

Type TN1 H₂

Receptacle with coding for hydrogen (DN 8 mm)

Type TN1 is available for two different pressure ranges (250 bar and 350 bar) to be differentiated by the coding. Due to the sleek, internal aerodynamic design of the TN1 receptacle, chatter caused during the filling process is greatly reduced and maximum flow rate achieved. The WEH

TN1 has an integrated check valve system designed to minimize the effect that dirt particles have on sealing components within the receptacle. Therefore, the TN1 receptacle is a very durable unit, minimising maintenance and downtime.

There is no high frequency chatter during refuelling with the TN1 receptacle when used with WEH nozzles!

Features:

- One-piece construction without additional sealing surface
- Integrated non-contact high-flow check valve
- Sealing-friendly design
- Reduces chatter during refuelling
- Two different pressure ranges 250 bar or 350 bar
- Receptacle coding will not allow connection to natural gas refuelling stations or other alternative fuel station
- For testing purposes operating pressure up to max. 450 bar
- TÜV-Approval for hydrogen
- Optional, integrated particle filter (50 micron)



Type TN1 for 250 bar

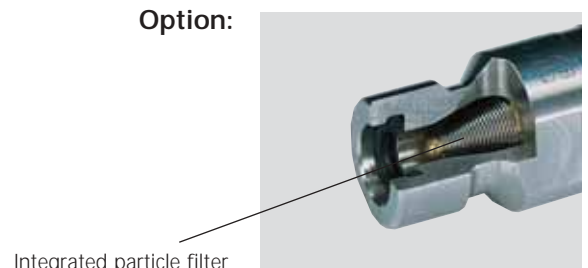


Type TN1 for 350 bar

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

X = Connection is possible

Option:



Integrated particle filter

Type TN1 H₂

Technical Data:

Application:

Receptacle for refuelling cars with gaseous hydrogen.

Temperature range:

-40°C up to +85°C

Function tested:

100,000 cycles

Pressure ranges:

According to the coding

Pressure range 250 bar:

PN = 250

PS = 350

PT = 525

Pressure range 350 bar:

PN = 350 bar

PS = 450 bar

PT = 675 bar

Design:

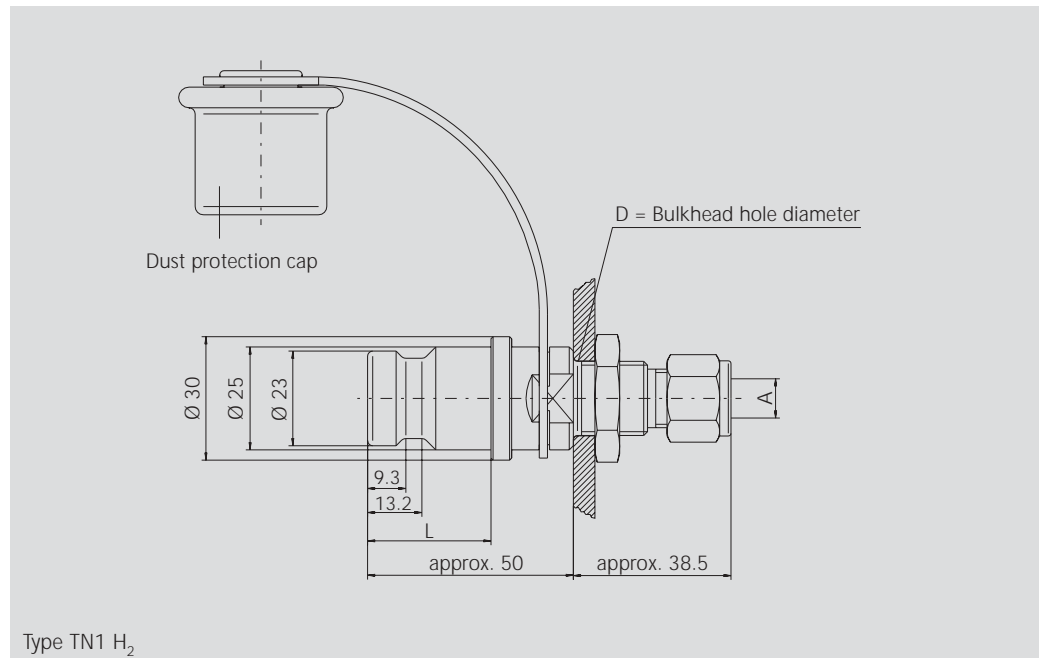
All parts corrosion-resistant steel with dust protection cap. Seals hydrogen compatible.

Registration:

PED 97/23/EC: CE 0036

Dimensions (mm):

Dust protection cap



Type TN1 H₂

Ordering:

Other inlet threads and versions on request.

Manufacturer:

WEH GmbH
Gas Technology
 Siemensstraße 5
 89257 Illertissen
 Germany
 Phone: +49 7303 95190-0
 Fax: +49 7303 95190-9999
 Email: sales@weh.com
<http://www.weh.com>

Description	Pressure range	Inlet A* (mm)	L (mm)	D (mm)	Part No.
TN1	250 bar	Tube Ø 3/8"	25	17	C1-18480
TN1	350 bar	Tube Ø 3/8"	30	18	C1-18481
TN1	350 bar	Tube Ø 10	30	17	C1-32456
TN1 incl. particle filter	250 bar	Tube Ø 3/8"	25	18	C1-31315
TN1 incl. particle filter	350 bar	Tube Ø 3/8"	30	18	C1-31316
TN1 incl. particle filter	350 bar	Tube Ø 10	30	18	C1-35426

* Twin ferrule fitting unless other wise specified!