data

| | | |
|--------------------|---|----------------------------------|
| Pressure class H70 | Nominal working pressure (NWP) | 700 bar (10153 psi) |
| | Maximum operating pressure (MOP) | 875 bar (12691 psi) |
| | Component pressure rating (PS) | 962.5 bar (13960 psi) |
| | CV | 0.48 |
| | Minimum and maximum allowable temperatures (TS) | -40 and +65 °C (-40 and +149 °F) |
| | Weight | 1,9 kg (4,2 lbs) |

Construction

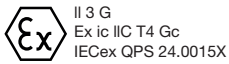
- Stainless steel body
- Insulated thermoplastic grip surfaces
- Wetted materials compatible with hydrogen

Compatibility

- Designed according to ISO 17268 and SAE J2600

Compliance

- Explosive Atmosphere certification (ATEX and IECEx):



Patented

US Pat. 9,528,650
CN Pat. ZL201410090901.
and other countries

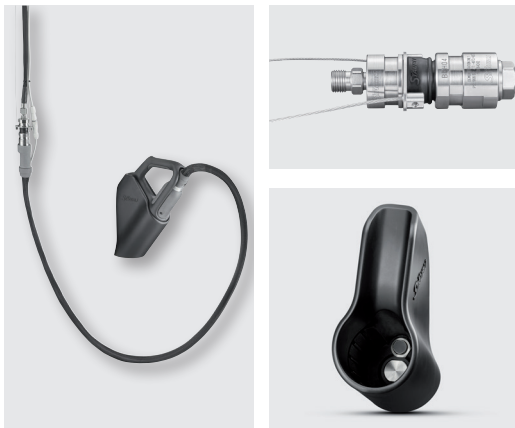


Patented

US Pat. 9,939,096
CN Pat. ZL201410094272.2
and other countries

- Designed and manufactured according to European Pressure Equipment Directive 2014/68/UE

Associated products



For even greater safety, use the BRH 04 break-away coupling together with the GHV 04 nozzle. The break-away system ensures immediate disconnection and automatic shut-off of the circuit in case of drive-off.

You can find out more about them in our dedicated documentation.

Storage holder: To ensure smooth, trouble-free operation, the refueling nozzle must be stored away from the effects of weather and other pollutants. For optimum compatibility and longevity, we strongly advise you to use the storage system specially designed for the GHV04 nozzle. Equipped with an internal sensor, it confirms to the distributor that the nozzle is correctly stored (see the instruction sheet supplied with the product).

For perfect integration, we offer a complete solution.

Part numbers

| | Interface | Part numbers |
|---------------------------|------------------------|------------------|
| Nozzle | UNF9/16-18" MP 60° | 100045455 |
| Storage holder | | 100010274 |



● Staubli Units ○ Representatives/Agents

Global presence of the Staubli Group

www.staubli.com