

Type **TZ22 CNG**

Emergency Fuelling Set

for refuelling buses and trucks from a service vehicle



General

DESCRIPTION



Features

- For bi-fuelled service vehicles in order to refuel a broken down CNG bus or truck
- TZ22 CNG emergency fuelling set consists of:
 - 1 type TK22 CNG fuelling nozzle (C1-18890) without gas recirculation
 - 1 type TK21 CNG service nozzle (C1-12641) with opening spindle
 - 2-way ball valve
 - 1 hose, length 5 m
 - Fittings
- Suitable only for WEH® TN5 CNG receptacle (without a filter)

The components for conversion of the service vehicle are NOT included in this fuelling set!

A bi-fuelled (CNG and petrol) vehicle is equipped with a bypass with ball valve. Its manual operation circumvents the internal check valve in front of the pressure vessel (natural gas tank). This subsequent conversion can be effected without problems by any vehicle converter. The CNG tank of the service vehicle will be refuelled at the CNG fuelling station. The service vehicle running for this purpose on petrol, drives to the broken down mono-fuelled vehicle. The broken down vehicle can be refuelled locally using the WEH® TZ22 CNG emergency fuelling set.

The TK21 CNG service nozzle is placed onto the receptacle of the service vehicle. The TK22 CNG fuelling nozzle is connected to the broken down vehicle. Both vehicles are connected with a hose to each other. By rotating the opening spindle at the TK21 CNG service nozzle the check valve of the WEH® TN5 CNG receptacle opens. The ball valve at the bypass of the service vehicle is opened slowly. At the TK22 CNG fuelling nozzle the natural gas is lead into the empty tank. After refuelling the ball valve at the bypass of the service vehicle is closed. The opening spindle of the TK21 CNG service nozzle is rotated back and the check valve of the WEH® TN5 CNG receptacle is closed. Then the system is vented by actuating the 2-way ball valve. The TK21 CNG service nozzle and the TK22 CNG fuelling nozzle can be removed. Now the monofuelled CNG vehicle can drive away with a refuelled CNG tank.

Note

A WEH® TN5 CNG receptacle (without filter) has to be installed at the service vehicle for proper function.

Application

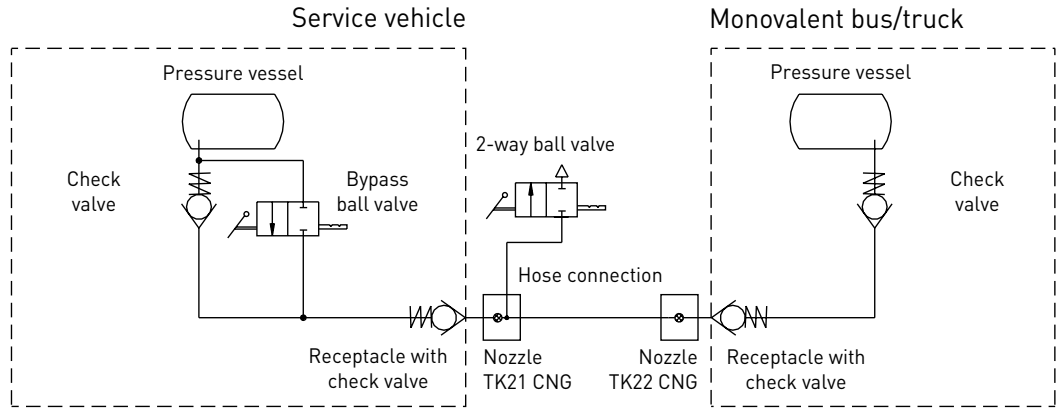
Emergency fuelling set for refuelling buses and trucks from a service vehicle.
Only to be used by specially trained service personnel. Not for self-service operation!

TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	8 mm	
Pressure range	PN = 200 bar (3,000 psi) PS = 300 bar PT = 450 bar	
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	TK22 CNG without gas recirculation, TK21 CNG with opening spindle, 2-way ball valve, hose: length 5 m	On request
Registration	PED97/23/EC: CE0036 (TK21 CNG, TK22 CNG)	

Ordering

ORDERING | Emergency fuelling set TZ22 CNG



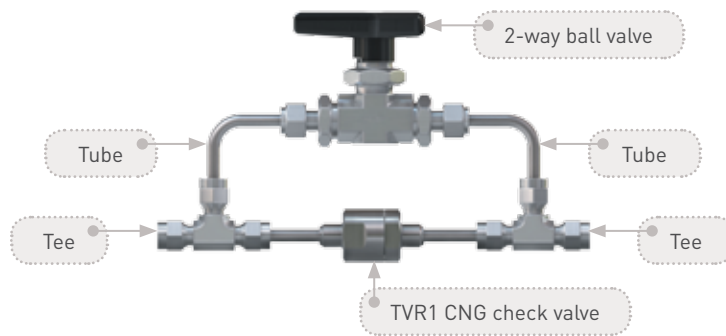
Part No.	Description	Pressure (PN)
C1-68558	TZ22 CNG (hose 5 m)	200 bar / 3,000 psi

ACCESSORIES

The following accessories are available for type TZ22 CNG:

Bypass

Bypass set for installation at the service vehicle, consisting of a 2-way ball valve and a TVR1 CNG check valve.



Part No.	Description
C1-32047	Bypass set for TZ22 CNG with tube connection Ø 6 mm

Spare parts

Various parts are available as spares for type TZ22 CNG:

Part No.	Description
C1-127951	Spare parts set TK22 CNG 200 bar / 3,000 psi (grip sleeve incl. metal sleeve and circlip)
E99-44923	Maintenance spray

Other products

OTHER PRODUCTS

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



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www.weh.com

» Contacting

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

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