

# Manifold TMF20 CNG

for installation in CNG systems and vehicles



# Our passion

for alternative fueling components

## Our mission

Pioneering work is in our DNA – natural gas is our passion. For more than 30 years, we have been developing groundbreaking solutions for refueling with natural gas and setting standards in CNG fueling technology.

## Our goal

From development to service, our goal is to meet the needs of our customers and the market as a whole with high-quality, safe and user-friendly products.

## Innovative CNG products for numerous areas of application

Thanks to many years of experience, we are your reliable partner for all things related to fueling stations and vehicle components, and we satisfy our customers' every need.

Our product solutions cover the entire process/cycle of fueling – starting with receptacles, check valves and filters for vehicles all the way to fueling nozzles, break-aways, filters, check valves and hoses for the fueling station.



## Collaboration between WEH and Greenfuel

Greenfuel was founded in 2006 and has been a reliable partner for alternative refueling systems on the Indian market ever since. For 15 years now, WEH has also enjoyed a successful sales partnership for CNG products with Greenfuel.

**Developed and manufactured by Greenfuel, equipped with tried-and-trusted WEH® Receptacles and filters, complete fueling components for CNG vehicles are now available.**

## Our core competencies



### Global sales network

In 60 countries



### Passion for High-Pressure

High-pressure components for a large number of industries



### Professional engineering

Product designs according to customer requirements



### In-house test center

Extensive testing during development



### Pioneer – we set standards

Future oriented product solutions



### 100 % outgoing goods inspection

Each product is tested



### 50 years of experience

30 years in the natural gas sector



### Quality – made in Germany

ISO 9001:2015 / ISO 14001:2015 / Pressure Equipment Directive 2014/68/EU Annex III, Module H



### Environmental management

Sustainable actions and products



### Service and maintenance

Directly from the manufacturer



### Maximum safety

With well-engineered products and high-quality materials



## Quality at WEH

WEH has always stood for the best quality. By processing only high-quality materials and the label 'Made in Germany', our products meet the highest quality requirements.

Sustainable satisfaction and, above all, the safety of our customers is our top priority. The demand for excellent quality is firmly embedded in our corporate processes - from the product idea to the service. For us, it is a matter of course to subject every product to the highest quality and safety tests.

### Certified quality management

Our high quality standards are achieved by a practiced quality management and confirmed by certification according to international quality standards.

- ▶ ISO 9001:2015
- ▶ ISO 14001:2015
- ▶ Pressure Equipment Directive 2014/68/EU  
Annex III, Module H

### The result of this philosophy?

Product solutions that stand out for high quality and optimum safety and offer many advantages to our customers:

- ▶ Low downtime
- ▶ Cost reduction and increased productivity
- ▶ Reliability
- ▶ Unique ease of operation

### Environmental management at WEH

Environmentally responsible behaviour plays a significant part in our corporate philosophy. This applies to all departments of our company, whether for product development, manufacturing processes, logistics, administration or finances. We are always striving for optimum use of resources in the manufacture of our products.

For 50 years, it has been both a high demand and an obligation for us to develop and manufacture innovative products that actively contribute to environmental protection.



Usability



Quality



Safety



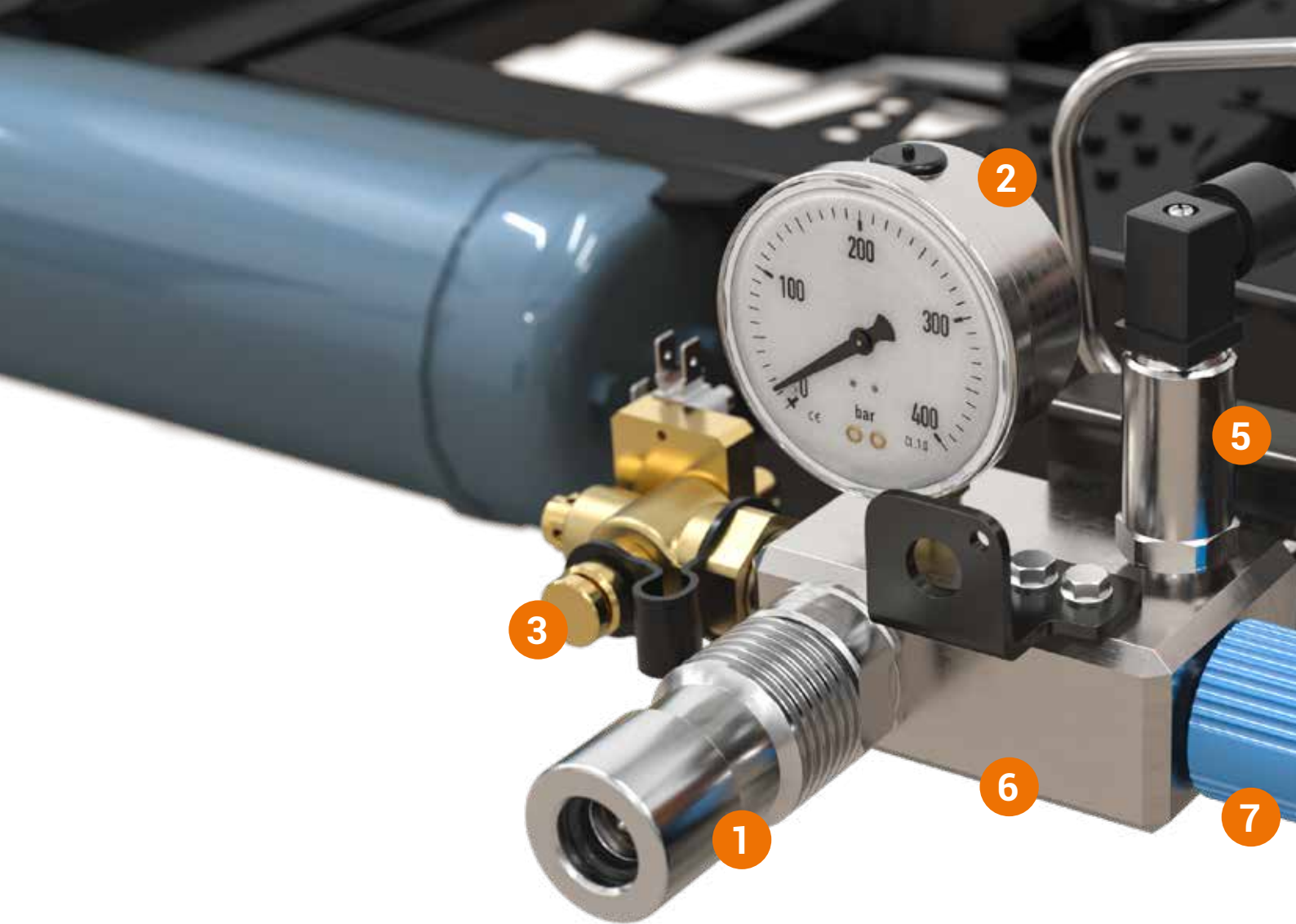
Efficiency



Easy of  
maintenance



ECO  
friendliness



# Overview Manifold TMF20 CNG

First choice for OEMs – everything from one source

Manifolds TMF20 CNG are complete filling units for installation in CNG systems and vehicles. They are equipped with various high-pressure components and, depending on the variant, comprise a manifold block, receptacle including dust protection cap, high-pressure gauge, filter, automatic shut-off valve and fittings.

## Features & benefits

- ▶ Manual and automatic system versions
- ▶ Customer-specific special solutions possible
- ▶ Cost-effective
- ▶ Low weight
- ▶ Easy installation
- ▶ Design prevents seal wear

## TECHNICAL DATA

<b>Characteristic</b>	Basic version
<b>Working pressure WP</b>	20 MPa
<b>Temperature range</b>	-40 °C up to +85 °C (-40 °F up to +185 °F)
<b>Conformity / Tests / Approvals</b>	TMF20 CNG is tested* acc. to: ISO-15500-2:2016 ISO-15500-3:2012+A1:2016 ISO-15500-4:2012+A1:2016 ISO-15500-6:2012+A1:2016 ISO-15500-13:2012+A1:2016 JIS D 1601:1995 ECE R110-R00  WEH® TN5 CNG Receptacle / WEH® TSF2 CNG Filter are approved acc. to: ECE R110-R04 / -R01

\* depending on the specific variant of the TMF20 CNG.  
For details, please contact us.



- 1 WEH® Receptacle
- 2 High-pressure gauge
- 3 NZS connection
- 4 WEH® Coalescing filter
- 5 Pressure sensor
- 6 Manifold block
- 7 Manual shut-off valve

## Individual customer variants

Of course, individual requests are possible after carrying out a feasibility test. Examples include CNG manifolds with:

- ▶ WEH® TN1 CNG Receptacle acc. to NGV1 standard
- ▶ WEH® TN1 CNG and TN5 CNG Receptacle

Please contact us!

# Manifold TMF20 CNG

in aluminum



## TMF20-S1 CNG

C1-174625 | Consisting of:

- ▶ Manifold block (aluminum)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ Automatic shut-off valve (12V)
- ▶ High-pressure gauge
- ▶ Starter cut-off micro switch
- ▶ NZS connection
- ▶ Manual shut-off valve
- ▶ Fittings



## TMF20-S2 CNG

C1-174626 | Consisting of:

- ▶ Manifold block (aluminum)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ Automatic shut-off valve (12V)
- ▶ High-pressure gauge
- ▶ Starter cut-off micro switch
- ▶ Manual shut-off valve
- ▶ Fittings



## TMF20-S3 CNG

C1-174627 | Consisting of:

- ▶ Manifold block (aluminum)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ Automatic shut-off valve (24V)
- ▶ High-pressure gauge
- ▶ Starter cut-off micro switch
- ▶ NZS connection
- ▶ Manual shut-off valve
- ▶ Fittings

# Manifold TMF20 CNG

in aluminum or stainless steel



## TMF20-S4 CNG

C1-174628 | Consisting of:

- ▶ Manifold block (aluminum)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ Automatic shut-off valve (24V)
- ▶ High-pressure gauge
- ▶ Starter cut-off micro switch
- ▶ Manual shut-off valve
- ▶ Fittings



## TMF20-S5 CNG

Consisting of:

- ▶ Manifold block (stainless steel)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ WEH® TSF2 CNG coalescing filter incl. plug and filter cartridge Ø 19.3 mm (C1-174629) resp. Ø 25.4 mm (C1-174630)
- ▶ High-pressure gauge
- ▶ NZS connection
- ▶ Manual shut-off valve
- ▶ Fittings
- ▶ Pressure sensor for filling rig display (optional)



## TMF20-S6 CNG

C1-177643 | Consisting of:

- ▶ Manifold block (stainless steel)
- ▶ WEH® TN5 CNG Receptacle with protection cap
- ▶ WEH® TSF2 CNG coalescing filter incl. plug and filter cartridge Ø 19.3 mm
- ▶ High-pressure gauge
- ▶ Manual shut-off valve
- ▶ Fittings
- ▶ Pressure sensor for filling rig display (optional)

## Contact

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

### *Distribution:*

#### **WEH GmbH Gas Technology**

Josef-Henle-Str. 1  
89257 Illertissen / Germany

**Phone:** +49 7303 95190-0

**E-Mail:** [ngvsales@weh.com](mailto:ngvsales@weh.com)

**Website:** [www.weh.com](http://www.weh.com)

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