

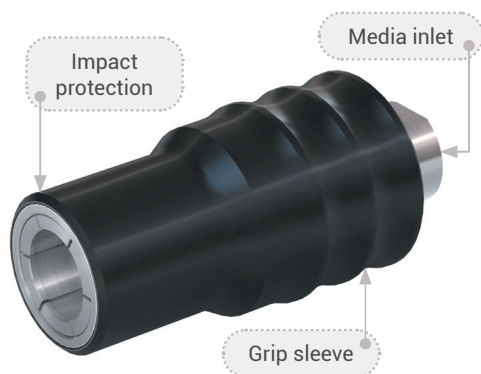
TK22 CNG

**CNG Fuelling Nozzle
for buses and trucks**



General

DESCRIPTION



Features

- Compatible with receptacles acc. to NGV1 standard and ISO 14469 (see page 7, compatibility)
- Push-Pull actuation
- Extremely high flow rate
- Integrated shut-off valve
- 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
- Compact design
- Retrofitting of safety device for grip sleeve at any time

Type TK22 CNG is the WEH® Fueling nozzle for CNG refueling of buses and trucks. The compact design and the unique WEH® Jaw locking mechanism provide a pressure-tight connection within seconds.

The type TK22 CNG can be used wherever the system is pressurized and vented at the fueling station. Easy push-pull connection. The nozzle only has to be placed onto the receptacle and the clamping jaws close. Disconnection is effected by pulling back the grip sleeve.

Application

Fueling nozzle for CNG fast filling of buses and trucks to be used with WEH® Receptacles acc. to NGV1 standard and ISO 14469 (see page 7, compatibility). Operation only by specially trained service personnel. Not for self-service operation! For self-service operation we recommend our TK22 CNG with safety device for grip sleeve.



TK22 CNG with safety device for grip sleeve

TECHNICAL DATA

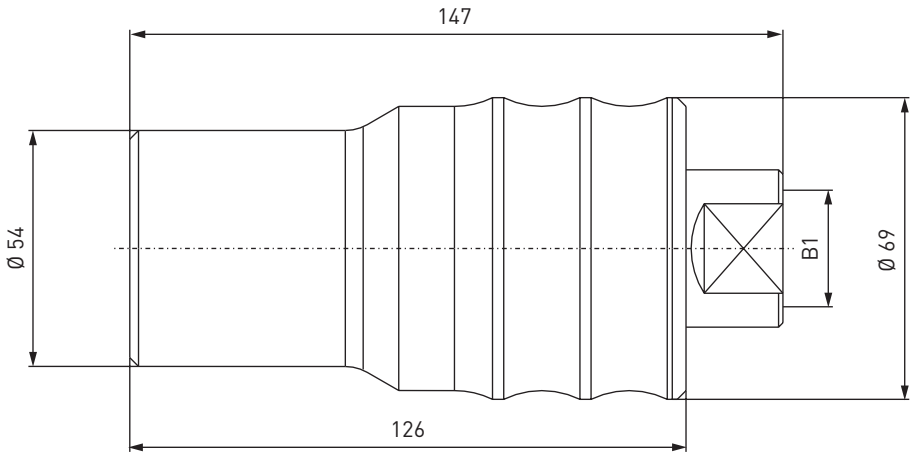
Characteristics	Basic version	
Technical nominal size	12 mm	
Nominal pressure	P30HD acc. to ANSI NGV1 / C200 acc. to ISO 14469 PN = 200 bar (3,000 psi)	P36HD acc. to ANSI NGV1 / C250 acc. to ISO 14469 PN = 250 bar (3,600 psi)
Max. allowable operating pressure	PS = 300 bar (4,300 psi)	PS = 350 bar (5,000 psi)
Temperature range	-40°C up to +85°C (-40 °F up to +185 °F)	
Material	Corrosion resistant	
Sealing material	Natural gas resistant	
Design	With plastic thermal protection	
Weight	Approx. 1.8 kg (3.97 lbs.) (TK22 CNG) resp. approx. 2.2 kg (4.85 lbs.) (TK22 CNG with safety device for grip sleeve)	

Other designs available on request

Ordering

ORDERING | WEH® TK22 CNG Fueling nozzle

approx. dimensions (mm)



Part No.	Description	Pressure PS	B1 (female thread)
C1-18890-X2-X01	TK22 CNG	300 bar / 4,300 psi	UNF 7/8"-14*
C1-102476-X01	TK22 CNG	350 bar / 5,000 psi	UNF 7/8"-14*

* acc. to SAE J1926-1

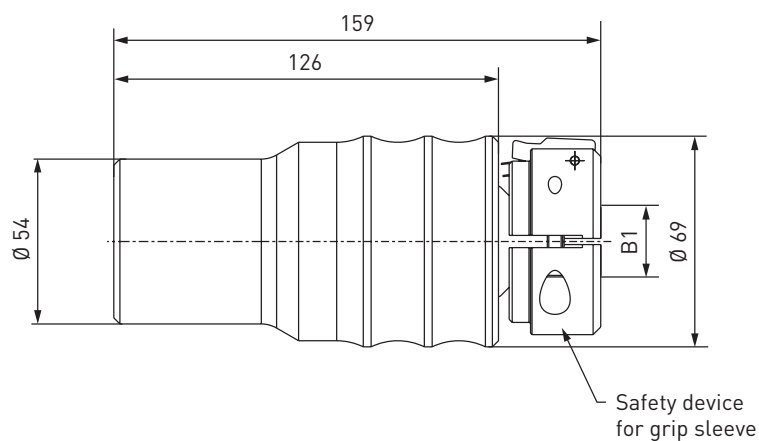
Accessories

ACCESSORIES

The following accessories are available for the WEH® TK22 CNG Fueling nozzle:

Safety device for grip sleeve

TK22 CNG fueling nozzle with safety device for grip sleeve is appropriated for self-service operation.



Part No.	Description
W33337	Safety device for grip sleeve for TK22 CNG

Filling hoses

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



Part No.	B1/B2 (female thread)	Hose length
E68-1033-3000	UNF 7/8"-14*	3 m
E68-1033-4000	UNF 7/8"-14*	4 m
E68-1033-5000	UNF 7/8"-14*	5 m

* acc. to SAE J514, 37° cone

WEH® breakaway coupling

The appropriate TSA5 CNG and TSA6 CNG breakaway coupling can be found on pages 64 and 68.

Spare parts

Fittings

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

Part No.	Description	Connection fueling nozzle	Connection filling hose
W6703-X1	Fitting	UNF 7/8"-14* male thread	UNF 7/8"-14** male thread

* acc. to SAE J1926*2, 37° cone

** acc. to SAE J1926-1

A detailed overview of all available fitting connections is available on request.

SPARE PARTS

Various parts are available as spares for the TK22 CNG fueling nozzle.



Part No.	Description
W127951	1 Spare parts set 200 bar / 3,000 psi (grip sleeve incl. metal sleeve and circlip)
W127950	1 Spare parts set 250 bar / 3,600 psi (grip sleeve incl. yellow impact protection, metal sleeve and circlip)
On request	Maintenance spray

Technical explanations**TECHNICAL EXPLANATIONS****Abbreviations/Definitions**

For explanation of abbreviations, definitions of terms and further explanations, see the applicable Technical Appendix of the corresponding catalog or visit www.weh.com

Illustrations

The illustrations and/or images used in these data sheet are particularly provided for illustrative purposes only and may differ in some details from the actual product. For binding information, please refer to your individual orders.

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). Please note that WEH does not know your system and therefore - also due to the large number of different potential applications of WEH® Products - cannot perform tests on all potential types of application. You alone are responsible for the selection, configuration and suitability of WEH® Products, especially according to the requirements of your system. Before purchasing WEH® Products, please particularly ensure that our products are compatible with your intended use, your performance data, your material and fluids, your system concept and your system limits according to our product specifications. Please also consider 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 data sheets and product descriptions. If you are not sure whether the WEH® Product is suitable for your system and intended use, please contact us in advance. 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.

Service life

WEH® Products are generally products which may be subject to wear and fatigue during operation and depending on your individual application/use. For details - in particular regarding the corresponding minimum inspection and maintenance intervals - please refer to the respective operating instructions for the WEH® Product.

Explanation on the Pressure Equipment Directive

These WEH® Products are generally classified as pressure accessories in accordance with Article 2 (5) of the Pressure Equipment Directive 2014/68/EU and are considered to be similar to piping. These WEH® Products may not be used as safety accessories. Furthermore, it is pointed out, that these WEH® Products are designed and placed on the market in accordance with the requirements of Article 4 (3) of the Pressure Equipment Directive 2014/68/EU. 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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» Contact

More questions? – Great! Don't hesitate to contact our experts.

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