

Type TK17 H₂ 70 MPa

Patented fuelling nozzle TK17 H₂ 70 MPa for fast filling with hydrogen at self- serve fuelling stations (DN 4 mm)

The first WEH fuelling nozzle for 700 bar with single-handed operation is now available. Type TK17 H₂ 70 MPa was developed for refuelling cars with hydrogen (CGH₂). The nozzle-jaws have a code specifically for pressure range and gas

type and thus the jaw coding will not allow connection to natural gas vehicles or other alternative fuel connections. The integrated swivel joint can easily be turned into the optimal actuating position despite the rigid fuel hoses.

Features:

- Super light
- WEH-EASY-TURN® swivel joint about 300° for operating handle
- Extremely high flow rate → short filling times
- WEH-Jaw locking mechanism
- Integrated shut-off valve
- Compact design
- Jaw coding will not allow connection to natural gas vehicles or other alternative fuel connections
- Two different versions available:
 - acc. to SAE J2600 Draft WEH
 - acc. to SAE TIR J2799 interface + SAE J2600



Safety

The TK17 H₂ 70 MPa offers optimum safety to the operator. The fuelling nozzle remains connected to the receptacle until the gas between inlet valve and receptacle is depressurized. Type TK17 H₂ 70 MPa works best with the WEH-TN1 H₂ 70 MPa receptacle.

A mounting for the TK17 H₂ 70 MPa nozzle is available on request, please contact WEH directly.

For further information on the filling hoses refer to page 36 of catalogue No. 50.



TK17 H₂ 70 MPa + mounting

Pressure range / coding

Receptacle	Nozzle		
	250 bar	350 bar	700 bar
250 bar	X		
350 bar	X	X	
700 bar	X	X	X

X = Connection is possible

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Technical Data:

Application:

H₂ fast filling of cars at self-serve fuelling stations. Fuelling nozzle type TK17 H₂ 70 MPa designed to be used with receptacle WEH-TN1 H₂ 70 MPa.

Temperature range:

-40°C up to +85°C

Pressure ranges:

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

Registration:

PED97/23/EC: CE 0036
SAE J2600
SAE TIR J2799

Design:

All parts corrosion-resistant, with plastic thermal protection, without vent pipe and dispenser mounting with hose venting. Seals hydrogen compatible.

Dimensions (mm):



Ordering:

Inlet port 'B' available with other thread sizes on request.

Description	Inlet B	Part No.
TK17 H ₂ 70 MPa (Registration acc. to SAE TIR J2799 interface and SAE J2600)	UNF 9/16" -18* external thread	C1-84044
TK17 H ₂ 70 MPa (Registration acc. to SAE 2600 Draft WEH)	UNF 9/16" -18* external thread	C1-58353
Mounting (switch actuated)	—	C1-79830

* 60° inner cone (please contact us!)