

# Type **TW152**

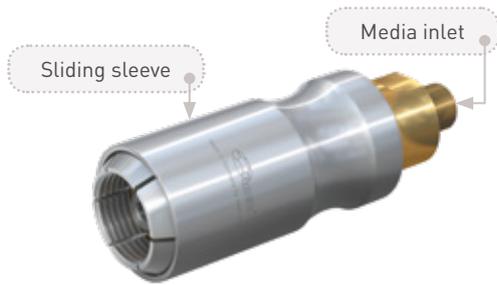
## **WEH**<sup>®</sup> Connector for filling of oxygen cylinders

with external thread (with or without a residual pressure valve) and pressure regulator



General

**DESCRIPTION**



**Features**

- For oxygen cylinders with external thread (with or without a residual pressure valve) and pressure regulator
- Connection in seconds
- No hand tightening required
- Automatic locking of the sliding sleeve under pressure prevents disconnection at pressures exceeding 5 bar
- Inline or 90° version available
- WEH® Jaw locking mechanism
- High-grade materials

The type TW152 quick connector is designed to achieve easier and more efficient filling of oxygen cylinders because it can be connected directly to the standard thread of the cylinder valve.

The function is quite simple: pull back the sliding sleeve and place the filling connector onto the external thread of the cylinder valve. The split collet design system locks securely onto the cylinder valve thread and seals tightly.

The connector has an internal locking mechanism preventing disconnection under pressure. Type TW152 can be connected to cylinder valves with or without residual pressure valves and valves with integrated pressure regulators. Due to its compact design, it is also suitable for use in confined spaces.

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.



TW152 with RPV pin

**Application**

Quick connector for filling of oxygen cylinders with external thread (with or without a residual pressure valve) and pressure regulator.

**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 <sub>2</sub> ]
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 sliding sleeve
Material	Corrosion resistant stainless steel, brass
Sealing material	EPDM
Design	With or without RPV pin
Registration	Adiabatic ignition test available

Other designs on request

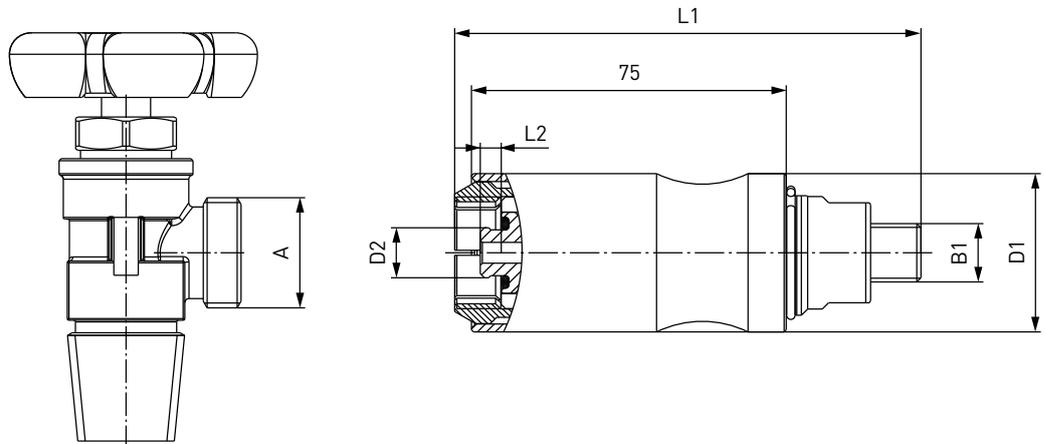
**Example of use:**



Ordering

**ORDERING** | Quick connector TW152 with inline media inlet

approx. dimensions (mm)



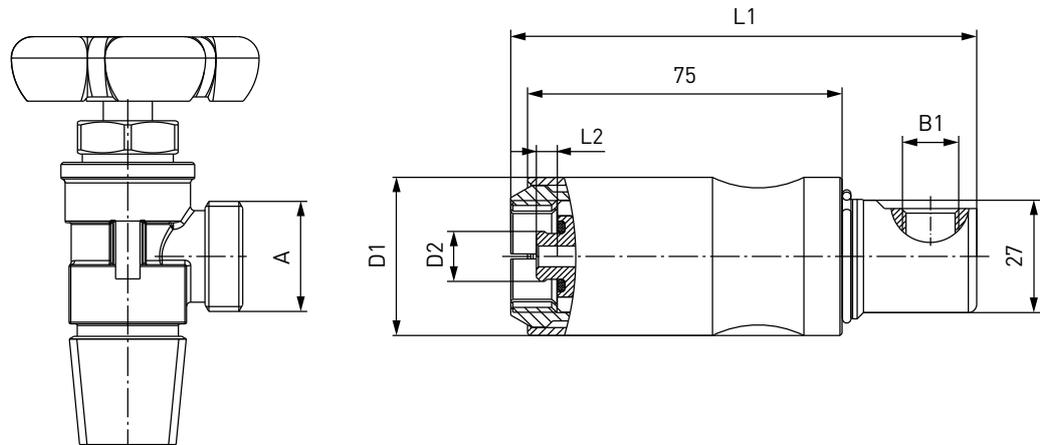
Part No.	Description	Connection A (external thread)	Inlet B1 (external thread)	D1	D2	L1	L2
<b>C1-59488</b>	TW152	G3/4" <i>DIN 477 part 1</i>	NPT 1/4"	38	12	111	5
<b>C1-62956-X01</b>	TW152	W21.8x1/14" <i>DIN 477 part 1</i>	NPT 1/4"	38	12	111	5
<b>C1-47060-X01</b>	TW152	0.903-14 NGO-RH <i>CGA 540</i>	NPT 1/4"	38	-	111	-
<b>C1-55583-X01*</b>	TW152	0.903-14 NGO-RH <i>CGA 540</i>	NPT 1/4"	38	-	122	-

\* with RPV pin

Ordering

**ORDERING** | Quick connector TW152 with 90° media inlet

approx. dimensions (mm)



Part No.	Description	Connection A (external thread)	Inlet B1 (internal thread)	D1	D2	L1	L2
<b>C1-59489</b>	TW152	G3/4" <i>DIN 477 part 1</i>	NPT 1/4"	38	12	111	5
<b>C1-62957-X01</b>	TW152	W21.8x1/14" <i>DIN 477 part 1</i>	NPT 1/4"	38	12	111	5
<b>C1-49930-X01</b>	TW152	0.903-14 NGO-RH <i>CGA 540</i>	NPT 1/4"	38	-	111	-
<b>C1-55579-X01*</b>	TW152	0.903-14 NGO-RH <i>CGA 540</i>	NPT 1/4"	38	-	122	-

\* with RPV pin

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 TW152:

**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)
<b>On request</b>	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 TW152:

Part No.	Description
<b>E50-109S614</b>	O-ring (for C1-59489, C1-62956, C1-59488, C1-62957)
<b>E50-069S614</b>	O-ring (for C1-55583, C1-55579)
<b>E50-46786-S611</b>	O-ring (for C1-47060, C1-49930)

## Other products

## OTHER PRODUCTS

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



Further information on our homepage  
[www.weh.com](http://www.weh.com)

**Abbreviations/Definition**

Explanation of abbreviations see technical appendix in the catalogue or [www.weh.com](http://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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