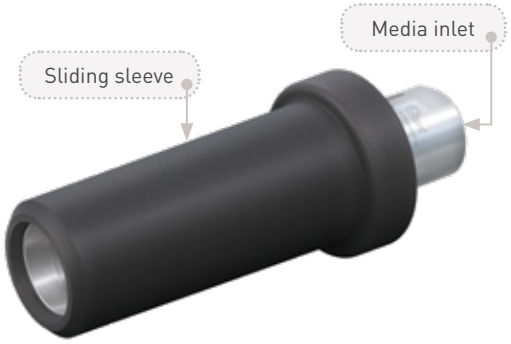
Type **TK4 CNG**

CNG Fuelling Nozzle

for cars

General

DESCRIPTION



Features
- Compatible with receptacles acc. to NGV1 standard and ISO 14469-1 and 3
- Push-Pull actuation
- Integrated shut-off valve
- Plastic thermal protection
- WEH® Jaw locking mechanism
- Colour coded sliding sleeve (200 bar / 3,000 psi black, 250 bar / 3,600 psi yellow)
- High-grade materials
- Compact design

The TK4 CNG fuelling nozzle is designed specifically for fast filling of vehicles having an NGV1 receptacle at fuelling stations with NGV1 standard and is best suited for this application.
The TK4 CNG is now even easier to operate. The clamping jaws are opened when the nozzle is disconnected and the sliding sleeve need not be pulled back to connect the nozzle. Just push the nozzle straight onto the receptacle and the TK4 CNG jaws clamp tightly. Once the fuelling nozzle is connected, the shut-off valve in the nozzle opens and the pressure-tight connection is established. The extended construction of the fuelling nozzle allows easy refuelling of difficult-to-access receptacles.

Application
Fuelling nozzle for CNG fast filling of cars to be used with WEH® TN1 CNG receptacles acc. to NGV1 standard and ISO 14469-1 and 3.
Operation only by specially trained service personnel. Not for self-service operation!

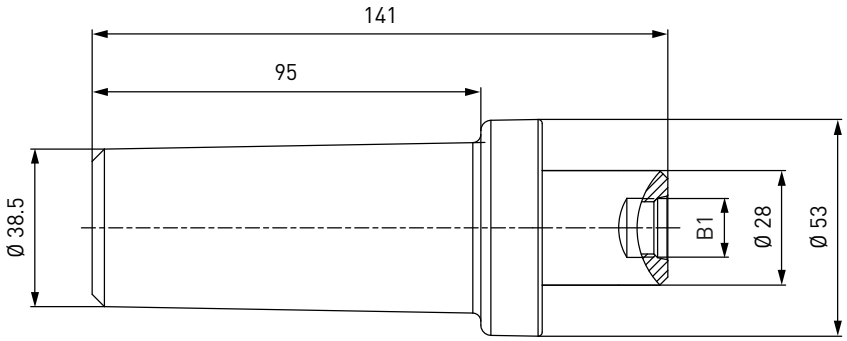
TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	Depending on design	On request
Pressure range	B200 acc. to ISO 14469-1 (P30 acc. to ANSI NGV1) PN = 200 bar (3,000 psi) | PS = 300 bar | PT = 450 bar (black) B250 acc. to ISO 14469-3 (P36 acc. to ANSI NGV1) PN = 250 bar (3,600 psi) | PS = 350 bar | PT = 525 bar (yellow)	
Temperature range	-40 °C up to +85 °C (-40 °F up to +185 °F)	On request
Material	Corrosion resistant	On request
Sealing material	Natural gas compatible	On request
Design	With plastic thermal protection	On request
Weight	Approx. 0.4 kg (0.88 lbs.)	
Registration	The products comply with ANSI NGV1	

Ordering / Accessories

ORDERING | Fuelling nozzle TK4 CNG

approx. dimensions (mm)



Part No.	Description	DN	Pressure (PN)	Inlet B1 (internal thread)
C1-112765-X01	TK4 CNG	8	200 bar / 3,000 psi (black)	UNF 9/16"-18*
C1-112764-X01	TK4 CNG	8	250 bar / 3,600 psi (yellow)	UNF 9/16"-18*
C1-125996-X01	TK4 CNG	8	200 bar / 3,000 psi (black)	UNF 9/16"-18* LH
C1-125997-X01	TK4 CNG	8	200 bar / 3,000 psi (black)	G3/8"

* acc. to SAE J1926

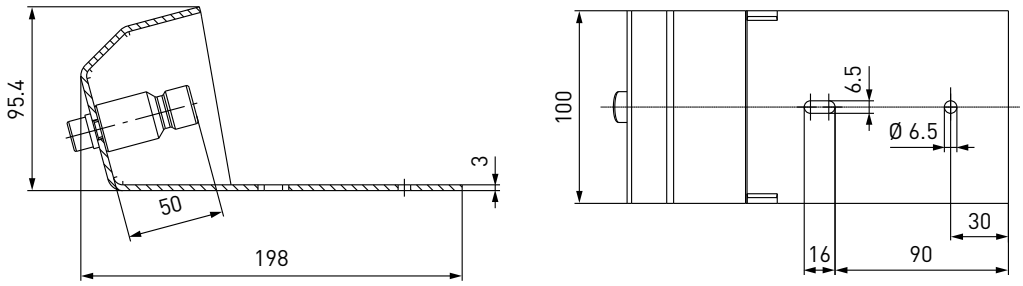
On request inlet port 'B1' is also available with other thread sizes.

ACCESSORIES

The following accessories are available for type TK4 CNG:

Dispenser mounting

Mounting for safe attachment of the fuelling nozzle to the dispenser. Design: Stainless steel



Part No.	Description
C1-100205	Mounting (not switch actuated)

Accessories

Filter TSF1 CNG (40 micron)

We recommend the installation of a type TSF1 CNG filter (see page 90, catalogue no. 15) between the nozzle and the filling hose. The filter protects your system from damage due to dirt ingress.

Part No.	Description	DN	Pressure (PN)	Inlet B1	Outlet B2
C1-94070-X01	TSF1 CNG	8	250 bar / 3,600 psi	UNF 9/16"-18* internal thread	UNF 9/16"-18* external thread
C1-106854-X01	TSF1 CNG	8	250 bar / 3,600 psi	UNF 9/16"-18** external thread	UNF 9/16"-18* external thread

* acc. to SAE J1926
** acc. to SAE J514, 37°

Filling hoses

Filling hoses for connecting fuelling nozzle and dispenser, complete with fittings and press-fittings supported by coil spring stubs.

Part No.	Filling hose B1/B2 (internal thread)	Hose length
E68-1031-3000	UNF 9/16"-18*	3 m
E68-1031-4000	UNF 9/16"-18*	4 m
E68-1031-5000	UNF 9/16"-18*	5 m

* acc. to SAE J514, 37°

Fittings

Stainless steel fittings for connecting the media inlet 'B1' to the filling hose.

Part No.	Description	Connection fuelling nozzle	Connection filling hose
W6702	Fitting	UNF 9/16"-18** external thread	UNF 9/16"-18* external thread
W6705	Fitting	UNF 9/16"-18** external thread	UNF 7/16"-20* external thread
W6927	Fitting	UNF 9/16"-18** external thread	UNF 7/8"-14* external thread
E80-561P	Fitting	UNF 9/16"-18** external thread	NPT 1/4" external thread
C1-59695	Fitting	UNF 9/16"-18** external thread LH	UNF 9/16"-18** external thread

* acc. to SAE J514, 37°
** acc. to SAE J1926

Please see page 126 in catalogue no. 15 onwards for a detailed overview on all available fittings.

Accessories

Spare parts

Various parts are available as spares for type TK4 CNG:

Part No.	Description
C1-132266	(1) Spare parts set 200 bar / 3,000 psi (black sliding sleeve incl. disk and 3 screws)
C1-132267	(1) Spare parts set 250 bar / 3,600 psi (yellow sliding sleeve incl. disk and 3 screws)
E99-44923	Maintenance spray

Other products

OTHER PRODUCTS

You will find more products in our current catalogue no. 15

Further information on our homepage
www.weh.com

Abbreviations/Definition
Explanation of abbreviations see technical appendix in the catalogue or ***www.weh.com***

Safe product selection
Our WEH® Products are designed to be operated by qualified professional users (insofar as WEH® Products are also designed to be operated by other users in individual cases, this is explicitly stated in the corresponding operating instructions). You alone are responsible for the selection of WEH® Products and their configuration according to the requirements of your system. In doing so, please particularly consider your intended use, your performance data, your material compatibility, your system concept and your system limits as well as your technical and legal requirements for operation, handling and maintenance. The quality and safety of WEH® Products is our highest priority. For this reason, WEH® Products may not be used outside the specifications in the relevant Product data sheets and product descriptions. We also strongly recommend that you refrain from using third-party spare parts or a combination of WEH® Products with unsuitable third-party products. You alone are responsible for reviewing the suitability of third-party products. WEH® Products and WEH® Spare parts comply with our quality and safety standards.

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These WEH® Products are generally and exclusively classified as pressure accessories for piping in accordance with Article 2 (5) of the Pressure Equipment Directive 2014/68/EU. These WEH® Products may not be used (i) as safety accessories or (ii) for vessels as defined by the Pressure Equipment Directive 2014/68/EU. Therefore, the application of these WEH® Products must comply with their classification as pressure accessories for piping. The assessment with regard to a different classification can, however, be made on request.

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» Contacting

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