

Type TK25 H₂

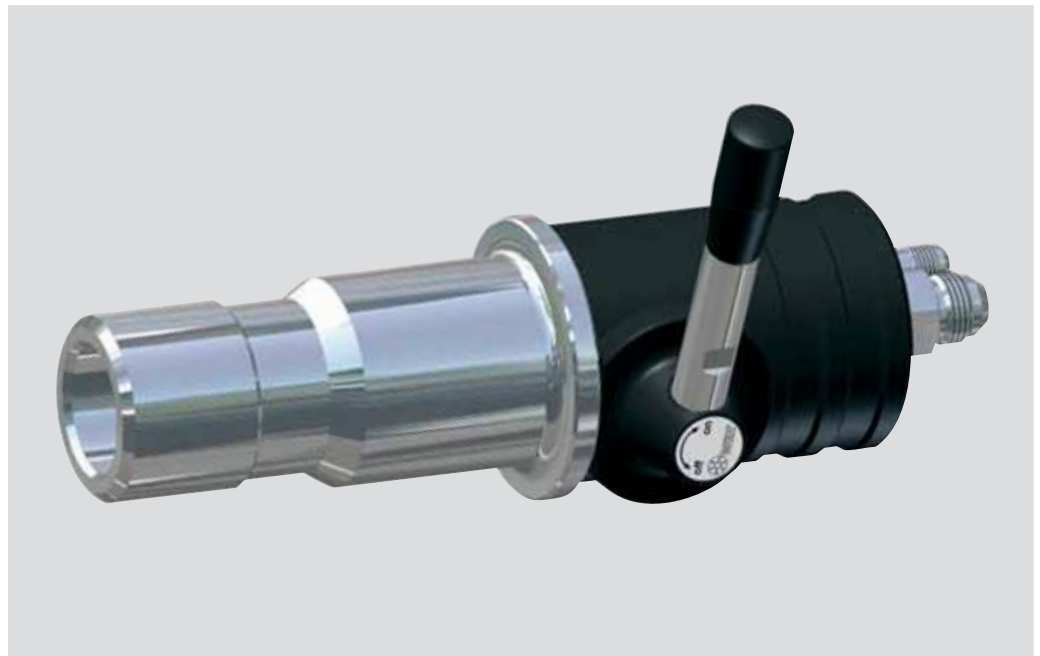
Patented fuelling nozzle for refuelling of gaseous hydrogen to be connected and disconnected under pressure (DN 12 mm)

Type TK25 meets all requirements placed on a fuelling nozzle for bus and truck refuelling. Thus making hydrogen refuelling as easy as diesel / gasoline refuelling.

Connecting procedure:
Place the nozzle onto the receptacle with a 180° turn of the handle, the filling procedure can start.

Features:

- Fuelling nozzle for fast filling at self-serve fuelling stations
- Extremely high flow rate → short filling times
- Recirculation of vented gas
- Safety features when not connected
- WEH-Jaw locking mechanism
- High-grade materials
- Two different pressure ranges 250 bar or 350 bar
- Jaw coding will not allow connection to natural gas vehicles
- For testing purposes operating pressure up to max. 450 bar
- TÜV-Approval for hydrogen
- Electrical conductivity



Safety

TK25 offers state of the art safety features for the operator even in the case of a malfunction of the receptacle (e.g. leakage).

The TK25 remains connected to the receptacle until the void between inlet valve and receptacle is depressurized.

To achieve optimum performance it is recommended that the TK25 Fuelling nozzle is used with the WEH-TN5 receptacle.

For further information on the filling hoses (high-pressure and venting hoses) refer to page 36 of catalogue No. 50.

Pressure range / coding

| Pressure range / coding | Nozzle | |
|-------------------------|---------|---------|
| | 250 bar | 350 bar |
| Receptacle 250 bar | X | |
| 350 bar | X | X |

X = Connection is possible

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Technical Data:

Application:

Fast filling of buses and trucks with gaseous hydrogen at self-serve fuelling stations.

Temperature range:

-40°C up to +85°C

Flow rate:

Cv 2.2

Function tested:

100,000 cycles

Pressure ranges:

According to the coding

Pressure range 250 bar:

PN = 250

PS = 350

PT = 500

Pressure range 350 bar:

PN = 350 bar

PS = 450 bar

PT = 645 bar

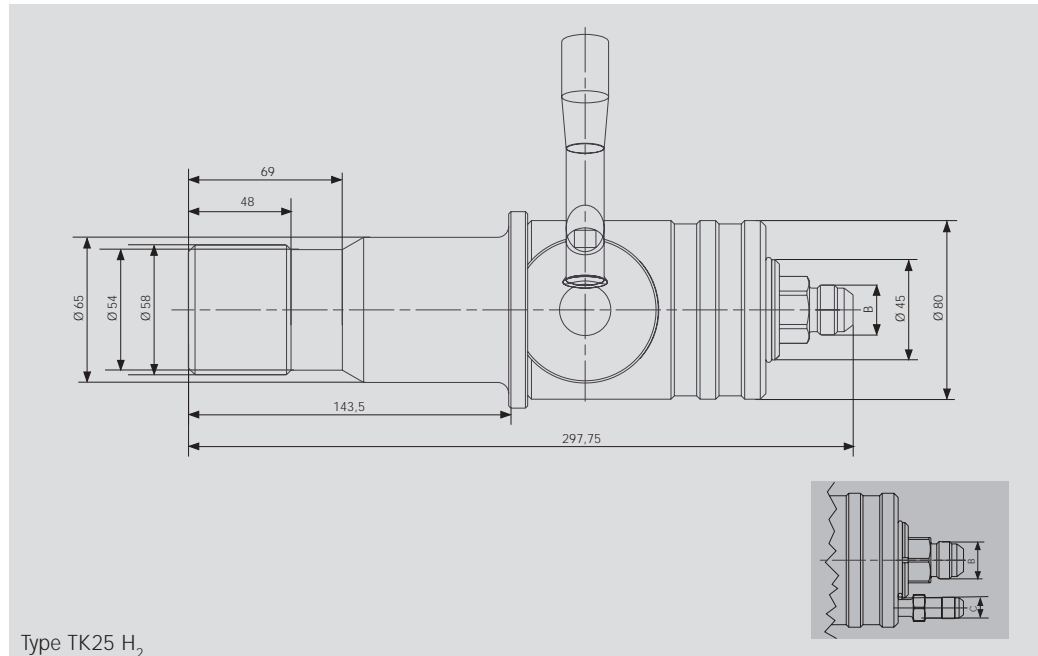
Design:

All parts corrosion-resistant steel with plastic thermal protection, vent pipe and dispenser mounting. Seals hydrogen compatible.

Registration:

PED 97/23/EC: CE 0036

Dimensions (mm):



Ordering:

| Description | Inlet B* | Gas recirculation C* (mm) | Part No. |
|--|------------------------------|------------------------------------|----------|
| TK25 - 250 bar | UNF 7/8" -14 external thread | Tube UNF 9/16" -18 external thread | C1-62529 |
| TK25 - 350 bar | UNF 7/8" -14 external thread | Tube UNF 9/16" -18 external thread | C1-62527 |
| Mounting (switch actuated) with weather protection | — | — | C1-82153 |

* acc. to SAE J514 37°

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