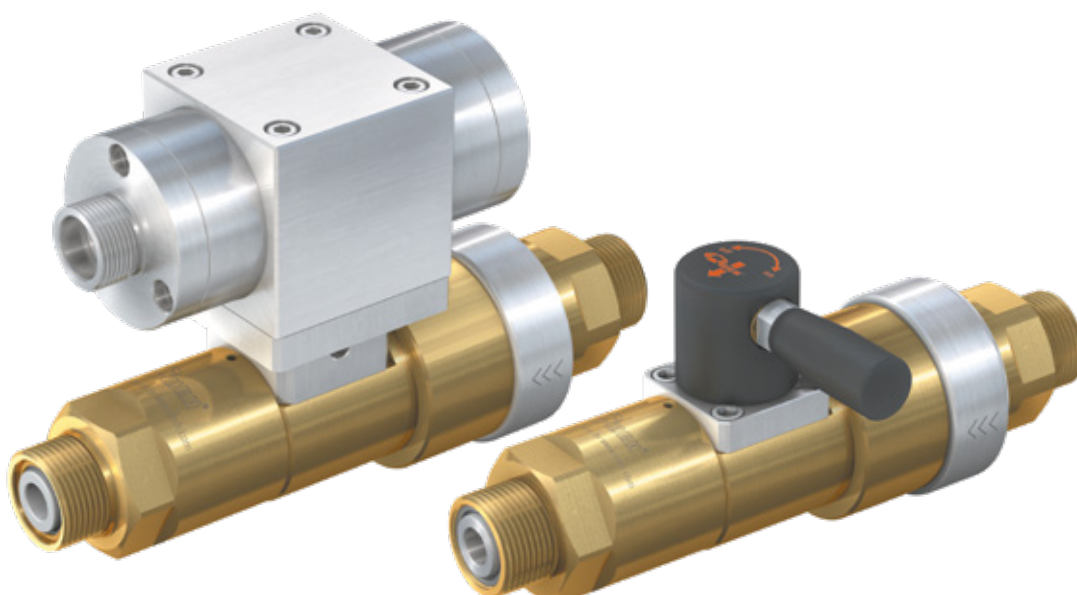


Type **TV17GER**

WEH[®] Shut-off valve with automatic venting and check valve

for inert gases up to 6,000 psi (420 bar)



General

DESCRIPTION



TV17GER with pneumatic actuation



TV17GER with manual actuation

The Block & Bleed WEH® TV17GER High pressure valve is also designed as a shut-off valve for pressurized gases. The valve automatically vents the space between the shut-off valve and the check valve. Therefore no gases can enter the inlet port. The compact design makes the TV17GER ideal for installation into gas mixing plants. A check valve has to be mounted in the venting line to prevent ambient air from entering the valve outlet when venting. The valve is available with pneumatic actuator or manual lever.

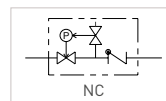
TECHNICAL DATA

Characteristics	Basic version
Functions	
Automatic venting	Yes
Check valve	Yes
Vacuum operation	Yes
Flow direction	One-way (B1 → B2)
Actuation	Pneumatically for automatic control (e.g. via SPS) or manual with actuation lever
Specifications of valve	
Nominal bore DN	12 mm
Operating pressure PS	Max. 6,000 psi (420 bar)
Leak rate	5×10^{-3} mbar x l/s
Temperature range	-22 °F up to +140 °F
Specifications of pneumatic actuator	
Pilot pressure port P1	G1/4" internal thread
Venting port C1	G1/8" internal thread
Pilot pressure	116 - 145 psi (8 - 10 bar)
Measuring port M	M28x1.5 external thread
Material	
Parts (within media flow)	Brass and stainless steel 1.4305
Inlet valve seal	PEEK
O-rings / back-up rings	EPDM / PTFE / FKM
Springs	Steel 1.4310

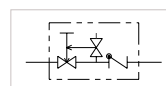
Other designs on request

Symbols

pneumatic:



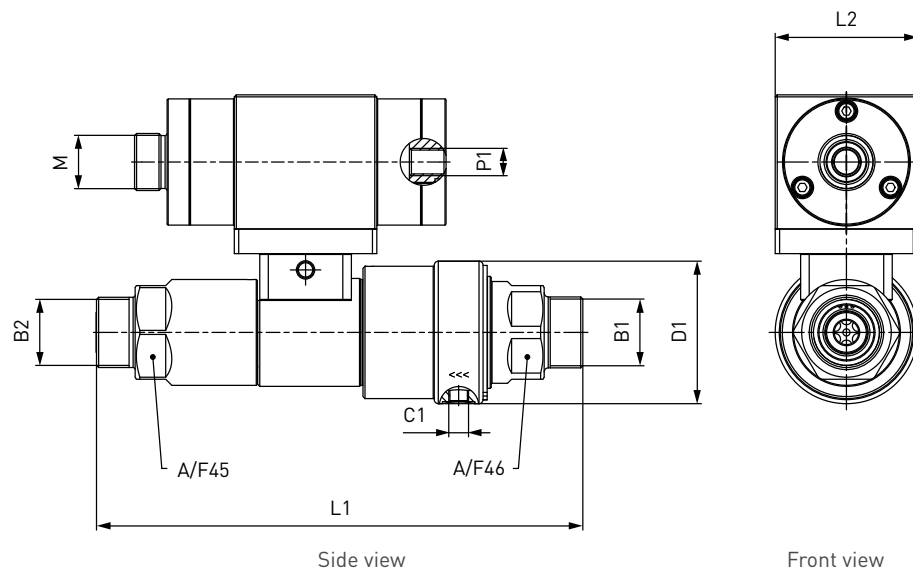
manual:



Ordering

ORDERING | WEH® TV17GER Shut-off valve with pneumatic actuation

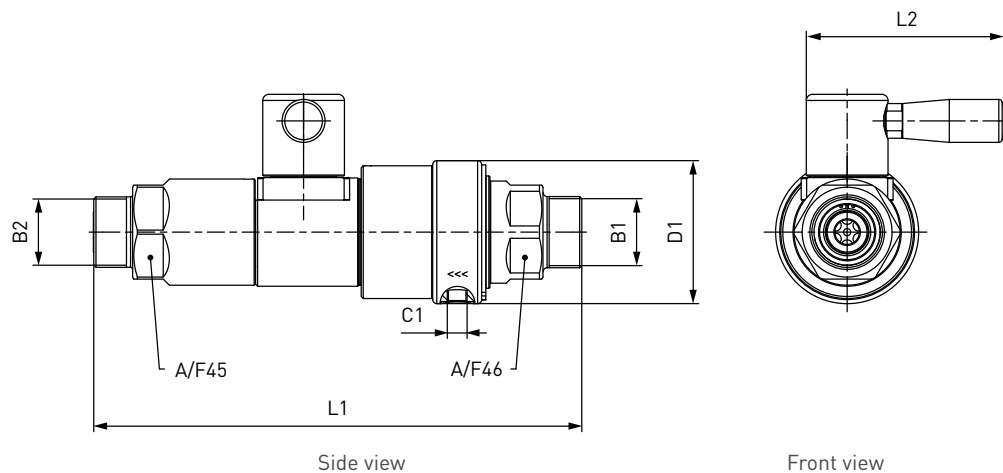
approx. dimensions (mm)



Part No.	DN	Normal position	B1 / B2 (external thread)	L1	L2	D1
C1-117586-X01	12	NC	UNF 1 3/8"-12	239	70	70

ORDERING | WEH® TV17GER Shut-off valve with manual actuation

approx. dimensions (mm)



Part No.	DN	B1 / B2 (external thread)	L1	L2	D1
C1-117590-X01	12	UNF 1 3/8"-12	239	97	70

Other products

OTHER PRODUCTS

You will find more products in our current catalog no. 55

Further information on our homepage
www.weh.com



Illustrations

The illustrations and/or images used in this data sheet are particularly provided for illustrative purposes only and may differ in some details from the actual product. For binding information, please refer to your individual orders.

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.

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.

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» Contacting

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