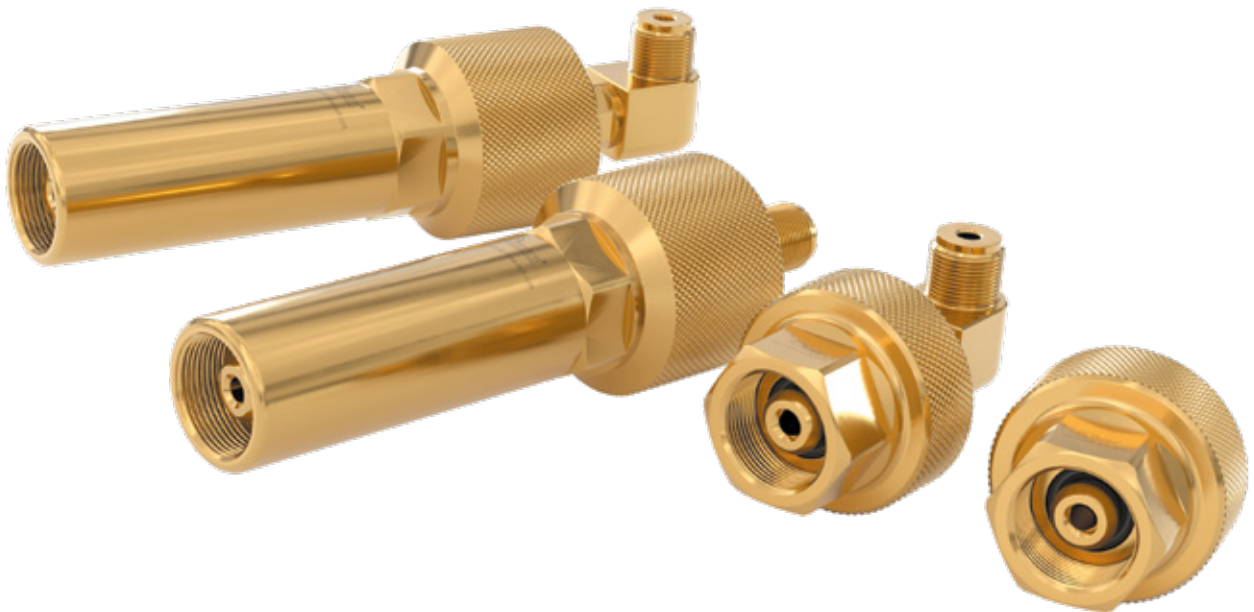


Type **TW67**

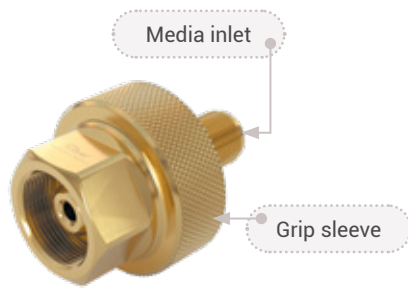
WEH[®] Manual connector for filling of gas cylinders

with male thread and with or without a residual pressure valve (pallet and bundle filling)



General

DESCRIPTION



Features

- Version for cylinder valves **with or without a residual pressure valve**
- Suitable for pallet and bundle filling
- Inline or 90° version available
- Compact design
- High-grade materials

The WEH® TW67 Manual connector for male threads is simply screwed onto the cylinder valve and the pressure-tight connection is made.

The TW67 is suitable for gas cylinders with a nominal operating pressure of 200 bar resp. 300 bar and is available in four different designs: a short version for pallet filling and an extended version for bundle filling, optionally as inline or 90° version and in each case for cylinder valves with or without a residual pressure valve.



TW67 - inline
pallet filling



TW67 - 90°
pallet filling



TW67 - inline
bundle filling



TW67 - 90°
bundle filling

Application

Manual connector for filling of gas cylinders with male thread and with or without a residual pressure valve (pallet and bundle filling).

TECHNICAL DATA

Characteristics	Basic version
Max. allowable operating pressure PS	250 bar resp. 375 bar
Temperature range	+5 °C up to +80 °C +5 °C up to +60 °C (O ₂)
Leak rate	1 x 10 ⁻³ mbar x l/s
Connection A (cylinder valve)	Male thread connection acc. to the corresponding national standard e.g. DIN, CEN, CGA, BS, NF etc.
Medium	Inert/flammable gases, oxygen, argon, nitrogen
Actuation	Manual actuation via grip sleeve
Material	Brass
Sealing material	Acc. to gas type
Filling type	Pallet filling, bundle filling
Conformity / Tests / Approvals	Type approval for suitability against adiabatic compression available

Other designs on request

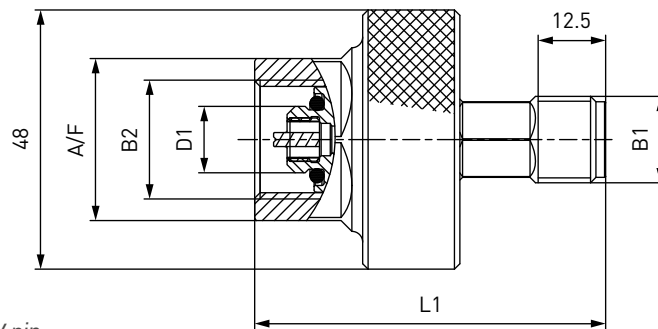
Example of use:



Ordering

ORDERING | WEH® TW67 Manual connector with inline media inlet - pallet filling

approx. dimensions (mm)



Example: TW67 with RPV pin



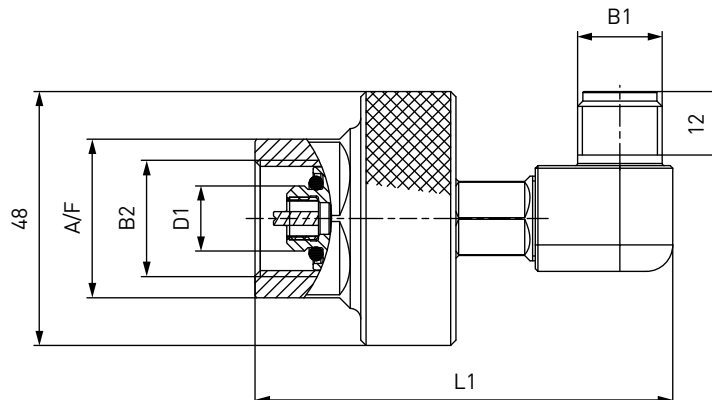
Part No.	B2 (female thread)	B1 (male thread)	Pressure (PS)	Medium	D1	L1	A/F
C1-94962-X01	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	65	30
C1-95028	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	65	30
C1-94992	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	65	30
C1-95039	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	68	36
C1-94996-X01	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	65	32
C1-98091	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	68	36
C1-94998*	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	65	30
C1-95063*	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	65	30
C1-94983-X01*	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	65	30
C1-95220*	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	68	36
C1-94995-X01*	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	65	32
C1-98090*	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	68	36

* with RPV pin

Ordering

ORDERING | WEH® TW67 Manual connector with 90° media inlet - pallet filling

approx. dimensions (mm)



Example: TW67 with RPV pin



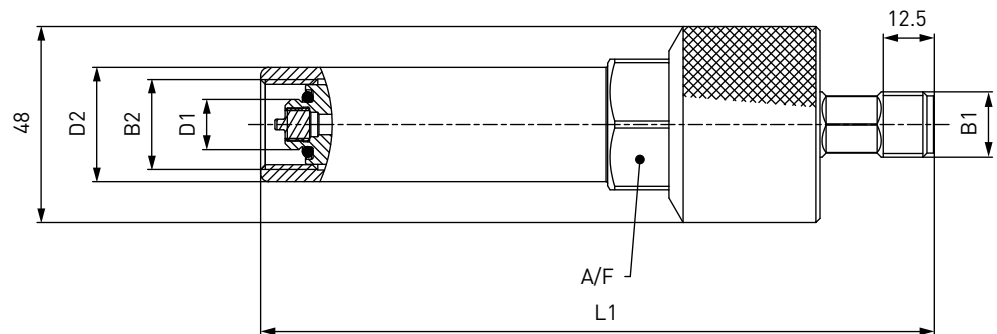
Part No.	B2 (female thread)	B1 (male thread)	Pressure (PS)	Medium	D1	L1	A/F
C1-93019-X01	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	79	30
C1-92813-X01	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	79	30
C1-92986-X01	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	79	30
C1-94098-X01	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	82	36
C1-93043-X01	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	78	32
C1-98089-X01	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	82	36
C1-93023-X01*	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	79	30
C1-92855*	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	79	30
C1-93009-X01*	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	79	30
C1-95221-X01*	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	82	36
C1-93047-X01*	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	79	32
C1-99758-X01*	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	82	36

* with RPV pin

Ordering

ORDERING | WEH® TW67 Manual connector with inline media inlet - bundle filling

approx. dimensions (mm)



Example: TW67 with RPV pin



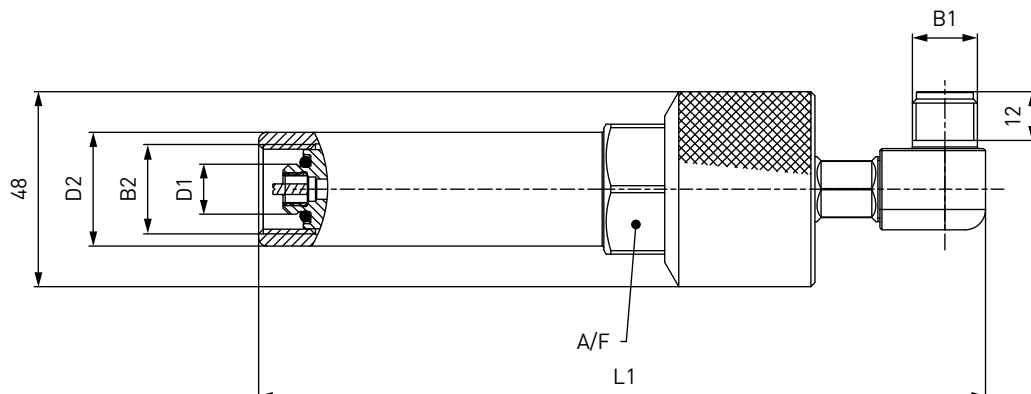
Part No.	B2 (female thread)	B1 (male thread)	Pressure (PS)	Medium	D1	D2	L1	A/F
C1-95101	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	28	164	32
C1-95194	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	28	164	32
C1-95202	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	30	164	32
C1-95111-X01	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	38	157	38
C1-95216	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	32	164	32
C1-98092	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	38	157	38
C1-95110*	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	28	165	32
C1-95196*	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	28	165	32
C1-95199*	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	30	165	32
C1-95223*	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	38	167	38
C1-95219*	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	32	165	32
C1-98093*	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	38	157	38

* with RPV pin

Ordering

ORDERING | WEH® TW67 Manual connector with 90° media inlet - bundle filling

approx. dimensions (mm)



Example: TW67 with RPV pin



Part No.	B2 (female thread)	B1 (male thread)	Pressure (PS)	Medium	D1	D2	L1	A/F
C1-95081-X01	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	28	178	32
C1-95195-X01	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	28	178	32
C1-95203-X01	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	30	178	32
C1-95080-X01	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	38	173	38
C1-95215-X01	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	32	178	32
C1-98094-X01	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	38	171	38
C1-95082-X01*	W21,8 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Argon	12.3	28	179	32
C1-95197*	W21,8 x1/14"- LH DIN 477 Part 1	M16x1.5	250 bar	Flammable gases	12.3	28	179	32
C1-95198-X01*	W24,32 x1/14" DIN 477 Part 1	M16x1.5	250 bar	Nitrogen	12.3	30	179	32
C1-95224-X01*	W30x2 ISO 5145 1.FTSC Code 0170	M16x1.5	375 bar	Inert gases	15.9	38	171	32
C1-95218-X01*	G3/4" DIN 477 Part 1	M16x1.5	250 bar	Oxygen	13.5	32	179	32
C1-98095-X01*	W30x2 ISO 5145 1.FTSC Code 4070	M16x1.5	375 bar	Oxygen	17.3	38	171	38

* with RPV pin

Other connection sizes and types on request.

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

Accessories

ACCESSORIES

The following accessories are available for the WEH® TW67 Manual connector:

WEH® TD1 Swivel joint

The WEH® TD1 prevents twisting of the filling hose and simplifies radial alignment of the connector.



Part no.	Description	B1	B2
On request	TD1	On request	On request

WEH® TK350-TN350 Quick release coupling

Quick release system for a quick and easy changeover of the WEH® TW67, whether for repair, to another type or a change from residual pressure to non-residual pressure cylinder valves.



Part no.	Description	B1 (male thread)	B2 (female thread)
C1-91239-X01	TK350 quick release coupling	-	M16x1.5
C1-91241-X01	TN350 quick release nipple	M16x1.5	-

Grip extension with o-ring



Part no.	Description	B1 (male thread)	B2 (female thread)
W95076	Grip extension 50 mm	M16x1.5	M16x1.5
W104260	Grip extension 132 mm	M16x1.5	M16x1.5
W95332	Grip extension 231 mm	M16x1.5	M16x1.5

Adaptors

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

Technical explanations

TECHNICAL EXPLANATIONS

Abbreviations/Definitions

For explanation of abbreviations, definitions of terms and further explanations, see the applicable Technical Appendix of the corresponding catalog or visit www.weh.com

Illustrations

The illustrations and/or images used in these 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.

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). Please note that WEH does not know your system and therefore - also due to the large number of different potential applications of WEH® Products - cannot perform tests on all potential types of application. You alone are responsible for the selection, configuration and suitability of WEH® Products, especially according to the requirements of your system. Before purchasing WEH® Products, please particularly ensure that our products are compatible with your intended use, your performance data, your material and fluids, your system concept and your system limits according to our product specifications. Please also consider 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. If you are not sure whether the WEH® Product is suitable for your system and intended use, please contact us in advance. 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.

Service life

WEH® Products are generally products which may be subject to wear and fatigue during operation and depending on your individual application/use. For details - in particular regarding the corresponding minimum inspection and maintenance intervals – please refer to the respective operating instructions for the WEH® Product.

Explanation on the Pressure Equipment Directive

These WEH® Products are generally classified as pressure accessories in accordance with Article 2 (5) of the Pressure Equipment Directive 2014/68/EU and are considered to be similar to piping. These WEH® Products may not be used as safety accessories. Furthermore, it is pointed out, that these WEH® Products are designed and placed on the market in accordance with the requirements of Article 4 (3) of the Pressure Equipment Directive 2014/68/EU. The assessment with regard to a different classification can, however, be made on request.

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More questions? – Great! Don't hesitate to contact our experts.

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