

Type **TW102**

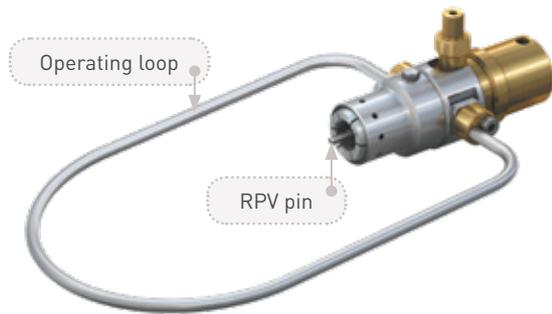
WEH[®] Connector for filling and evacuating of gas cylinders

with external thread and pressure regulator



General

DESCRIPTION



Features

- For gas cylinders with external thread and pressure regulator
- Connection in seconds
- No hand tightening required
- Easy to connect
- WEH® Jaw locking mechanism
- Compact design
- High-grade materials

The type TW102 quick connector for gas cylinder valves with external thread and pressure regulator provides a pressure-tight connection in seconds. The split collet design system locks securely onto the cylinder valve thread and seals tightly. The residual pressure valve on the gas cylinder valve opens pneumatically. On request the opening can also be effected manually via hand lever.

Safety features

A fully developed design with simple actuation controlling the functioning of the gas connector. The quick connector cannot be disconnected under pressure because a special safety peg protrudes and locks the connector against removal.

Type TW102 for oxygen has venting bores (see opposite picture) in the front sleeve for lateral venting of gas in case of accidental gas leakage, thus preventing pressure built-up in the connector.



Venting bores

This quick connector is available for gas cylinder valves acc. to DIN, BS, NF, CGA etc. Connectors for oxygen applications are oxygen cleaned and free of oil and grease.

Application

Quick connector for filling and evacuating of gas cylinders with external thread and pressure regulator.

TECHNICAL DATA

Characteristic	Basic version
Pressure range	PN = 200 bar PS = 250 bar PT = 375 bar
Pilot pressure	Max. 6 - 8 bar (for opening residual pressure valve)
Temperature range	+5 °C up to +60 °C [O ₂]
Connection A	External thread connection acc. to the corresponding national standard e.g. DIN, CGA, BS, NF etc.
Medium	Medical oxygen
Actuation	Manual actuation via operating loop (loop depending on type of gas cylinder) Opening / closing of the RPV pin in the valve: via pneumatic pilot pressure line
Material	Corrosion resistant stainless steel, brass
Sealing material	EPDM
Design	Incl. adaptor and RPV pin
Registration	Adiabatic ignition test available

Other designs on request

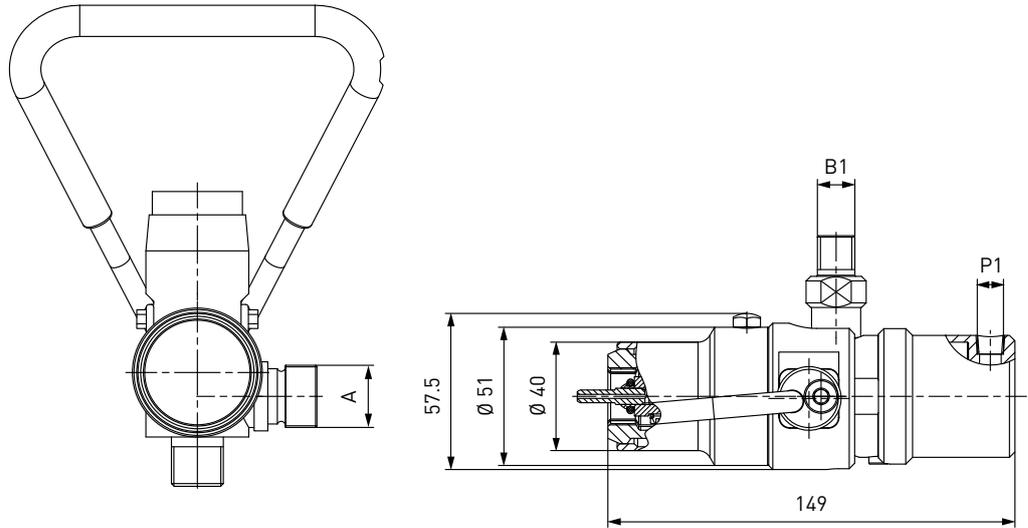
Example of use:



Ordering

ORDERING | Quick connector TW102

approx. dimensions (mm)



Part No.	Description	Connection A	Inlet B1	Pilot pressure port P1 (internal thread)
On request	TW102	On request	On request	NPT 1/8"

Other connector sizes and versions on request.

Required information for ordering see page 7, catalogue no. 20.

Accessories

ACCESSORIES

The following accessories are available for type TW102:

Swivel joint TD1

The TD1 swivel joint prevents twisting of the hose and enables the axial aligning of the connector.



Part No.	Description	Inlet B1 (external thread)	Connection B2 (internal thread)
On request	TD1	On request	On request

Actuations

For type TW102 various actuations, e.g. loops, wire ropes, manual lever handles etc. are available in different sizes and forms. Please contact us!

Adaptors

Adaptors for connecting the quick connector to the filling hose are available on request.

Monel® construction

All pressurized parts are also available in Monel®. Please contact us!

Spare parts

Various parts are available as spares for type TW102:

Part No.	Description
On request	Spare seals

Other products

OTHER PRODUCTS

You will find more products in our current catalogue no. 20



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.

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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» Contact

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

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