

Type **TK16 CNG**

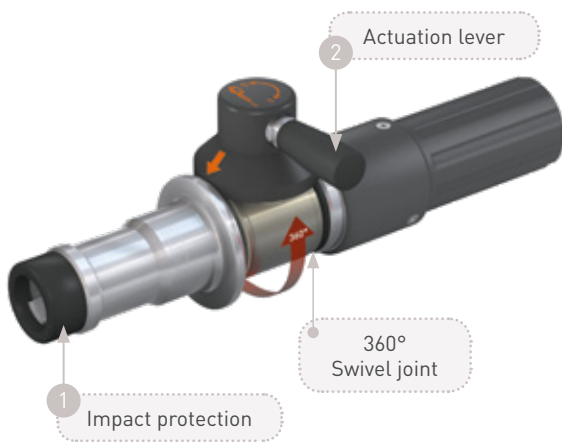
CNG Fuelling Nozzle

for cars at self-service fuelling stations



General

DESCRIPTION



Features

- Super light ➔ only 1,750 grams
- Compatible with receptacles acc. to NGV1 standard and ISO 14469-1 and 3
- WEH® EASY-TURN 360° swivel joint for actuation lever
- Easy operation
- Extremely high flow rate ➔ short filling times
- Recirculation of the vented gas
- Plastic thermal protection
- WEH® Jaw locking mechanism
- Colour coded impact protection (200 bar / 3,000 psi black, 250 bar / 3,600 psi yellow)
- High-grade materials
- Coding for pressure range / gas type

TK16 CNG, the world's most popular NGV1 fuelling nozzle.

Type TK16 CNG is very light in weight and therefore easy to operate. The actuation lever is located on the integrated swivel joint making it easy to rotate into the optimal actuating position. The compact actuation lever needs less effort to actuate the nozzle.

Safety

The TK16 CNG offers optimum safety to the operator.

The fuelling nozzle remains connected to the receptacle until the gas between inlet valve and receptacle is depressurized. To achieve optimum performance it is recommended that the TK16 CNG fuelling nozzle is used with the WEH® TN1 CNG receptacle.

Application

Fuelling nozzle for CNG fast filling of cars at self-service fuelling stations to be used with WEH® TN1 CNG receptacles acc. to NGV1 standard and ISO 14469-1 and 3.

TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	8 mm	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 and gas recirculation	On request
Weight	1.75 kg (3.86 lbs.)	
Registration	The products comply with ANSI NGV1	

Ordering

ORDERING | Fuelling nozzle TK16 CNG

approx. dimensions (mm)



Part No.	Description	Pressure (PN)	Inlet B (external thread)	Gas recirculation C (external thread)
C1-35299-X5-X01	TK16 CNG	200 bar / 3,000 psi (black)	UNF 9/16"-18*	UNF 7/16"-20*
C1-101084	TK16 CNG	250 bar / 3,600 psi (yellow)	UNF 9/16"-18*	UNF 7/16"-20*

* acc. to SAE J514, 37°

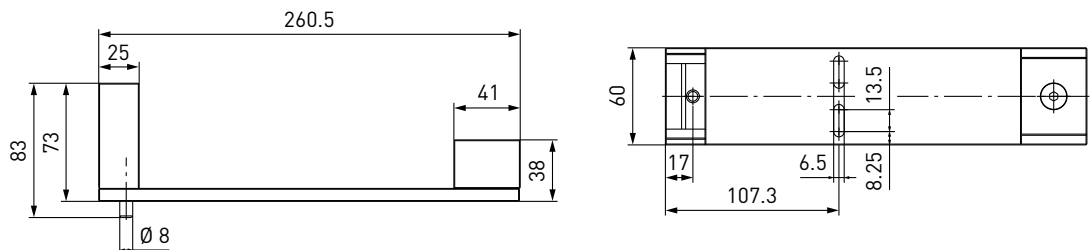
Please see page 20 in catalogue no. 15 onwards for complete hose assemblies consisting of fuelling nozzle, hose set and breakaway coupling.

ACCESSORIES

The following accessories are available for type TK16 CNG:

Dispenser mounting

Mounting for safe attachment of the fuelling nozzle to the dispenser. Optionally with or without switch actuation.
Design: Aluminium, stainless steel

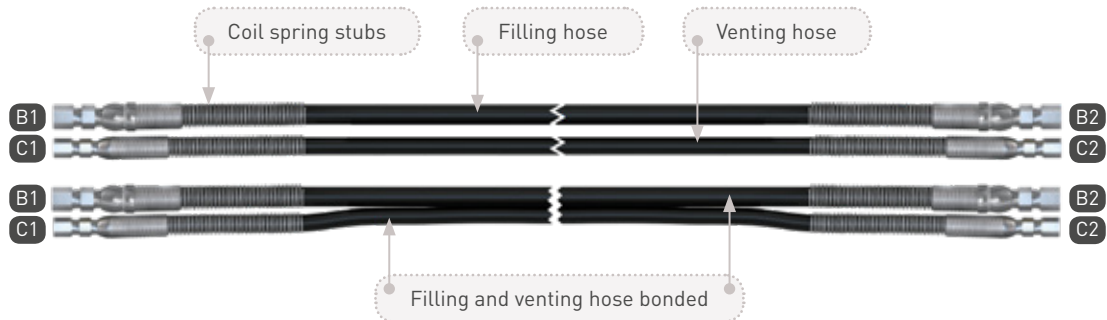


Part No.	Description
C1-51233	Mounting (switch actuated)
C1-51236	Mounting (not switch actuated)

Ordering

Hose sets TK16 CNG - TSA1 CNG (filling and venting hose)

Filling and venting hoses for connecting fuelling nozzle and type TSA1 CNG breakaway coupling, complete with fittings and press-fittings supported by coil spring stubs. Available as single or twin hoses (permanently bonded).



Part No.	Filling hose B1/B2 (internal thread)	Venting hose C1/C2 (internal thread)	Hose length
C1-50487	UNF 9/16"-18*	UNF 7/16"-20*	3 m
C1-42304	UNF 9/16"-18*	UNF 7/16"-20*	4 m
C1-58587	UNF 9/16"-18*	UNF 7/16"-20*	5 m

* acc. to SAE J514, 37°

All designs also available with permanently bonded filling and venting hose. Please contact us!

Hose sets TK16 CNG - TSA2 CNG (filling and venting hose)

Filling and venting hoses for connecting fuelling nozzle / dispenser and type TSA2 CNG inline breakaway coupling, complete with fittings and press-fittings supported by coil spring stubs.

Part No.	Filling hose B1/B2 (internal thread)	Venting hose C1/C2 (internal thread)	Hose length
On request	UNF 9/16"-18*	UNF 7/16"-20*	2.5 0.5 m
On request	UNF 9/16"-18*	UNF 7/16"-20*	3.5 0.5 m
On request	UNF 9/16"-18*	UNF 7/16"-20*	4.5 0.5 m

* acc. to SAE J514, 37°

All designs also available with permanently bonded filling and venting hose. Please contact us!

Conversion Kit

We also offer a conversion kit to fit fuelling hoses with older fittings. The conversion kit consists of one fitting each for the filling and the venting line. The existing TK16 CNG fuelling nozzle fittings must be removed and replaced by the conversion kit fittings.



Part No.	Description	Connection fuelling nozzle	Connection filling hose
W59444	Conversion Kit	UNF 9/16"-18* internal thread	Tube Ø 6
C1-86380	Conversion Kit	UNF 9/16"-18* internal thread	Tube Ø 1/4"

* acc. to SAE J514, 37°

Ordering

Fittings

Stainless steel fittings for connecting the media inlet 'B' to the filling hose or the gas recirculation inlet 'C' to the venting hose.

Part No.	Description	Connection fuelling nozzle	Connection filling hose
C1-79538	Fitting	UNF 9/16"-18* internal thread	UNF 9/16"-18** internal thread
C1-65592	Fitting	UNF 9/16"-18* internal thread	NPT 1/4" internal thread

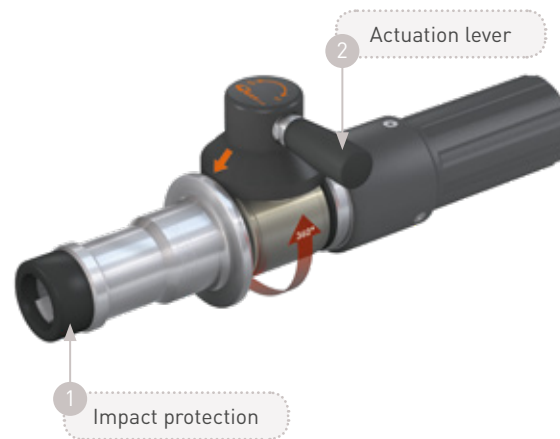
* acc. to SAE J514, 37°

** acc. to SAE J1926

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

Spare parts

Various parts are available as spares for type TK16 CNG:



Part No.	Description
E80-65895	① Impact protection (200 bar / 3,000 psi, black)
E80-106824	① Impact protection (250 bar / 3,600 psi, yellow)
W72504	② Actuation lever
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.

Explanation on the Pressure Equipment Directive

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.

External change management

WEH reserves the right to update, optimise and adjust its products continuously. This may result in corresponding changes of the product. Customers will be informed proactively or unsolicited by WEH only in individual cases about product updates, product optimisations and/or product adaptations that have been carried out. You are free to contact WEH at any time to request information about any product updates, product optimisations and/or product adjustments.

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» Contacting

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