

JUMO GmbH & Co. KG

Delivery address: Mackenrodtstraße 14
36039 Fulda, Germany
Postal address: 36035 Fulda, Germany
Phone: +49 661 6003-0
Fax: +49 661 6003-607
E-mail: mail@jumo.net
Internet: www.jumo.net

JUMO Instrument Co. Ltd.

JUMO House
Temple Bank, Riverway
Harlow, Essex CM20 2DY, UK
Phone: +44 1279 635533
Fax: +44 1279 635262
E-mail: sales@jumo.co.uk
Internet: www.jumo.co.uk

JUMO Process Control, Inc.

6733 Myers Road
East Syracuse, NY 13057, USA
Phone: 315-437-5866
1-800-554-5866
Fax: 315-437-5860
E-mail: info.us@jumo.net
Internet: www.jumousa.com



JUMO PEKA

Process Connection Adapter with EHEDG

Brief description

The process connection combines the measuring instrument (different physical measurement variables or electrolytic conductivity) with a process connection adapter that is suitable for the application. Starting with a system that eliminates dead zones and a design that allows for good cleaning, the adapter system is specially constructed for the requirements of hygienic processes and is built and certified in accordance with EHEDG guidelines.

The rigid connecting piece with the adapter, which is designed to rotate, protects the O-ring that is located flush with the front from damage resulting from assembly and also makes it possible to align the measuring instrument.

The modular adapter system provides a fast, easy way to replace the measuring instrument, for example for calibration.

Possible applications include:

- Food and beverage industry
- Pharmaceutical industry
- Biotechnology
- Peripheral processes (water and wastewater treatment)

Customer benefits

• Process safety

Hygienic design, parts in contact with medium made of stainless steel. This and a system design that eliminates dead zones prevents microbial contamination, thereby ensuring the highest level of process safety

• Uncomplicated and time-saving

The modular adapter system can be used for numerous measuring instruments and is available with a wide range of process connection adapters. The measuring instrument can be mounted and removed any number of times. Reduced time for assembly, cleaning, and repair processes keeps system downtimes and the costs associated with them to a minimum.

• Flexible

With the 360° rotating connection adapter, the measuring instrument can be aligned individually in a user-friendly manner to ensure optimum legibility and electrical installation in any mounting position.



Approvals/marks of conformity (see Technical data)



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**Mechanical properties**

Material	1.4435 (316L)
Surface	Ra ≤ 0.8

Approvals/marks of conformity

Mark of conformity	Testing center	Certificate/test number	Test basis	applies to
EHEDG	TUM MAK	No. 02/2006	Document No 8	Process connection 997 JUMO PEKA

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Surface mounting adapter system

Measuring instruments



Pressure



Temperature



Liquid analysis

Pressure transmitter

402050 JUMO dTRANS p31
402060 JUMO Wtrans p
403025 JUMO dTRANS p20
404366 JUMO dTRANS p30
404385 JUMO dTRANS p02
405052 JUMO DELOS SI

Resistance thermometers

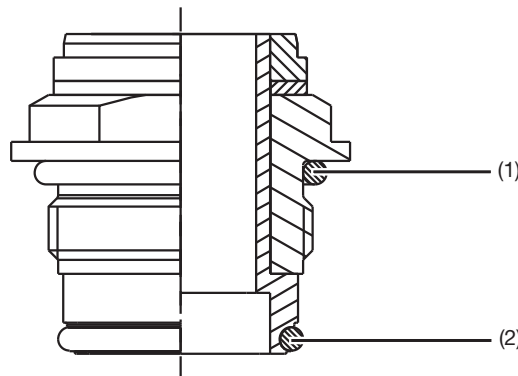
902810 Resistance thermometers
902815 JUMO Dtrans T100

Electrolytic conductivity

202924 JUMO tecLine CR
202930 JUMO tecLine CR-4P

Process connection JUMO PEKA 997

(process connection in the data sheet of the relevant measuring instrument: 997)



- (1) Rear seal
- (2) Front flush seal

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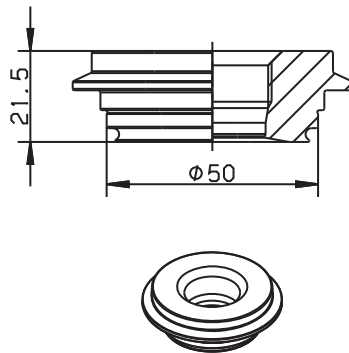
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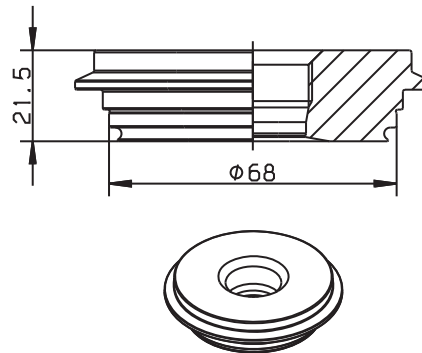
Process connection adapter (dimensions)

Varivent connection adapter

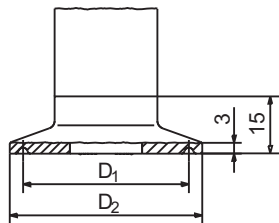
Varivent DN 25/32
 Part no. 00446324



Varivent DN 40-125
 Part no. 00445046



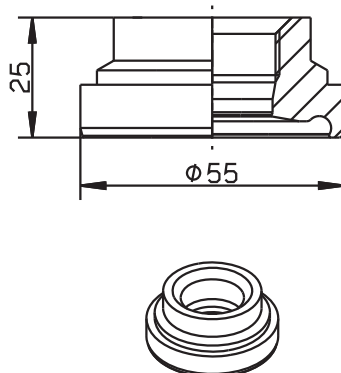
Clamp connection adapter



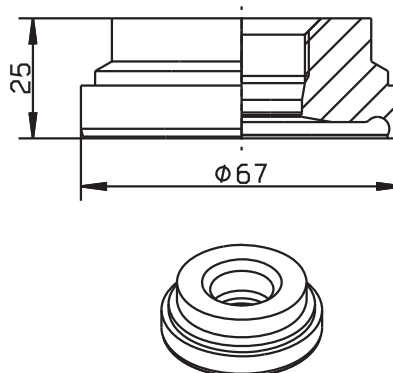
DN DIN 32676	DN (Zoll)	DN ISO 2852	Ø D ₁	Ø D ₂
25	1	20	43.5	50.5
32	1.5	25		
40		32		
50	2	40	56.5	64

Aseptic connection adapter

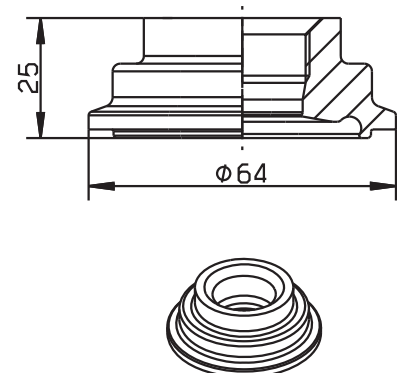
Aseptic DN 40
 Part no. 00446458



Aseptic DN 50
 Part no. 00445035



Aseptic NKS DN 40
 Part no. 00447555



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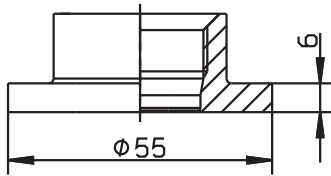
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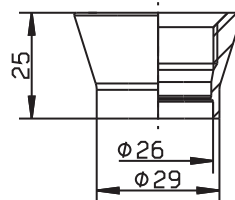
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**Welding sockets****Welding socket**

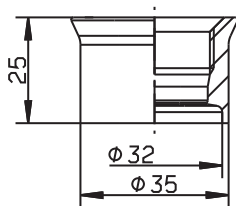
Part no. 00447190

**Orbital welding socket DN 25**

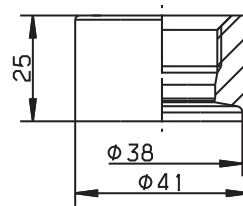
Part no. 00530211

**Orbital welding socket DN 32**

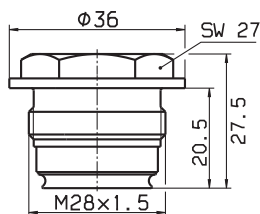
Part no. 00530212

**Orbital welding socket DN 40**

Part no. 00531973

**Blind grommet**

Part no. 00538367



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Soldering guidelines

The soldering guidelines apply to all welding sleeves listed in type sheet 409711.

Welding the PEKA welding sleeves in tanks (figure 1) and pipes (figure 2)

- 1) Drill a hole with the same external diameter as the sleeve, observing a max. tolerance of +0.2 mm
- 2) Position the welding sleeve and fasten it provisionally at four points..
- 3) Screw the welding aid in place.
- 4) It is advisable to divide the weld into several segments, in accordance with conventional welding practice.
Weld the sections between opposite points to avoid deformation and sealing problems.
- 5) After welding two segments, pause the welding process until the weld has cooled.
- 6) Allow the welding sleeve to cool after welding and remove the welding aid.

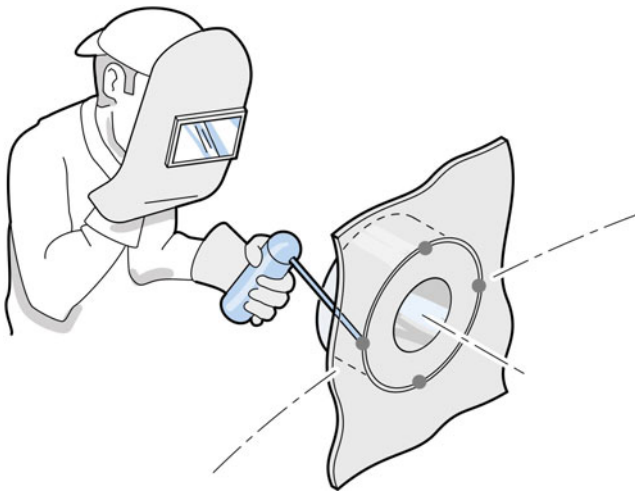


Figure 1: Welding in tanks

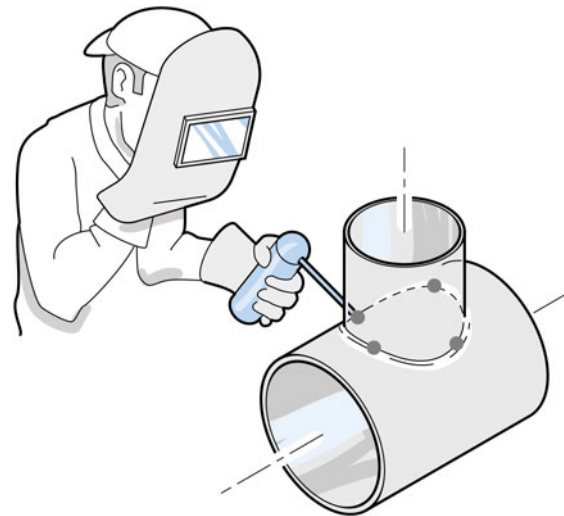


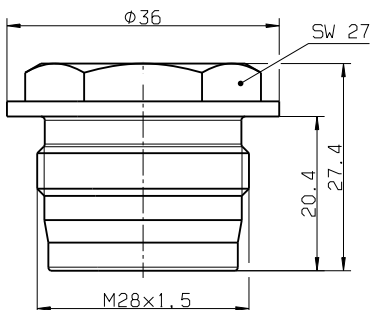
Figure 2: Welding in pipes

Important information!

To prevent the sleeve from melting or warping, the pauses between the individual sections should be timed to allow the sleeve to cool.

Welding dummy

Part no. 00538369



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Accessories

Notice regarding orders

A	Process connection JUMO PEKA^a 997, see page 3
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^a Process connection 997 must be selected in the data sheet of the relevant measuring instrument!

Order details

Process connection adapter ^a	Material	Part no.
Varivent DN 25/32	1.4435/316L	00446324
Varivent DN 40 to 125	1.4435/316L	00445046
Clamp DN 25/32/40 according to DIN 32676; DN 20, 25, 32 to ISO 2852; DN 1, 1.5"	1.4435/316L	00445047
Clamp DN 50 according to DIN 32676; DN 40 to ISO 2852; DN 2"	1.4435/316L	00445037
Aseptic screw connection DN 40 according to EN 11864-1A	1.4435/316L	00446458
Aseptic screw connection DN 50 according to EN 11864-1A	1.4435/316L	00445035
Aseptic clamp connection NKS DN 40 according to EN 11864-3A	1.4435/316L	00447555
Welding socket Ø 55 mm	1.4435/316L	00447190
Orbital welding socket DN 25	1.4435/316L	00530211
Orbital welding socket DN 32	1.4435/316L	00530212
Orbital welding socket DN 40	1.4435/316L	00531973
Rear seal^b (spare part)		
O-ring 26 × 2.5	VMQ	00451344
Front flush seal^c		
O-ring 21 × 2.5	VMQ	00446160
O-ring 21 × 2.5	EPDM	00446162
O-ring 21 × 2.5	FPM	00446738
Blind grommet for orbital welding socket	1.4435/316L	00538367
Welding dummy for orbital welding socket	Brass 2.0401	00538369

^a Additional sizes available on request.

^b In conjunction with a measuring instrument the seal is included in delivery of process connection 997.

^c Attention: Please order seal matching to application.