

Type TN1 H₂ 70 MPa

Receptacle with coding for hydrogen (DN 4 mm)

A receptacle for the pressure range of 700 bar is now available for refuelling of cars with hydrogen. 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 H₂ 70 MPa has an integrated check valve system designed to minimize the effect that dirt particles have on sealing components within the receptacle. Therefore, the TN1 H₂ 70 MPa receptacle is a very durable unit, minimizing maintenance and downtime.

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

Features:

- Integrated non-contact high-flow check valve
- Sealing-friendly design
- Reduces chatter during refuelling
- Receptacle coding will not allow connection to natural gas refuelling stations or other alternative fuel station
- Approvals for draft SAE J2600 Draft WEH+ SAE TIR J2799 interface
- Integrated particle filter (20 Micron)



Pressure range / coding		Nozzle		
Pressure range / coding	Receptacle	250 bar	350 bar	700 bar
	250 bar	X		
	350 bar	X	X	
	700 bar	X	X	X

X = Connection is possible

WEH TN1 H₂ 70 MPa receptacle works best with the WEH fuelling nozzle TK17 H₂ 70 MPa.

With WEH one step ahead

Using an integrated particle filter avoids dirt ingress and therefore leakage at the receptacle which gives enhanced safety and reliability - essential features for hydrogen products.

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Technical Data:

Application:

Receptacle for refuelling cars with hydrogen.

Temperature range:

-40°C up to +85°C

Pressure range:

PN = 700 bar
PS = 875 bar
PT = 1255 bar

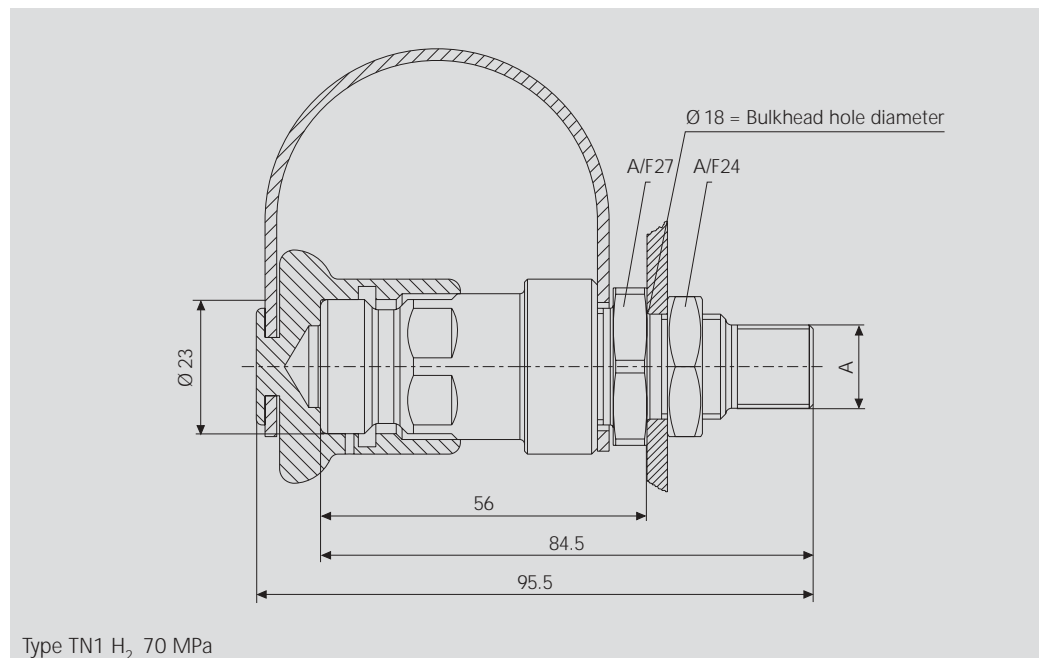
Registration:

PED 97/23/EC: CE 0036
corresponds to EIHP
(version 12b)
SAE J2600
SAE TIR J2799

Design:

All parts corrosion-resistant steel, with filter, integrated check valve and dust protection cap. Seals hydrogen compatible.

Dimensions (mm):



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Ordering:

Other inlet threads and versions on request.

Description	Inlet A	Part No.
TN1 H ₂ 70 MPa	O-lok Face Seal* for 6 mm (1/4") tube	C1-75560
TN1 H ₂ 70 MPa	O-lok Face Seal* for 6 mm (1/4") tube	C1-75622
TN1 H ₂ 70 MPa	O-lok Face Seal* for 10 mm (3/8") tube	C1-75092
TN1 H ₂ 70 MPa**	O-lok Face Seal* for 6 mm (1/4") tube	C1-84087
TN1 H ₂ 70 MPa** prepared for IR-Part	O-lok Face Seal* for 6 mm (1/4") tube	C1-84883

* Face Seal acc. to SAE J1453

** acc. to SAE TIR J2799

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

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