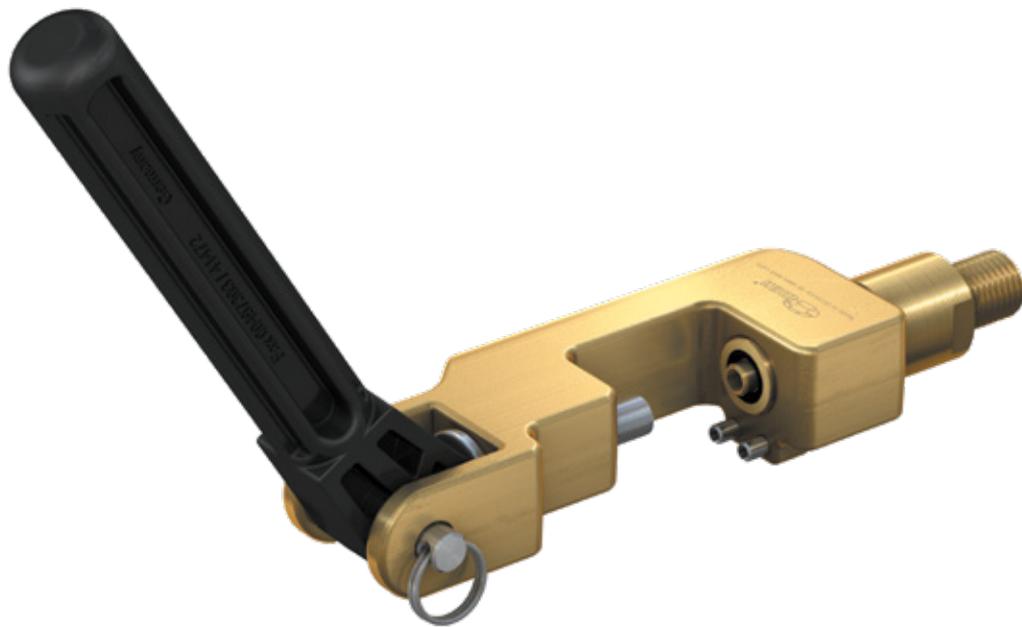


Type **TW42**

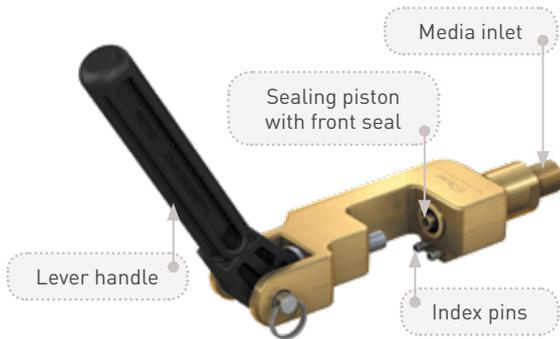
WEH[®] Connector for filling of gas cylinders

with Pin-Index system (with or without a residual pressure valve)



General

DESCRIPTION



Features

- For Pin-Index connections acc. to CGA 870 (others on request)
- Version for **residual pressure valves or non-residual pressure valves** available
- Super light ➔ only 700 grams
- Open bow body for connection in seconds
- Pressure-assisted piston prevents accidental disconnection under pressure
- High-grade materials

The type TW42 quick connector is especially designed for filling gas cylinders with Pin-Index system (with or without a residual pressure valve). The connector is very light in weight and therefore easy to operate. Being open at one side the quick connector is easy to connect, especially to cylinder valves with large hand wheel and lateral gauge.

Simply place the connector body of the TW42 quick connector over the cylinder valve, align it with the index pins and move upwards. The pressure-tight connection is made. The pressure-assisted piston prevents accidental disconnection under pressure and provides additional safety.

For gas cylinders with residual pressure valve the TW42 quick connector is additionally equipped with a RPV pin (see opposite picture) for opening the residual pressure valve.

This quick connector is available for gas cylinder valves acc. to CGA 870, others on request. Connectors for oxygen applications are oxygen cleaned and free of oil and grease.



Application

Quick connector for filling of gas cylinders with Pin-Index system (with or without a residual pressure valve).

TECHNICAL DATA

Characteristic	Basic version
Pressure range	PN = 200 bar PS = 250 bar PT = 375 bar
Temperature range	+5 °C up to +60 °C (O ₂)
Connection A	Pin-Index connection acc. to CGA 870 (others on request)
Medium	Medical oxygen (others on request)
Actuation	Manual actuation via lever handle
Material	Corrosion resistant stainless steel, brass
Sealing material	EPDM (others on request)
Design	With or without RPV pin
Registration	Adiabatic ignition test available

Other designs on request

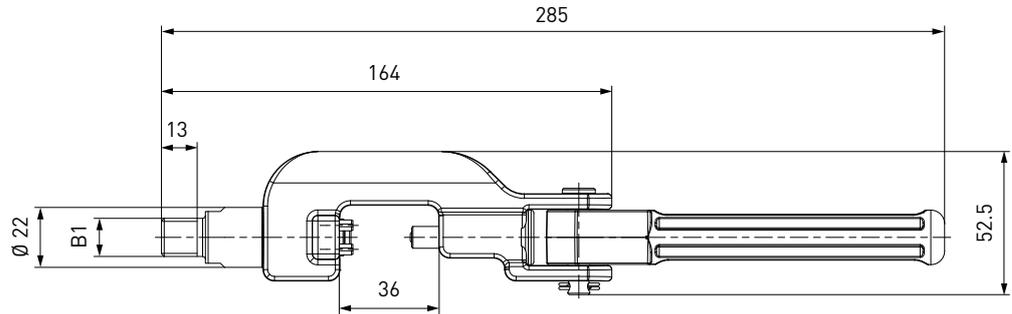
Example of use:



Ordering / Accessories

ORDERING | Quick connector TW42

approx. dimensions (mm)



Part No.	Description	Connection A	Inlet B1 (external thread)
C1-117833-X01	TW42	CGA 870	NPT 1/4"
C1-117834-X01*	TW42	CGA 870	NPT 1/4"

* with RPV pin

Other connector sizes and versions on request.

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

ACCESSORIES

The following accessories are available for type TW42:

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	NPT 1/4"	NPT 1/4"

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 TW42:

Part No.	Description
E50-55668	O-ring

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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No liability will be assumed for any content. Herewith previous versions are no longer valid.

» Contact

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

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