

Type **TVR1 CNG**

Check valve

for cars and fuelling stations



General

DESCRIPTION



Features

- Robust construction
- Low-noise opening and closing
- Corrosion resistant stainless steel
- High leak tightness

With the type TVR1 CNG WEH offers a high performance check valve for use with natural gas. The check valve system is designed to minimize the effect of dirt particles on the sealing components within the unit. The WEH[®] TVR1 CNG check valve is constructed of corrosion-resistant stainless steel achieving a very durable unit due to its robust internal structure.

Application

Check valve for cars (ECE approval), also suitable for installation in fuelling stations.
Only use check valves with ECE approval for fitment in vehicles!

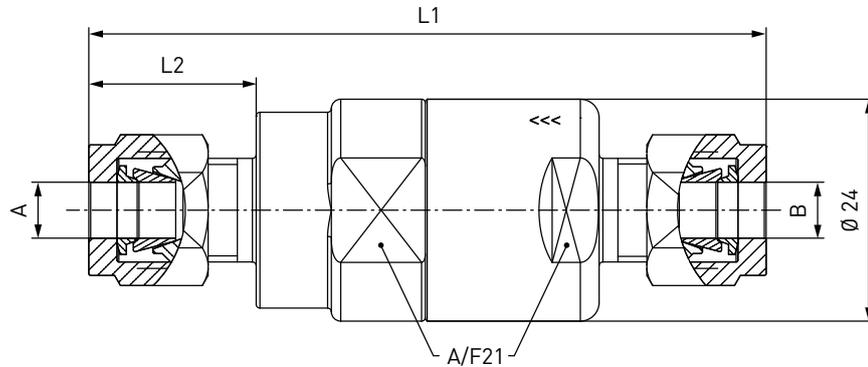
TECHNICAL DATA

Characteristic	Basic version	Options
Nominal bore DN	Depending on design	On request
Pressure range	PN = 200 bar (3,000 psi) PS = 260 bar PT = 390 bar (ECE) PN = 250 bar (3,600 psi) PS = 315 bar PT = 475 bar	
Temperature range	-40 °C up to +120 °C (-40 °F up to +248 °F)	On request
Material	Corrosion resistant stainless steel	On request
Sealing material	Natural gas compatible	On request
Design	Incl. fittings (only for check valves with tube fitting)	On request
Registration	E1 110R-000002-03 (ECE)	

Ordering

ORDERING | Check valve TVR1 CNG with tube fitting on both sides

approx. dimensions (mm)

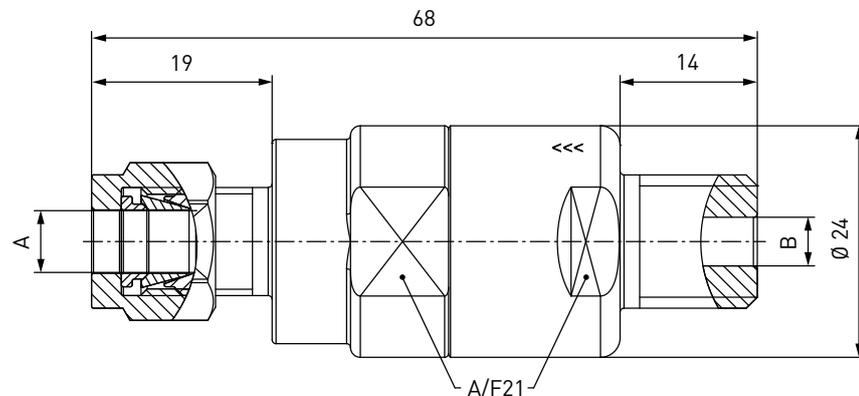


Part No.	Description	DN	Pressure (PN)	Inlet B	Outlet A	L1	L2
C1-105917	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	Tube Ø 6*	Tube Ø 6*	72	18
C1-106982-X01	TVR1 CNG	5	250 bar / 3,600 psi	Tube Ø 6*	Tube Ø 6*	72	18
C1-106455	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	Tube Ø 1/4"*	Tube Ø 1/4"*	73	18
C1-102597-X01	TVR1 CNG	5	250 bar / 3,600 psi	Tube Ø 1/4"*	Tube Ø 1/4"*	73	18
C1-106451	TVR1 CNG (ECE)	6	200 bar / 3,000 psi	Tube Ø 8*	Tube Ø 8*	75	20
C1-106983-X01	TVR1 CNG	6	250 bar / 3,600 psi	Tube Ø 8*	Tube Ø 8*	75	20
C1-107710	TVR1 CNG (ECE)	8	200 bar / 3,000 psi	Tube Ø 3/8"*	Tube Ø 3/8"*	76	20
C1-102598-X01	TVR1 CNG	8	250 bar / 3,600 psi	Tube Ø 3/8"*	Tube Ø 3/8"*	76	20
C1-106452	TVR1 CNG (ECE)	8	200 bar / 3,000 psi	Tube Ø 10*	Tube Ø 10*	77	20
C1-106984	TVR1 CNG	8	250 bar / 3,600 psi	Tube Ø 10*	Tube Ø 10*	77	20
C1-106453	TVR1 CNG (ECE)	8	200 bar / 3,000 psi	Tube Ø 12*	Tube Ø 12*	81	22
C1-106985-X01	TVR1 CNG	8	250 bar / 3,600 psi	Tube Ø 12*	Tube Ø 12*	81	22

* double ferrule fitting

ORDERING | Check valve TVR1 CNG with external thread and tube fitting

approx. dimensions (mm)



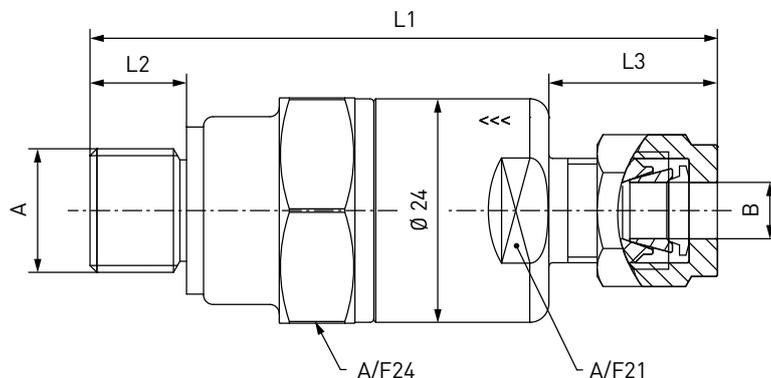
Part No.	Description	DN	Pressure (PN)	Inlet B (external thread)	Outlet A
C1-106934	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	NPT 1/4"	Tube Ø 1/4"*
C1-107134-X01	TVR1 CNG	5	250 bar / 3,600 psi	NPT 1/4"	Tube Ø 1/4"*

* double ferrule fitting

Ordering

ORDERING | Check valve TVR1 CNG with tube fitting and external thread

approx. dimensions (mm)



Part No.	Description	DN	Pressure (PN)	Inlet B	Outlet A (external thread)	L1	L2	L3
C1-73740	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	Tube $\varnothing 6^*$	G1/4"	66	10	18
C1-106986	TVR1 CNG	5	250 bar / 3,600 psi	Tube $\varnothing 6^*$	G1/4"	66	10	18
C1-106979	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	Tube $\varnothing 6^*$	UNF 9/16"-18** SAE O-Ring	66	12	18
C1-106987-X01	TVR1 CNG	5	250 bar / 3,600 psi	Tube $\varnothing 6^*$	UNF 9/16"-18** SAE O-Ring	66	12	18
C1-106988	TVR1 CNG (ECE)	5	200 bar / 3,000 psi	Tube $\varnothing 8^*$	G1/4"	68	10	20
C1-106989	TVR1 CNG	5	250 bar / 3,600 psi	Tube $\varnothing 8^*$	G1/4"	68	10	20

* double ferrule fitting
 ** acc. to SAE J1926

Other connection sizes on request.

Other products

OTHER PRODUCTS

You will find more products in our current catalogue 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 Product 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.

Explanation on the Pressure Equipment Directive

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.

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.

© All rights reserved, WEH GmbH. Any unauthorized use is strictly forbidden. Subject to alteration.
No liability will be assumed for any content. Herewith previous versions are no longer valid.

» Contacting

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

Manufacturer:

WEH GmbH Gas Technology

Josef-Henle-Str. 1
89257 Illertissen / Germany

Phone: +49 7303 95190-0
Fax: +49 7303 95190-9999

Email: h2sales@weh.com
www.weh.com