

Type **TS50 CNG**

Fueling System

for installation in cars



General

DESCRIPTION



Features

- Integrated WEH® TN1 CNG receptacle (NGV1) with filter
- Integrated starter cut-off micro switch (version 1 + 3)
- Gas venting via protection hose (version 1 + 2)
- Different fuel tank caps, acc. to design
- Protection against unauthorized use (version 1 + 3)
- Dirt and splash waterproof construction
- No danger of freezing

WEH offers the fueling system type TS50 CNG for retrofitting of vehicles to run on compressed natural gas. The TS50 CNG fueling system is a CNG conversion kit for quick and easy installation into the vehicle. The two housings can be preinstalled within seconds. The final installation is possible from the inside or outside of the vehicle. The type TS50 CNG is equipped with a receptacle with filter compatible with the NGV1 profile. Version 1 and 3 have a starter cut-off micro switch. The micro switch interrupts the starter operation and prevents the vehicle from driving off during refueling. Version 1 and 2 are additionally equipped with a protection hose for gas venting. In case of a gas leakage the gas is diverted away from the connection. The interior of the fueling system is protected by a fuel tank cap from dirt and splash water thus reducing the danger of freezing.

On request type TS50 CNG is also available without tube for protection hose for gas venting and without starter cut-off micro switch.

Application

Fueling system for installation in cars.

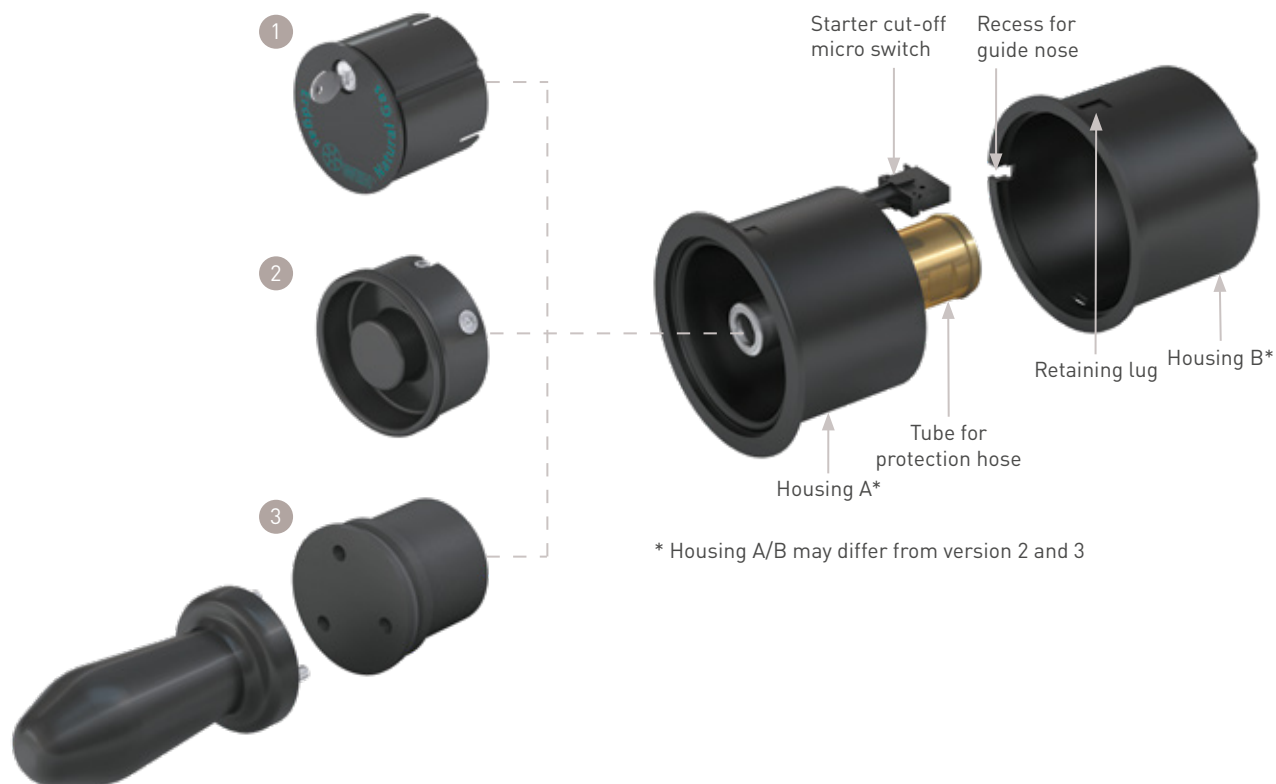
TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	8 mm	On request
Pressure range	PN = 200 bar (3,000 psi) PS = 260 bar PT = 390 bar (ECE)	
Temperature range	-40 °F up to +248 °F	On request
Material	Housing: plastic Receptacle: corrosion resistant	On request
Sealing material	Natural gas compatible	On request
Design	Incl. TN1 CNG receptacle with filter (40 micron), starter cut-off micro switch (protection type IP679), tube for protection hose for gas venting, fuel tank cap and fittings	Without tube for protection hose for gas venting Without starter cut-off micro switch
Registration	E1 110R-000001-01 (TN1 CNG)	

General

OVERVIEW TYPES TS50 CNG

For the TS50 CNG fueling system various designs are available:



1 TS50 CNG with lockable fuel tank cap and key (version 1)



To prevent unauthorized use, the fueling system is equipped with a lockable fuel tank cap.

2 TS50 CNG with cap, without lock and starter cut-off micro switch (version 2)



The type TS50 CNG is also available without lock. The fuel tank cap protects the interior of the fueling system from dirt and splash water and reduces the danger of freezing.

3 TS50 CNG with lockable 3-hole fuel tank cap (version 3)

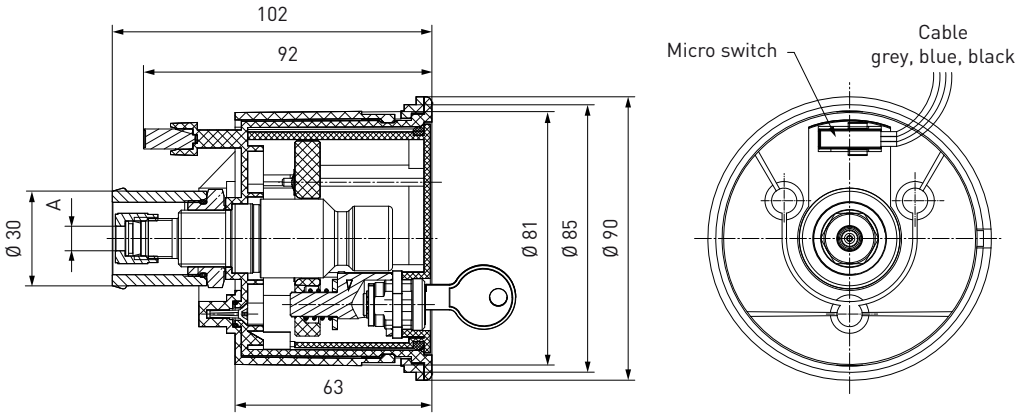


We also offer type TS50 CNG with 3-hole fuel tank cap and special key to prevent unauthorized use for narrowed spaces.

Ordering

ORDERING | Fueling system TS50 CNG with lockable fuel tank cap and 2 keys (version 1)

approx. dimensions (mm)



Cable: grey = N/C | blue = N/O | black = inlet port

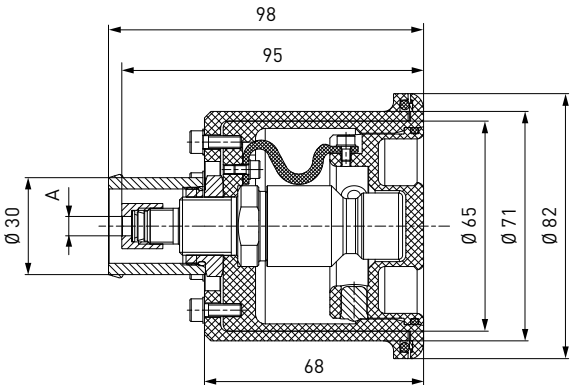


Part No.	Description	Pressure (PN)	Connection A
C1-106406	TS50 CNG	3,000 psi	Tube Ø 6*
C1-106413	TS50 CNG	3,000 psi	Tube Ø 1/4"*
C1-106410	TS50 CNG	3,000 psi	Tube Ø 8*
C1-106414	TS50 CNG	3,000 psi	Tube Ø 3/8"*
C1-106415	TS50 CNG	3,000 psi	Tube Ø 10*

* double ferrule fitting

ORDERING | Fueling system TS50 CNG with fuel tank cap, without starter cut-off micro switch (version 2)

approx. dimensions (mm)



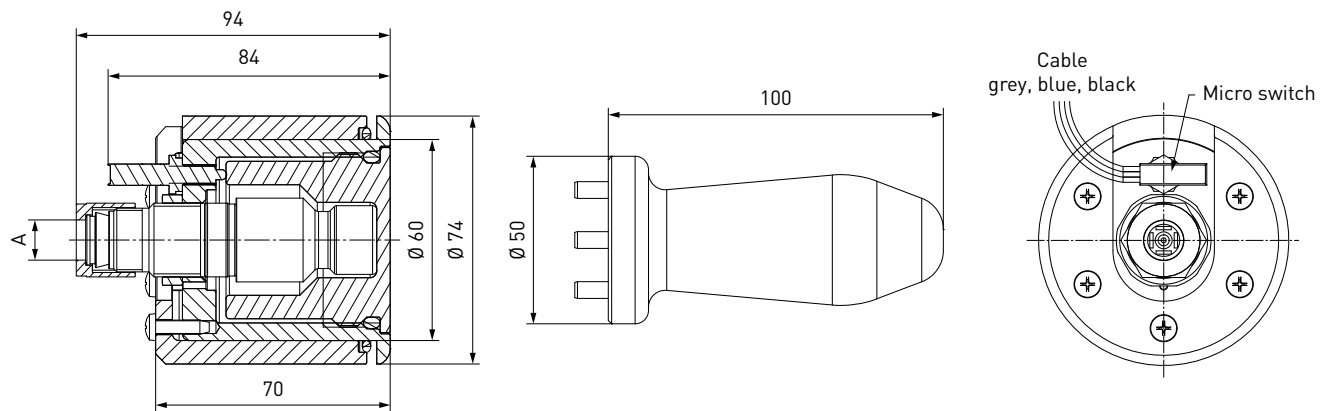
Part No.	Description	Pressure (PN)	Connection A
C1-106416	TS50 CNG	3,000 psi	Tube Ø 6*
C1-106417	TS50 CNG	3,000 psi	Tube Ø 8*
C1-106418	TS50 CNG	3,000 psi	Tube Ø 10*

* double ferrule fitting

Ordering

ORDERING | Fueling system TS50 CNG with lockable 3-hole fuel tank cap (version 3)

approx. dimensions (mm)



Cable: grey = N/C | blue = N/O | black = inlet port



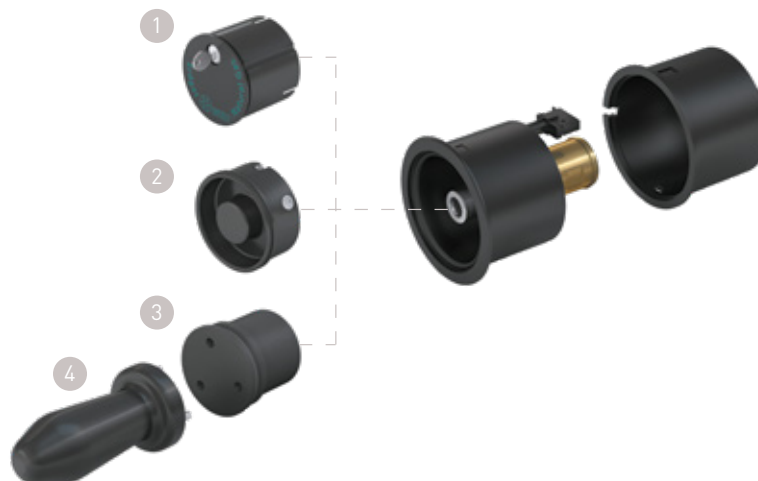
Part No.	Description	Pressure (PN)	Connection A
On request	TS50 CNG**	3,000 psi	Tube Ø 10*
C1-106419	TS50 CNG**	3,000 psi	Tube Ø 12*
C1-106421	TS50 CNG**	3,000 psi	Tube Ø 1/2"*

* double ferrule fitting

** without tube for protection hose for gas venting

SPARE PARTS

Various parts are available as spares for type TS50 CNG:



Part No.	Description
W6931	1 Fuel tank cap with marking incl. 2 keys (version 1)
W35528	2 Pull-out fuel tank cap (version 2)
E29-277S401	3 3-hole fuel tank cap (version 3)
W6036	4 Key for 3-hole fuel tank cap (version 3)

Other products

OTHER PRODUCTS

You will find more products in our current catalog 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 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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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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