

Type **TK10 CNG**

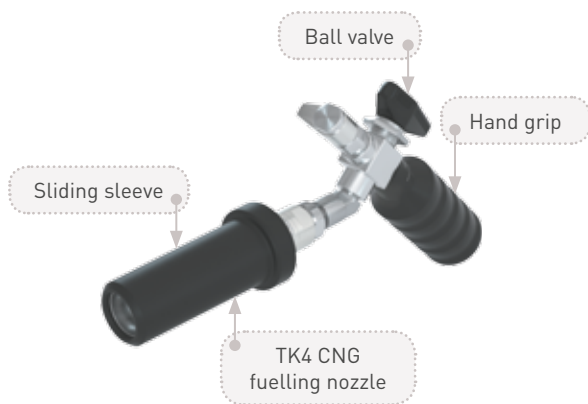
WEH[®] CNG fuelling nozzle

for cars



General

DESCRIPTION



Features

- Compatible with receptacles acc. to NGV1 standard and ISO 14469-1 and 3
- Push-to-connect
- Integrated shut-off valve
- Plastic thermal protection
- Version with or without gas recirculation
- Grip position available at 45° or 90°
- Ergonomic design
- WEH® Jaw locking mechanism
- Colour coded sliding sleeve (200 bar / 3,000 psi black, 250 bar / 3,600 psi yellow)
- High-grade materials

The WEH® TK10 CNG Fuelling nozzle combines user comfort with maximum convenience. The integrated TK4 CNG fuelling nozzle features ‘push-to-connect’ jaw locking system which automatically moves the sliding sleeve back when making a connection. The ergonomic design of the hand grip enables an easy connection to the receptacle. The hand grip is angled to prevent stresses on the high pressure hose and hose damage due to chafing on the ground.

Refuelling starts after opening the ball valve. Closing the ball valve finishes refuelling. TK10 CNG fuelling nozzles with integrated gas recirculation are vented via the gas recirculation, fuelling nozzles without gas recirculation are vented via a sound absorber which is directly installed at the nozzle. The TK10 CNG can then be disconnected by pulling back the sliding sleeve of the TK4 CNG.

The extended construction of the integrated TK4 CNG fuelling nozzle helps in refuelling difficult-to-access receptacles. WEH® Jaws grip symmetrically, avoiding damage to the receptacle profile which could result in leakage. To achieve optimum performance it is recommended that the TK10 CNG is used with the WEH® TN1 CNG Receptacle.

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!

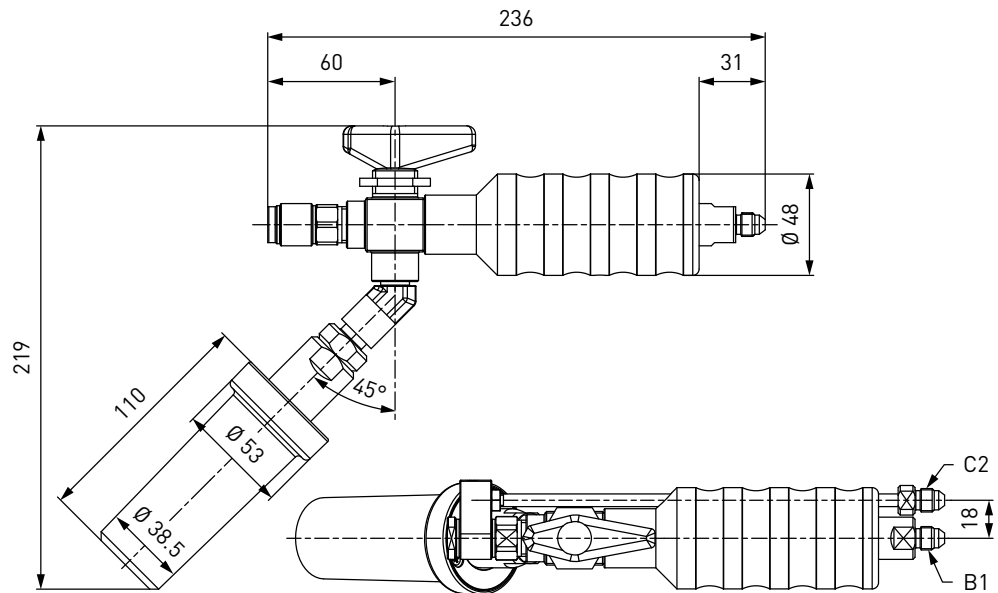
TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	4 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 With or without gas recirculation Grip position 45° or 90°	On request
Weight	Approx. 1.3 kg (2.87 lbs.)	
Registration	PED 2014/68/EU (TK4 CNG) The products comply with ANSI NGV1 (TK4 CNG).	

Ordering

ORDERING | WEH® Fuelling nozzle TK10 CNG with gas recirculation and grip position 45°

approx. dimensions (mm)



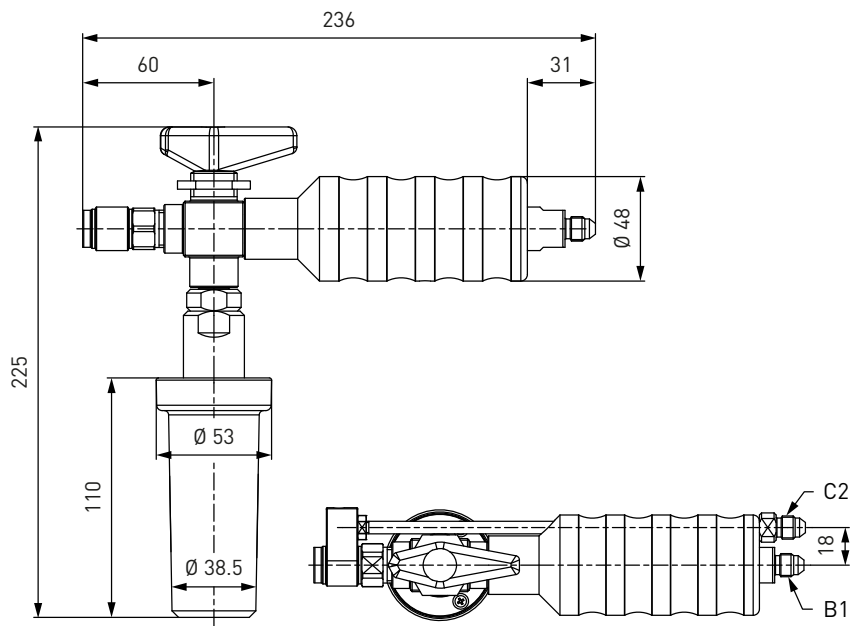
Part No.	Description	Pressure (PN)	Inlet B1 (external thread)	Gas recirculation C2 (external thread)
C1-126013	TK10 CNG	200 bar / 3,000 psi (black)	UNF 7/16"-20*	UNF 7/16"-20*
C1-126011	TK10 CNG	250 bar / 3,600 psi (yellow)	UNF 7/16"-20*	UNF 7/16"-20*

* acc. to SAE J514, 37°

Ordering

ORDERING | WEH® Fuelling nozzle TK10 CNG with gas recirculation and grip position 90°

approx. dimensions (mm)



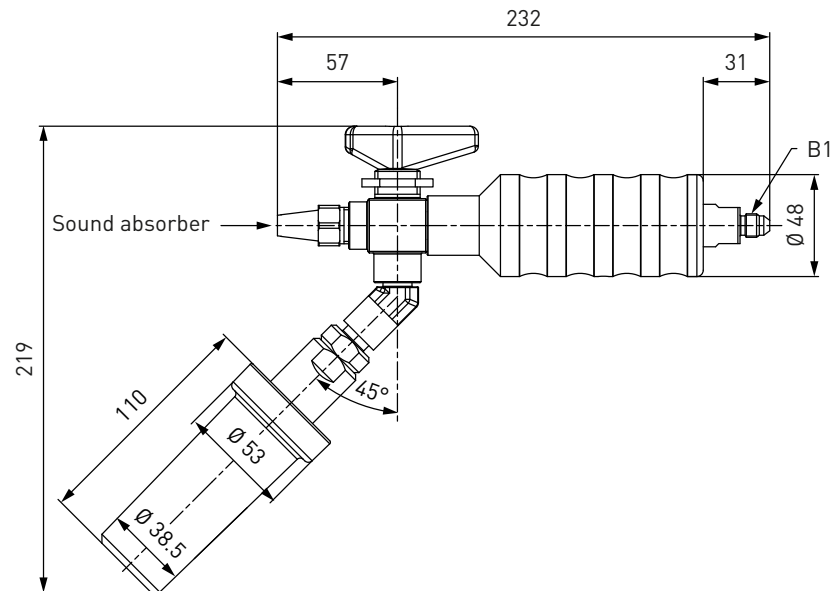
Part No.	Description	Pressure (PN)	Inlet B1 (external thread)	Gas recirculation C2 (external thread)
C1-126014	TK10 CNG	200 bar / 3,000 psi (black)	UNF 7/16"-20*	UNF 7/16"-20*
C1-126012	TK10 CNG	250 bar / 3,600 psi (yellow)	UNF 7/16"-20*	UNF 7/16"-20*

* acc. to SAE J514, 37°

Ordering

ORDERING | WEH® Fuelling nozzle TK10 CNG without gas recirculation and grip position 45°

approx. dimensions (mm)



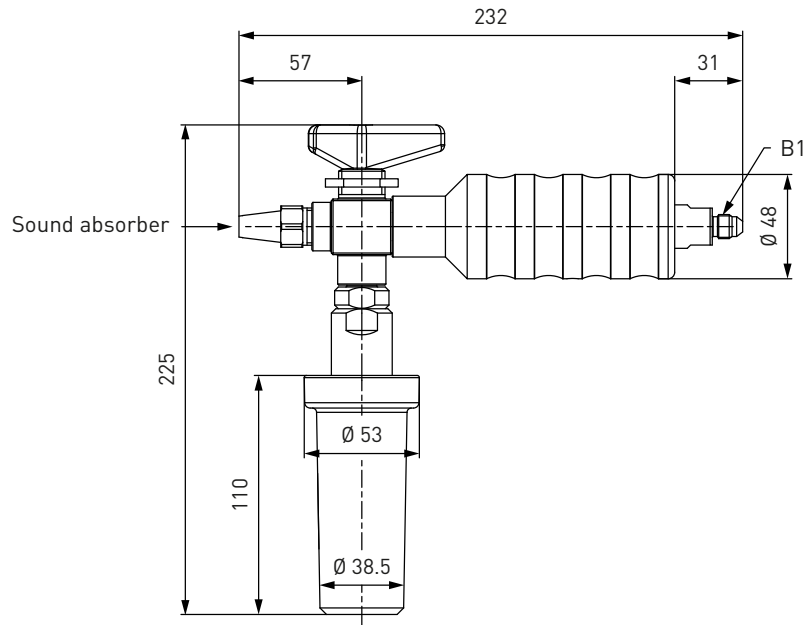
Part No.	Description	Pressure (PN)	Inlet B1 (external thread)
C1-126006	TK10 CNG	200 bar / 3,000 psi (black)	UNF 7/16"-20*
C1-126009	TK10 CNG	250 bar / 3,600 psi (yellow)	UNF 7/16"-20*

* acc. to SAE J514, 37°

Ordering

ORDERING | WEH® Fuelling nozzle TK10 CNG without gas recirculation and grip position 90°

approx. dimensions (mm)



Part No.	Description	Pressure (PN)	Inlet B1 (external thread)
C1-126008	TK10 CNG	200 bar / 3,000 psi (black)	UNF 7/16"-20*
C1-126010	TK10 CNG	250 bar / 3,600 psi (yellow)	UNF 7/16"-20*

* acc. to SAE J514, 37°

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

Please see page 28 in catalogue no. 15 onwards for complete hose assemblies consisting of fuelling nozzle, hose set and breakaway coupling.

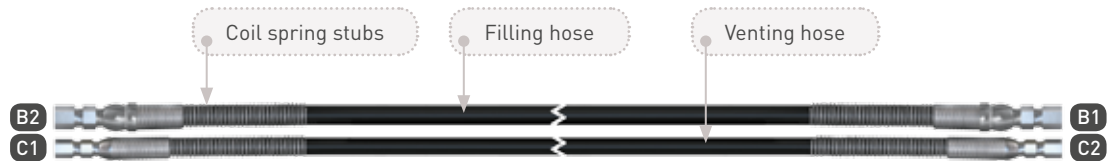
Accessories

ACCESSORIES

The following accessories are available for WEH® TK10 CNG:

Hose sets TK10 CNG - TSA1 CNG (filling and venting hose)

Filling and venting hoses for connecting fuelling nozzle and TSA1 CNG 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
C1-106385	UNF 7/16"-20*	UNF 7/16"-20*	3 m
C1-106386	UNF 7/16"-20*	UNF 7/16"-20*	4 m
C1-106387	UNF 7/16"-20*	UNF 7/16"-20*	5 m

* acc. to SAE J514, 37°

Hose sets TK10 CNG - TSA2 CNG (filling and venting hose)

Filling and venting hoses for connecting fuelling nozzle resp. dispenser and 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
C1-106395	UNF 7/16"-20*	UNF 7/16"-20*	2.5 0.5 m
C1-106396	UNF 7/16"-20*	UNF 7/16"-20*	3.5 0.5 m
C1-106397	UNF 7/16"-20*	UNF 7/16"-20*	4.5 0.5 m

* acc. to SAE J514, 37°

Filling hoses

Filling hoses for connecting fuelling nozzle (without gas recirculation) and dispenser, complete with fittings and press-fittings supported by coil spring stubs.



Part No.	Filling hose B1/B2 (internal thread)	Hose length
E68-1032-3000	UNF 7/16"-20*	3 m
E68-1032-4000	UNF 7/16"-20*	4 m
E68-1032-5000	UNF 7/16"-20*	5 m

* acc. to SAE J514, 37°

Accessories

Fittings

Stainless steel fittings for connecting port 'B1' to the filling hose resp. port 'C2' to the venting hose.

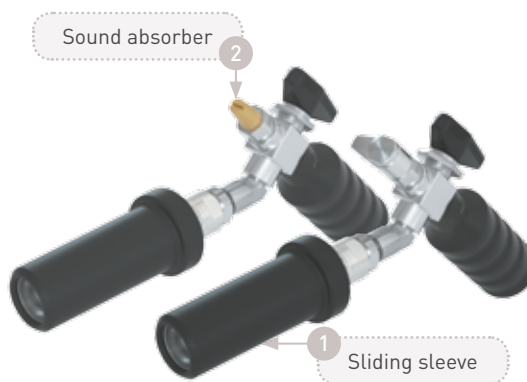
Part No.	Description	Connection fuelling nozzle	Connection filling hose
E80-648P	Fitting	UNF 7/16"-20* internal thread	UNF 9/16"-18* external thread
E80-32692	Fitting	UNF 7/16"-20* internal thread	UNF 7/16"-20* external thread
E80-62138	Fitting	UNF 7/16"-20* internal thread	NPT 1/4" internal thread

* acc. to SAE J514, 37°

Please see page 130 in catalogue no. 15 onwards for a detailed overview on all available fittings.

Spare parts

Various parts are available as spares for the TK10 CNG fuelling nozzle.



Part No.	Description
W132266	① Spare parts set 200 bar / 3,000 psi (black sliding sleeve incl. disk and 3 screws)
W132267	① Spare parts set 250 bar / 3,600 psi (yellow sliding sleeve incl. disk and 3 screws)
E69-9311	② Sound absorber for TK10 CNG without gas recirculation
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

» Contacting

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

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