Type **TK17 H₂ 70 MPa**

**WEH® H₂ Fueling Nozzle with Data Interface**

for light-duty vehicles (cars) at self-service fueling stations
Type TK17 H₂ 70 MPa | Fueling nozzle with data interface for cars

General

The WEH® TK17 H₂ 70 MPa with data interface was developed for refueling cars with compressed hydrogen [CGH₂]. 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 WEH® TK17 H₂ 70 MPa has an interface (IR) for data transfer between vehicle and fueling station. Furthermore, the fueling nozzle has a coding specifically for pressure range and gas type and thus the coding will not allow connection to natural gas vehicles or other pressure ranges.

Safety

WEH® TK17 H₂ 70 MPa with data interface offers optimum safety to the operator. The fueling nozzle remains connected to the receptacle until the system is depressurized.

Application


TECHNICAL DATA

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Basic version</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal bore DN</td>
<td>4 mm</td>
<td>On request</td>
</tr>
<tr>
<td>Pressure range</td>
<td>PN = 700 bar</td>
<td>PS = 875 bar PT = 1255 bar</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40 °F up to</td>
<td>+185 °F</td>
</tr>
<tr>
<td>Material</td>
<td>Corrosion resistant</td>
<td>On request</td>
</tr>
<tr>
<td>Sealing material</td>
<td>Hydrogen compatible</td>
<td>On request</td>
</tr>
<tr>
<td>Design</td>
<td>With plastic thermal protection, hand grip with magnet and data interface. Without gas recirculation</td>
<td>On request</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 5.07 lbs.</td>
<td></td>
</tr>
<tr>
<td>Registration</td>
<td>PED97/23/EC: CE0036 SAE J2600:2002 / SAE TIR J2799 Data interface: SAE J2601 / ATEX</td>
<td>Approval acc. to KHKS 0220 Data interface: SAE J2601 / NEC Class 1 Zone 1</td>
</tr>
</tbody>
</table>
Ordering / Accessories

Ordering | WEH® TK17 H₂ 70 MPa Fueling Nozzle with Data Interface
approx. dimensions [mm]

On request the TK17 H₂ 70 MPa fueling nozzle with data interface is also available with registration acc. to NEC Class 1 Zone 1 (acc. to SAE J2601).
Complete nozzle-hose-assemblies consisting of fueling nozzle, hose set and breakaway coupling are available on request.

ACCESSORIES

The following accessories are available for the WEH® TK17 H₂ 70 MPa Fueling Nozzle with Data Interface:

High pressure filling hoses

High pressure filling hose for connecting fueling nozzle and TSA1 H₂ 70 MPa breakaway coupling, complete with hose fittings, plastic spiral hose and cable for data interface.
Design: max. operating pressure PS: 875 bar (12,690 psi) / nominal bore DN: 6.3 mm

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Filling hose B1/B2 (female thread)</th>
<th>Hose length</th>
</tr>
</thead>
<tbody>
<tr>
<td>E68-108615</td>
<td>UNF 9/16”-18*</td>
<td>3 m</td>
</tr>
<tr>
<td>E68-108614</td>
<td>UNF 9/16”-18*</td>
<td>4 m</td>
</tr>
<tr>
<td>E68-108613</td>
<td>UNF 9/16”-18*</td>
<td>5 m</td>
</tr>
</tbody>
</table>

* DKJ 58°

* 60° inner cone
**Accessories**

**Dispenser mounting**

Mounting for safe attachment of the fueling nozzle to the dispenser. Design: Aluminium, stainless steel

approx. dimensions (mm)

```
<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1-91281</td>
<td>Mounting (switch actuated) with weather protection</td>
</tr>
</tbody>
</table>
```
### Accessories

**Data cable**

Data cable for connecting controller and dispenser.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>E68-96193</td>
<td>Data cable 3.45 m</td>
</tr>
</tbody>
</table>

**Spare parts**

Various parts are available as spares for the TK17 H₂ 70 MPa fueling nozzle with data interface.

When ordering please quote the part no. imprinted on the fueling nozzle.
Type **TK17 H₂ 70 MPa** | Fueling nozzle with data interface for cars

### Other products

**OTHER PRODUCTS**

You will find more products in our current catalog no. 50

Further information on our homepage

www.weh.com

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**Contacting**

For queries and further information, please do not hesitate to contact us.

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