Fueling nozzle **TK17 H_2 70 MPa**

DESCRIPTION

Features
- Type C nozzle acc. to SAE J2600:2002, paragraph 5.2
- Left or right single-handed operation
- Compatible with WEH® TN1 H_2 70 MPa Receptacle profile
- WEH® EASY-TURN 250° swivel joint
- Easy operation
- High flow rate ➞ short filling times
- Protecion against impact and cold
- Plastic thermal protection
- Hand grip with magnet
- WEH® Jaw locking mechanism
- High-grade materials
- Coding for pressure range / gas type

The WEH® TK17 H_2 70 MPa was developed for refueling cars with compressed hydrogen (CGH_2). The fueling nozzle with single-handed operation is just as quick and easy to use as the common petrol nozzle and has a similar look and feel. Simply lift the nozzle from the dispenser mounting and place it onto the vehicle's receptacle. 250° rotation makes for easy engagement with the vehicle's fuel receptacle. Compress the actuation lever until locking lever engages and the fueling procedure begins. The gaseous hydrogen can only flow through the line if there is a safe connection. After refueling disengage the nozzle's locking lever and disconnect. Please note that refueling may be stopped or paused at any time.
The hand grip has a magnet for actuation of the magnet switch for activation of the dispenser.
The internal coding for pressure range and gas type ensures that the WEH® TK17 H_2 70 MPa can be connected to the compatible WEH® Receptacles according to the opposite table and also prevents the risk of confusion with natural gas.

TK17 H_2 70 MPa	TN1 H_2 25 MPa	TN1 H_2 35 MPa	TN1 H_2 35 MPa HF*	TN1 H_2 70 MPa
70 MPa				✓

* HF = High-Flow

The WEH® TK17 H_2 70 MPa offers optimum safety for the operator thanks to the locking mechanism. The fueling nozzle remains connected to the receptacle until the locking mechanism is released by the operator.

Application
Fueling nozzle for hydrogen fast filling of cars at self-service fueling stations.

TECHNICAL DATA

Characteristics	Basic version
Nominal bore (DN)	4 mm
Pressure range	PN = 70 MPa (10,000 psi) | PS = 87.5 MPa
Temperature range	-40 °C up to +85 °C (-40 °F up to +185 °F)
Medium note	Suitable for pre-cooled hydrogen
Material	Corrosion resistant
Sealing material	Hydrogen resistant
Nozzle type	Type C acc. to SAE J2600:2002, paragraph 5.2
Design	With plastic thermal protection, cold protection and hand grip with magnet
Weight	Approx. 1.9 kg (4.19 lbs.)
Conformity / Tests / Approvals	Tests acc. to SAE J2600:2002

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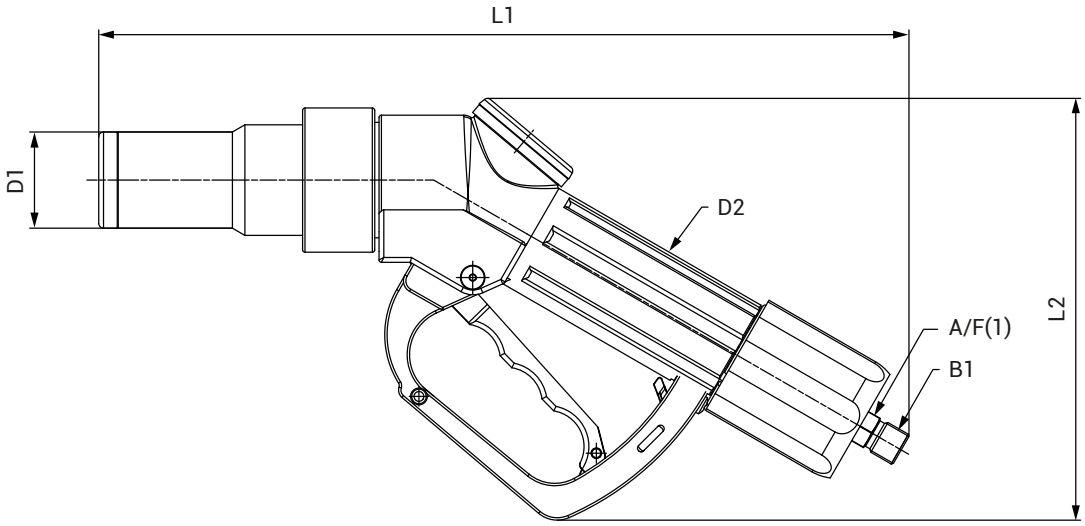
ORDERING | WEH® TK17 H_2 70 MPa Fueling nozzle

approx. dimensions (mm)



Part no.	Description	Pressure (PN)	B1 (male thread)	L1	L2	D1	D2	A/F(1)
C1-162708	TK17 H_2 70 MPa	70 MPa / 10,000 psi	UNF 9/16"-18*	337	175	40	46	14

* 60° inner cone

Fueling assemblies consisting of fueling nozzle, hose set and breakaway coupling are available on request.

ACCESSORIES

The following accessories are available for the WEH® TK17 H_2 70 MPa Fueling nozzle:

Hose set

Hose set for connecting fueling nozzle and TSA1 H_2 70 MPa breakaway coupling, complete with filling hose (for pre-cooled hydrogen) and braided protection hose as cover.
Design filling hose: max. operating pressure PS: 87.5 MPa / nominal bore (DN): 4.5 mm / temperature range: -40 °C up to +65 °C (-40 °F up to +149 °F)

Part no.	B1/B2 (female thread)	Hose length
E68-163061	UNF 9/16"-18*	3 m
E68-163062	UNF 9/16"-18*	4 m
E68-163063	UNF 9/16"-18*	5 m

* DKJ 58°

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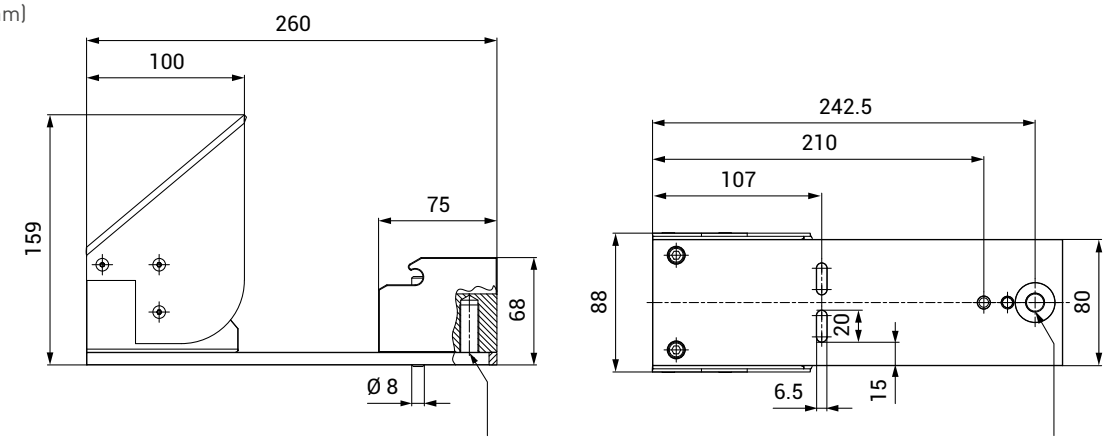
Dispenser mounting

Mounting for safe attachment of the fueling nozzle to the dispenser. Optionally a magnetic field sensor can be installed.

approx. dimensions (mm)



Mounting possibility for optionally available magnetic field sensor

Part no.	Description
C1-143641	Dispenser mounting (switch actuated) with weather protection and special cover for impact protection
E68-123980	Magnetic field sensor with 2 m cable, explosion-proof acc. to ATEX

TNS1 H_2 Service receptacle

To prevent damage in the fueling nozzle while purging or leak testing during maintenance in the course of which pressure is applied, we recommend the use of a service receptacle. The receptacle also protects the fueling nozzle from dirt ingress whilst not in use.

Part no.	Description
C1-148079	TNS1 H_2 Service receptacle incl. protection cap

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SPARE PARTS

Various parts are available as spares for the WEH® TK17 H_2 70 MPa Fueling nozzle.

Part No.	Description
E80-80187	1 Impact protection
E80-84030	2 Locking lever
E69-161748	3 Logo cap
E80-59738	3 Label plate
E80-162272	4 Plastic thermal protection (cold protection)
E99-44923	Maintenance spray

When ordering please specify the part no. engraved on the fueling nozzle.