Hose systems
Life Science

ASEPTCONN AG
competence in fluid handling

Trust thanks to great expertise and many years of experience

Hose systems are very critical components in many processes in the bio-pharmaceutical industry. It is often difficult for outsiders to comprehend the complexity of choosing the right hose system in this context. The multitude of applicable standards, the features of the materials used or the numerous connection options make the configuration and assembly of hose systems a true art.

Although numerous companies are entering this demanding market, only a handful have really established themselves. We are all the more proud of the great success of Aseptconn in this market environment. But this success does not come by chance. Our employees have the required specialist knowledge and many years of experience in the sale and manufacture of such hose systems.

This special expertise has been incorporated into the first hose developed entirely by Aseptconn: the AseptCor® U series. In a unique way, this hose combines the chemical characteristics of PTFE-based plastics with the flexibility of a silicone hose. In combination with the reusable AseptLock® hose fittings, also developed in-house, this results in a versatile, easy-to-use hose system that both makes your processes safer and reduces costs.

You will find numerous other examples in this catalogue that demonstrate why you can trust Aseptconn when it comes to selecting the right hose system. We look forward to being able to provide you with support and advice.

Warm regards,
Fabio Stiz

Fabio Stiz
CEO and Co-Founder
Aseptconn AG

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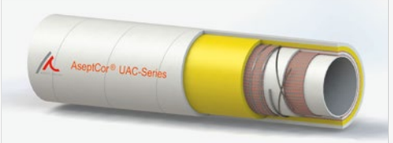
Overview table of hose types

Hose type	Image	Description	Inliner material	Inner-Ø [mm]	Recommended operating pressure at 20°C [bar]	Temperature range [°C]	Vacuum resistant	ATEX	Certifications
STHT-C		Highly versatile. For unpressurised or low-pressure applications. Fully transparent and highly elastic characteristic. Manufactured in a clean room ISO 14644-1 class 7.	Platinum-cured silicone	1.57 to 25.4	0.4 to 2.9	-62 to +232	-	-	3A SANITARY STANDARD, USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY
STHT-R		Highly versatile. Suitable for applications with increased system pressure. Very good elasticity with increased compressive strength. Manufactured in a clean room ISO 14644-1 class 7.	Platinum-cured silicone	3.2 to 31.8	3.1 to 11.8	-62 to +204	-	-	3A SANITARY STANDARD, USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY
STHT-W		Highly versatile. Suitable for applications with increased system pressures and vacuum. Good chemical resistance.	Platinum-cured silicone	12.7 to 76.2	7.0 to 11.0	-62 to +177	✓	-	3A SANITARY STANDARD, USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY
U		Highly versatile. Suitable for the transport of high-purity media and pure steam. Manufactured in a clean room ISO 14664-1 class 8.	PFA	9.52 to 76.0	5.0 to 15.0	-30 to +150	✓	-	3A SANITARY STANDARD, USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY, BfR FOOD QUALITY, DM 21/03/73, EU 10/20 11
UX		Highly versatile. Suitable for the transport of high-purity media and pure steam. With ATEX approval.	PFA	19.05 to 76.0	5.0 to 10.0	-30 to +150	✓	✓	USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY, BfR FOOD QUALITY, DM 21/03/73, EU 10/20 11
UAC		Highly versatile. Suitable for the transport of high-purity media and pure steam. With anti-condensate characteristic.	PFA	19.0 to 25.0	10.0	-40 to +150	✓	-	USP CLASS VI PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY, DM 21/03/73, EU 10/20 11
Comp (CO)		Suitable for the transport of high-purity media and pure steam. Used between two components to absorb and eliminate vibrations.	Platinum-cured silicone	Customer-specific	Depending on Ø	-60 to +200	-	-	USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY, BfR FOOD QUALITY
Pharmadust (PD)		For the transport of air/powder mixtures. The transparent construction allows visual inspection of the media transport.	Technopolymer	25.0 to 100.0	3.0 to 6.0	-10 to +85	✓	✓	USP CLASS VI PHARMACOPOEIA, ISO 10993, FDA FOOD QUALITY, DM 21/03/73, EU 10/20 11, TRGS 727
Thermo (TH)		Heatable. Suitable for the transport of heat-sensitive liquids where a constant temperature must be guaranteed.	Silicone	19.0 to 65.0	10.0	-40 to +100	✓	–	USP CLASS VI PHARMACOPOEIA, EUROPEAN E.P. 3.1.9 PHARMACOPOEIA, FDA FOOD QUALITY

Aseptconn STHT- C Series | Platinum-cured silicone hose

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The platinum-cured Aseptconn silicone hoses of the STHT-C series are designed for depressurised or low-pressure applications and can be used within a wide temperature range. The hoses are completely transparent, highly elastic and have good chemical resistance. Production takes place in a clean room according to ISO 14644-1 class 7.

3A SANITARY STANDARD · USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY

Technical characteristics

Construction

Hose
- Platinum-cured silicone
- Transparent, tasteless and odourless
- Ultra-smooth surface

Temperature range

-62°C to +232°C

Sterilisation

- Autoclavable
- Gas – ethylene oxide
- Irradiation – up to 5 Mrad (50 kilogray)

Product information

Product group

Hoses

Description

Platinum-cured silicone hose

Characteristics

- Very high level of flexibility over the entire temperature range
- Hardness: 50 Shore A (65 Shore A on request)
- High purity, for biopharmaceutical processes
- Suitable for single-use applications

Available lengths

- Rolls of 15.24 m (tolerance: 0 ± 50 mm)
- Rolls of 30.48 m (tolerance: 0 ± 50 mm)

Connections

- Large number of metal connections according to international standards
- Quick couplings
- Overmolded, non-metallic fitting

Connector sockets

- Overmolded
- Hose clamp

Notes

Subject to technical changes.

ASEPTCONN STHT- C

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]
STHT-C 062-2	300.C062-2.XX	1.57	4.7	2.3
STHT-C 093-2	300.C093-2.XX	2.36	5.5	1.5
STHT-C 093-3	300.C093-3.XX	2.36	7.1	2.4
STHT-C 093-4	300.C093-4.XX	2.36	8.7	2.9
STHT-C 0125-2	300.C0125-2.XX	3.17	6.4	1.1
STHT-C 0125-3	300.C0125-3.XX	3.17	7.9	1.4
STHT-C 0125-4	300.C0125-4.XX	3.17	9.5	2.4
STHT-C 0156-2	300.C0156-2.XX	3.96	7.1	1.3
STHT-C 0156-3	300.C0156-3.XX	3.96	8.7	1.5
STHT-C 0156-4	300.C0156-4.XX	3.96	10.3	1.9
STHT-C 0187-2	300.C0187-2.XX	4.75	7.9	0.9
STHT-C 0187-3	300.C0187-3.XX	4.75	9.5	1.3
STHT-C 0187-4	300.C0187-4.XX	4.75	11.1	1.7
STHT-C 0250-2	300.C0250-2.XX	6.35	9.5	0.8
STHT-C 0250-3	300.C0250-3.XX	6.35	11.1	1.1
STHT-C 0250-4	300.C0250-4.XX	6.35	12.7	1.4
STHT-C 0312-2	300.C0312-2.XX	7.9	11.1	0.7
STHT-C 0312-3	300.C0312-3.XX	7.9	12.7	1.2
STHT-C 0312-4	300.C0312-4.XX	7.9	14.3	1.3
STHT-C 0375-2	300.C0375-2.XX	9.5	12.7	0.8
STHT-C 0375-3	300.C0375-3.XX	9.5	14.3	0.9

*... only available in a length of 15.24 meters
.XX = 15 for lengths of 15.24 meters (e.g. 300.C0125-2.15)
.XX = 30 for lengths of 30.48 meters (e.g. 300.C0125-3.30)

CONTINUATION

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]
STHT-C 0375-4	300.C0375-4.XX	9.5	15.9	0.9
STHT-C 0375-5	300.C0375-5.XX	9.5	19.1	1.4
STHT-C 0500-2	300.C0500-2.XX	12.7	15.9	0.5
STHT-C 0500-3	300.C0500-3.XX	12.7	17.4	0.7
STHT-C 0500-4	300.C0500-4.XX	12.7	19.1	0.8
STHT-C 0500-5	300.C0500-5.XX	12.7	22.2	1
STHT-C 0625-2	300.C0625-2.XX	15.9	19.1	0.4
STHT-C 0625-3	300.C0625-3.XX	15.9	20.6	0.5
STHT-C 0625-4	300.C0625-4.XX	15.9	22.2	0.6
STHT-C 0750-2	300.C0750-2.15*	19.1	22.2	0.4
STHT-C 0750-3	300.C0750-3.15*	19.1	23.8	0.5
STHT-C 0750-4	300.C0750-4.15*	19.1	25.4	0.8
STHT-C 0750-5	300.C0750-5.15*	19.1	28.6	0.8
STHT-C 0875-2	300.C0875-2.15*	22.2	25.4	0.5
STHT-C 0875-3	300.C0875-3.15*	22.2	27.0	0.5
STHT-C 0875-4	300.C0875-4.15*	22.2	28.6	0.6
STHT-C 1000-2	300.C1000-2.15*	25.4	28.6	0.4
STHT-C 1000-3	300.C1000-3.15*	25.4	30.1	0.5
STHT-C 1000-4	300.C1000-4.15*	25.4	31.8	0.6
STHT-C 1000-5	300.C1000-5.15*	25.4	34.9	0.7
STHT-C 1000-6	300.C1000-6.15*	25.4	38.1	0.8

*... only available in a length of 15.24 meters
.XX = 15 for lengths of 15.24 meters (e.g. 300.C0125-2.15)
.XX = 30 for lengths of 30.48 meters (e.g. 300.C0125-3.30)

Aseptconn STHT- R Series | Fabric-reinforced silicone hose

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The fabric-reinforced, platinum-cured Aseptconn silicone hoses of the STHT-R series are designed for applications with increased system pressures and can be used within a wide temperature range. Thanks to the polyester fabric reinforcement, very good elasticity is guaranteed with increased compressive strength. Furthermore, the hoses have a great chemical resistance. Production takes place in a clean room according to ISO 14644-1 class 7.

3A SANITARY STANDARD · USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY

Technical characteristics

Construction

Inliner
- Platinum-cured silicone
- Transparent, tasteless and odourless
- Ultra-smooth surface

Reinforcement
- Polyester fabric layers

Cover
- Platinum-cured silicone
- Smooth, transparent surface

Temperature range

-62°C to +204°C

Sterilisation

- Autoclavable
- Gas – ethylene oxide
- Irradiation – up to 5 Mrad (50 kilogray)
- Inline sterilisable (steam)

Product information

Product group

Hoses

Description

Fabric-reinforced silicone hose

Characteristics

- High level of flexibility over the entire temperature range
- Hardness: 65 Shore A
- High purity, for biopharmaceutical processes
- The smooth inliner enables optimum cleaning and sterilisation results

Available lengths

- Rolls of 15.24 m (tolerance: 0 ± 50 mm)
- Rolls of 30.48 m (tolerance: 0 ± 50 mm)

Connections

- Large number of metal connections according to international standards
- Quick couplings
- Overmolded, non-metallic fitting
- AseptLock® (reusable hose fitting)

Connector sockets

- Overmolded
- Hose clamp
- Crimped

Notes

Subject to technical changes.

ASEPTCONN STHT- R

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recom-mended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
STHT-R 0125	300.R0125.XX	3.2	8.2 - 8.8	11.8	48.3	-	25.4	0.08
STHT-R 0187	300.R0187.XX	4.8	9.8 - 10.4	11.0	44.8	-	31.8	0.1
STHT-R 0250	300.R0250.XX	6.4	12.2 - 14.2	10.7	43.1	-	38.1	0.12
STHT-R 0375	300.R0375.XX	9.5	16.5 - 17.0	9.3	37.9	-	44.5	0.2
STHT-R 0375 HW	300.R0375HW.XX	9.5	17.0 - 18.0	9.3	37.9	-	48.5	0.21
STHT-R 0500	300.R0500.XX	12.7	19.5 - 20.5	8.6	34.5	-	50.8	0.23
STHT-R 0625	300.R0625.XX	15.9	24.0 - 25.0	7.2	28.9	-	63.5	0.33
STHT-R 0750	300.R0750.XX	19.1	27.2 - 28.2	6.2	25.1	-	76.2	0.4
STHT-R 1000	300.R1000.15*	25.4	33.2 - 34.6	3.7	15.1	-	101.6	0.5
STHT-R 1250	300.R1250.15*	31.8	40.0 - 41.7	3.1	8.9	-	114.3	0.6

*... only available in a length of 15.24 meters
.XX = 15 for lengths of 15.24 meters (e.g. 300.R0750.15)
.XX = 30 for lengths of 30.48 meters (e.g. 300.R0750.30)

Aseptconn STHT- W Series | Wire-reinforced silicone hose

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The wire-reinforced, platinum-cured Aseptconn silicone hoses of the STHT-W series are designed for applications with high system pressures and vacuum and can be used within a wide temperature range. Furthermore, the hoses have a great chemical resistance. The smooth inliner enables optimum cleaning and sterilisation results.

3A SANITARY STANDARD · USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY

Technical characteristics

Construction

Inliner
- Platinum-cured silicone
- Transparent, tasteless and odourless
- Ultra-smooth surface

Reinforcement
- High strength plies of synthetic cord and embedded steel helix wire AISI 302

Cover
- Platinum-cured silicone
- Smooth, transparent surface

Temperature range

-62°C to +177°C

Sterilisation

- Autoclavable
- Gas – ethylene oxide
- Inline sterilisable (steam)

Product information

Product group

Hoses

Description

Wire-reinforced silicone hose

Characteristics

- High pressure and vacuum resistance
- Extremely resistant
- High purity, for biopharmaceutical processes
- The smooth inliner enables optimum cleaning and sterilisation results

Available lengths

- Up to ID 50.8 mm: rolls of 15.0 m (tolerance: 0 ± 50 mm)
- From ID 63.5 mm: rolls of 6.0 m (tolerance: 0 ± 50 mm)

Connections

- Large number of metal connections according to international standards
- AseptLock® (reusable hose fitting)

Connector sockets

Crimped

Notes

Subject to technical changes.

ASEPTCONN STHT- W

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
STHT-W 0500	300.W0500.15	12.7 ±0.3	20.5 ±1.0	11.0	33.0	-0.9	40.0	0.5
STHT-W 0750	300.W0750.15	19.1 ±0.3	29.0 ±1.0	10.0	30.0	-0.9	55.0	0.6
STHT-W 1000	300.W1000.15	25.4 ±0.3	35.0 ±1.0	10.0	30.0	-0.9	65.0	0.7
STHT-W 1250	300.W1250.15	31.8 ±0.3	42.0 ±1.0	10.0	30.0	-0.9	95.0	1.4
STHT-W 1500	300.W1500.15	38.1 ±0.3	48.0 ±1.0	10.0	30.0	-0.9	110.0	1.5
STHT-W 2000	300.W2000.15	50.8 ±0.3	61.0 ±1.0	10.0	30.0	-0.9	150.0	1.6
STHT-W 2500	300.W2500.06	63.5 ±0.3	74.5 ±1.0	8.0	24.0	-0.9	180.0	1.7
STHT-W 3000	300.W3000.06	76.2 ±0.3	88.0 ±1.0	7.0	21.0	-0.9	240.0	2.1

AseptCor® U Series | PFA hose with silicone cover

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The wire-reinforced PFA hoses from the AseptCor® U series are versatile and are suitable for transporting high-purity media as well as pure steam.
The AseptCor® U hoses are designed for applications with high system pressures and vacuum and can be used within a wide temperature range. The hoses are manufactured in a clean room according to ISO 14664-1 class 8.

3A SANITARY STANDARD · USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY · BfR FOOD QUALITY · DM 21/03/73 · EU 10/20 11

Technical characteristics

Construction

Inliner	▪ PFA (Perfluoroalkoxy) ▪ Tasteless and odourless ▪ Fluorinated, surface as smooth as glass
Reinforcement	▪ High strength plies of synthetic cord and embedded steel helix wire AISI 302
Cover	▪ Transparent, platinum-cured silicone rubber (PT3362) ▪ Smooth, shiny surface ▪ Special design with low coefficient of friction

Temperature range

-30°C to +150°C

Sterilisation

With steam up to 135°C, at 3.5 bar for max. 30 min

Product information

Product group

Hoses

Description

PFA hose with silicone cover

Characteristics

- Specially developed to combine the technical advantages of a perfluoropolymer with the elasticity and heat resistance of silicone
- Hygienic hose with platinum-cured silicone coating as well as non-stick and water-repellent characteristics
- High level of flexibility over the entire temperature range
- Excellent resistance of the structure to dynamic loads
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- Free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

Available lengths

20.0 m

Connections

- Large number of metal connections according to international standards
- AseptLock® (reusable hose fitting)

Connector sockets

- Crimped
- Safety clamp ends

Notes

Subject to technical changes.

ASEPTCOR® U

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recom-mended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum static bending radius [mm]	Minimum dynamic bending radius [mm]	Hose weight [kg/m]
AseptCor U 06	ACU.06.038	9.52	17.4	15.0	110.0	-0.9	42.0	46.0	0.3
AseptCor U 08	ACU.08.050	12.7	20.3	15.0	107.0	-0.9	45.0	60.0	0.35
AseptCor U 12	ACU.12.075	19.05	28.6	12.0	82.0	-0.9	65.0	90.0	0.54
AseptCor U 16	ACU.16.100	25.4	37.0	12.0	71.0	-0.9	85.0	140.0	0.76
AseptCor U 20	ACU.20.125	31.75	41.9	12.0	52.0	-0.9	120.0	200.0	0.85
AseptCor U 24	ACU.24.150	38.1	51.1	10.0	44.0	-0.9	140.0	250.0	1.3
AseptCor U 32	ACU.32.200	50.8	63.8	10.0	41.0	-0.9	180.0	300.0	1.69
AseptCor U 40	ACU.40.250	63.5	79.5	5.0	15.0	-0.9	320.0	380.0	2.53
AseptCor U 48	ACU.48.300	76.0	92.0	5.0	15.0	-0.9	380.0	460.0	3.62

AseptCor® UX Series | PFA hose with silicone cover / ATEX

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The wire-reinforced PFA hoses from the AseptCor® UX series are versatile and are suitable for transporting high-purity media as well as pure steam.
The AseptCor® UX hoses are designed for applications with medium to high system pressures and vacuum and can be used within a wide temperature range. Their antistatic characteristics (R<10^6 Ω) enable use in an ATEX zone.

USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY · BfR FOOD QUALITY · DM 21/03/73 · EU 10/20 11

Technical characteristics

Construction

Inliner
- PFA (Perfluoralkoxy), black
- Fluorinated, surface as smooth as glass
- antistatic (R<10^6 Ω)

Reinforcement
- High strength plies of synthetic cord and embedded steel helix wire

Cover
- Transparent, platinum-cured silicone rubber
- Smooth, shiny surface

Temperature range
-30°C to +150°C

Sterilisation
With steam up to 135 °C for max. 30 min

Product information

Product group
Hoses

Description
PFA hose with silicone cover / ATEX

Characteristics
- Hygienic hose with platinum-cured silicone coating and antistatic characteristics
- Suitable for the transport of non-abrasive powders
- No use of additives or potentially environmentally hazardous chemicals
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- Free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

Available lengths
20.0 m

Connections
Large number of metal connections according to international standards

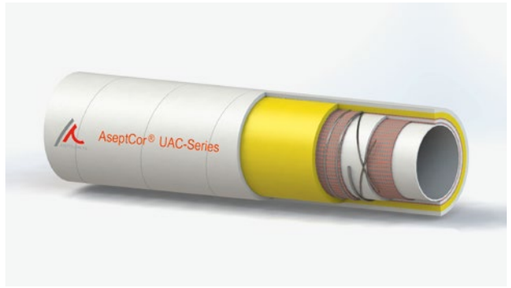
Connector sockets
- Crimped
- Safety clamp ends
- Conductive, black PFA-lined fittings (clamp, flange, etc.)

Notes
Subject to technical changes.

ASEPTCOR® UX

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recom-mended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
AseptCor UX 12	ACUX.12.075	19.05	28.6	10.0	30.0	-0.9	120.0	0.68
AseptCor UX 16	ACUX.16.100	25.4	37.0	10.0	30.0	-0.9	150.0	0.82
AseptCor UX 20	ACUX.20.125	31.75	41.9	10.0	30.0	-0.9	200.0	1.04
AseptCor UX 24	ACUX.24.150	38.1	51.1	10.0	30.0	-0.9	250.0	1.52
AseptCor UX 32	ACUX.32.200	50.8	63.8	10.0	30.0	-0.9	300.0	1.96
AseptCor UX 40	ACUX.40.250	63.5	79.5	5.0	15.0	-0.9	380.0	2.57
AseptCor UX 48	ACUX.48.300	76.0	92.0	5.0	15.0	-0.9	460.0	3.66

AseptCor® UAC Series | PFA hose with silicone cover / anti-condensate



Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The wire-reinforced PFA hoses from the AseptCor® UAC series are versatile and are suitable for transporting high-purity media as well as pure steam.
The AseptCor® UAC hoses are designed for applications with medium to high system pressures and vacuum and can be used within a wide temperature range. The special construction of the hoses makes it possible to considerably reduce the formation of condensate, which is caused by the heat exchange when transporting liquids at high or low temperatures.

USP CLASS VI PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY · DM 21/03/73 · EU 10/20 11

Technical characteristics

Construction

Inliner	▪ PFA (Perfluoroalkoxy) ▪ Fluorinated, surface as smooth as glass
Reinforcement	▪ High strength plies of synthetic cord and embedded steel helix wire ▪ Two copper wires ▪ Multilayer aramid fibre insulation
Cover	▪ Transparent silicone rubber ▪ Food and pharmaceutical quality ▪ Tasteless and odourless ▪ Smooth, shiny surface

Temperature range
-40 °C to +150 °C

Sterilisation
With steam up to 130 °C for max. 30 min

Product information

Product group
Hoses

Description
PFA hose with silicone cover / anti-condensate

Characteristics
- Hygienic hose with platinum-cured silicone coating and anticondensing characteristics
- Crack resistant and high flexural strength
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- Free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).

Available lengths
30.0 m

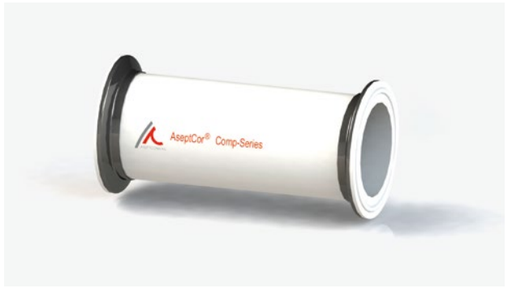
Connections
Large number of metal connections according to international standards

Connector sockets
Crimped

Notes
Subject to technical changes.
Other dimensions available on request

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
AseptCor UAC 19	ACU.AC.019	19.0	36.0	10.0	40.0	-0.9	114.0	0.85
AseptCor UAC 25	ACU.AC.025	25.0	43.0	10.0	40.0	-0.9	150.0	1.28

AseptCor® Comp Series | Platinum-cured silicone compensator



Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The compensators of the AseptCor® Comp series are used to compensate and eliminate vibrations between two components. They are suitable for the transport of high purity media as well as pure steam, as used in the pharmaceutical or biopharmaceutical industries. Production is carried out according to individual requirements, taking into account the required hose diameters and lengths. The compensators of the AseptCor® Comp series are manufactured in a clean room according to ISO 14664-1 class 8.

USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY · BfR FOOD QUALITY

Technical characteristics

Construction

Inliner	▪ Platinum-cured silicone ▪ Tasteless and odourless ▪ Smooth, shiny surface

Temperature range
-60°C to +200°C

Sterilisation
Autoclavable as well as all other common procedures (irradiation, CIP/SIP etc.)

Product information

Product group
Hoses

Description
Platinum-cured silicone compensator

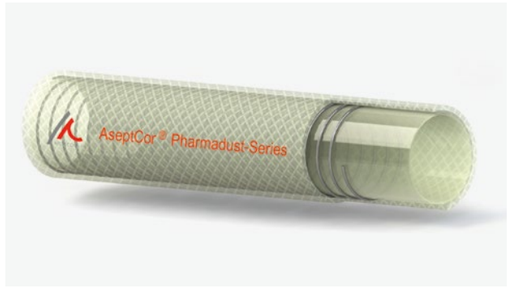
Characteristics
- The construction is free of metal parts, which ensures the primary function of preventing vibration transmission
- The support sleeves are made of the material 316L
- The special, completely smooth surface prevents cross-contamination and bacterial growth

Connections
Tri-clamp according to BS 4825-3

Connector sockets
Vulcanised and coated

Notes
Subject to technical changes.

AseptCor® Pharmadust Series | Wire-reinforced technopolymer hose / ATEX



Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The wire-reinforced TPE hoses of the AseptCor® PD series are preferably used in the pharmaceutical or biopharmaceutical industry and are suitable for transporting air-powder mixtures. AseptCor® PD hoses are designed for low to medium system pressure and vacuum applications. The transparent construction allows visual inspection of the media transport.

USP CLASS VI PHARMACOPOEIA · ISO 10993 · FDA FOOD QUALITY · DM 21/03/73 · EU 10/20 11 · TRGS 727

Technical characteristics

Construction

Inliner
- Technopolymer, antistatic R<10^9 Ω)
- Transparent, tasteless and odourless
- Mirror-smooth surface
- Abrasion loss: < 36 mm³ according to DIN 53516

Reinforcement
- High strength plies of synthetic cord and embedded steel helix wire AISI 302

Cover
- Technopolymer
- Transparent, tasteless and odourless
- Abrasion and ozone resistant
- Smooth, shiny surface

Temperature range
-10°C to +85°C

Sterilisation
With water (CIP) up to 100°C without pressure, mixed with a mild detergent

Product information

Product group
Hoses

Description
Wire-reinforced technopolymer hose / ATEX

Characteristics
- Hygienic hose with technopolymer coating and antistatic characteristics
- Their antistatic characteristics (R<10^6 Ω) enable use in an ATEX zone
- Excellent abrasion resistance
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- Free from animal derived ingredients, phthalates, adipates and materials subject to restrictions acc. to EC 1907/2006 (REACH).
- For hose assemblies: test of electrical continuity between connections (R<10^2 Ω) according to EN 8031

Available lengths
- Up to ID 50.0 mm – 20.0 m
- From ID 63.5 mm – 10.0 m

Connections
Large number of metal connections according to international standards

Connector sockets
- Crimped
- Safety clamp ends

Notes
Subject to technical changes.

ASEPTCOR® PD

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
AseptCor PD 25	ACU.PD.025	25.0	33.0	6.0	18.0	-0.9	150.0	0.38
AseptCor PD 38	ACU.PD.038	38.0	46.0	6.0	18.0	-0.9	230.0	0.54
AseptCor PD 50	ACU.PD.050	50.0	58.5	5.0	15.0	-0.9	300.0	0.98
AseptCor PD 64	ACU.PD.064	63.5	72.0	4.0	12.0	-0.9	400.0	1.24
AseptCor PD 76	ACU.PD.076	76.0	85.0	4.0	12.0	-0.8	490.0	1.63
AseptCor PD 100	ACU.PD.100	100.0	112.0	3.0	9.0	-0.8	700.0	2.48

AseptCor® Thermo Series | Heatable silicone hose

Labelling: *Supplier / hose type and size / batch number / standards / date of manufacture*

The heatable, thermostatic silicone hoses of the AseptCor® TH series have been specially developed for the transport of heat-sensitive liquids where a constant temperature must be guaranteed (±10°C). They can also be used for product preheating processes. The AseptCor® TH range of hoses is manufactured exclusively to customer requirements and specifications.

USP CLASS VI PHARMACOPOEIA · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · FDA FOOD QUALITY

Technical characteristics

Construction

Inliner
- Silicone (SIL.BI)
- Food and pharmaceutical quality
- Tasteless and odourless
- Mirror-smooth surface

Reinforcement
- Polyester fabric layers

Cover
- Transparent silicone rubber
- Food and pharmaceutical quality
- Tasteless and odourless
- Smooth, shiny surface

Temperature range

-40°C to +100°C

Sterilisation

- With steam up to 135 °C for, at 3.5 bar for max. 90 min
- With hot air up to 200 °C, max. 30 min
- During the sterilisation process, the electrical connections must be disconnected.

Electricity

Power supply 24 Volt; power supply panel available on request.

Product information

Product group

Hose

Description

Heatable silicone hose

Accessories

A wide range of accessories can be supplied on request:
- Electrical cables for connection to the control system of low-voltage gear boxes
- Thermocouples for temperature control or for the visualisation of the current temperature

Characteristics

- No PLC or other control instruments are required
- Hose complies with directives according to EC 2006/95/CE
- Supplied only assembled
- Technical data with regard to diameter, wall thickness, bending radius and weight can only be defined when the offer is submitted
- Please contact our sales department

Maximum length

5.0 m

Connections

Large number of metal connections according to international standards

Connector sockets

- Crimped
- Safety clamp ends
- Vulcanised

Notes

Subject to technical changes.

ASEPTCOR® TH

Hose type	Part no.	Inner-Ø [mm]	Outer-Ø [mm]	Recommended operating pressure at 20°C [bar]	Minimum burst pressure at 20°C [bar]	Vacuum resistant [bar]	Minimum bending radius [mm]	Hose weight [kg/m]
AseptCor TH 19	ACCO.TH.019	19.0	-	10.0	30.0	-0.6	-	-
AseptCor TH 25	ACCO.TH.025	25.0	-	10.0	30.0	-0.6	-	-
AseptCor TH 32	ACCO.TH.032	32.0	-	10.0	30.0	-0.6	-	-
AseptCor TH 38	ACCO.TH.038	38.0	-	10.0	30.0	-0.6	-	-
AseptCor TH 50	ACCO.TH.050	50.0	-	10.0	30.0	-0.5	-	-
AseptCor TH 65	ACCO.TH.065	65.0	-	10.0	30.0	-0.5	-	-

AseptLock® | Reusable hose fittings

Labelling: size / *material number / heat number / manufacturer code*

AseptLock® is a reusable hose fitting designed specifically for the biopharmaceutical and related industries, which allows easy on-site assembly of hose systems. The hose nozzle in contact with the product is made entirely of stainless steel (1.4435BN2). A clamping sleeve made of autoclavable PVDF allows adjustment to the different wall thicknesses of silicone or PFA hoses.

Technical characteristics

Material

Union nut: 1.4301
Clamping sleeve: autoclavable PVDF
Hose nozzle: 1.4435 BN2 (Fe < 0.5%) according to EN 10088

Certification

According to EN 10204-3.1

Applicable standards

- Tri-clamp according to DIN 32676
- Hose connection according to DIN 32676
- Welding ends according to DIN11866

Permissible sterilisation temperature

150°C

Pipe hygiene classes

H3 / H4 according to DIN 11866

Surface quality

- Inside surface: Ra < 0.4 µm
- Outside surface: glossy

Option

Electropolishing

Product information

Product group

Hose connections

Description

Reusable hose fitting

Advantages

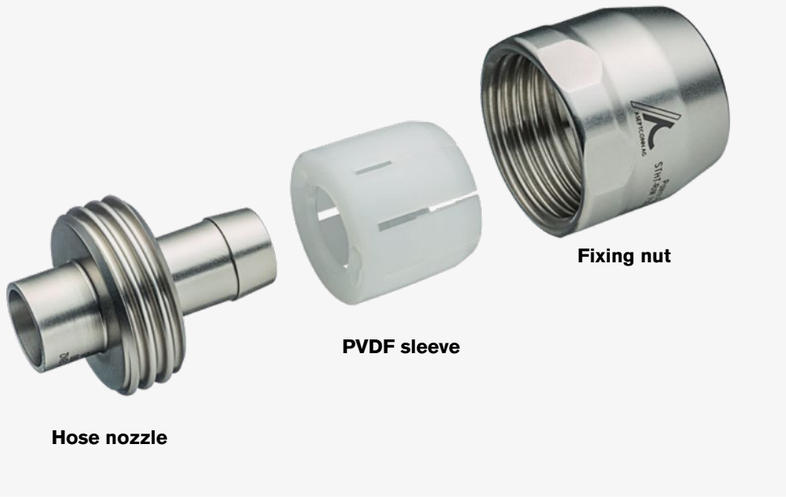
- Multiple reusable hose connection
- Tolerance adjustment by means of flexible PVDF clamping sleeve
- The PVDF clamping sleeve is attached to the stainless steel hose nozzle by means of a bayonet lock. The union nut is screwed separately from the PVDF clamping sleeve to the hose nozzle, this prevents thread blocking
- Connection can be mounted manually – no tools required
- No lubricants are required
- Complete connection unit can be autoclaved both screwed and removed
- All AseptLock® connections are supplied with material certificates
- Laser marking on all components

Notes

Subject to technical changes.

AseptLock® | Assembly instructions

AseptLock® is available with weld-on, tri-clamp ends or other connections.
Easy handling allows for a quick and clean installation.
Downtimes are thus considerably reduced.



Work procedure

Step 1

Remove fastening nut, then lead the hose through the fastening nut.
Press hose nozzle incl. PVDF sleeve as far as possible into the hose.
Do not use lubricants!

Step 2

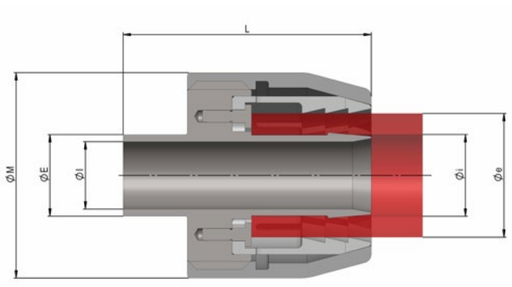
Screw the fastening nut onto the hose nozzle. Only tighten the nut by hand to avoid overtightening the PVDF sleeve.
Do not use tools!

Step 3

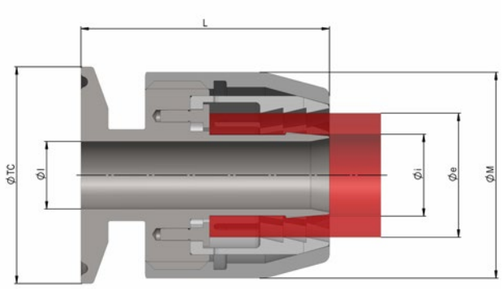
After the complete connection has been assembled, the nut can be hand-tightened again.

ASEPTLOCK® CONNECTIONS WITH WELDING ENDS – DIN11866 SERIES A (DIN 11850)

Part no.	Type	ØI	ØE	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.D-006.0250.BWE	DIN DN06	6.0	8.0	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.D-008.0250.BWE	DIN DN08	8.0	10.0	29.0	50.0			
ASLK.D-008.0375.BWE	DIN DN08	8.0	10.0	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.D-010.0375.BWE	DIN DN10	10.0	12.0	34.0	55.0			
ASLK.D-010.0500.BWE	DIN DN10	10.0	12.0	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.D-015.0500.BWE	DIN DN15	16.0	19.0	38.0	55.0			
ASLK.D-015.0750.BWE	DIN DN15	16.0	19.0	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.D-020.0750.BWE	DIN DN20	20.0	23.0	50.0	58.0			
ASLK.D-020.1000.BWE	DIN DN20	20.0	23.0	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.D-025.1000.BWE	DIN DN25	26.0	29.0	56.0	58.0			
ASLK.D-032.1250.BWE	DIN DN32	32.0	35.0	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.D-040.1500.BWE	DIN DN40	38.0	41.0	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.D-050.2000.BWE	DIN DN50	50.0	53.0	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.D-065.2500.BWE	DIN DN65	66.0	70.0	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.D-080.3000.BWE	DIN DN80	81.0	85.0	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0



AseptLock® connections with welding ends
Figure for table on page 26



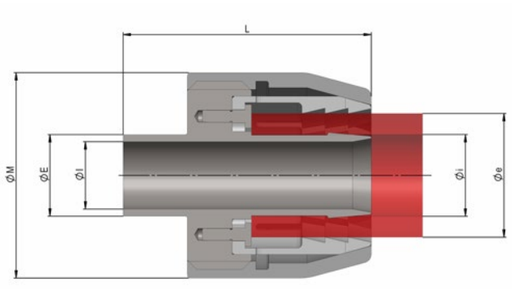
AseptLock® connections with tri-clamp ends
Figure for table on page 27

ASEPTLOCK® CONNECTIONS WITH TRI-CLAMP ENDS – TC ACCORDING TO DIN 32676 SERIES A

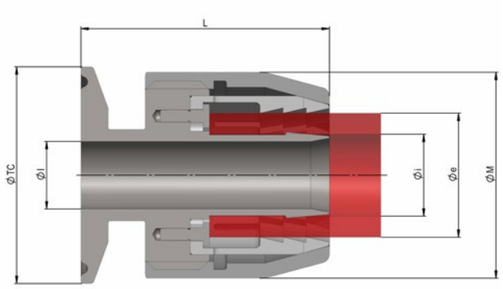
Part no.	Type	ØI	TC	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.D-006.0250.025	DIN DN06	6.0	25.0	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.D-006.0250.034	DIN DN06	6.0	34.0	29.0	50.0			
ASLK.D-006.0250.050	DIN DN06	6.0	50.5	29.0	50.0			
ASLK.D-008.0250.025	DIN DN08	8.0	25.0	29.0	50.0			
ASLK.D-008.0250.034	DIN DN08	8.0	34.0	29.0	50.0			
ASLK.D-008.0250.050	DIN DN08	8.0	50.5	29.0	50.0			
ASLK.D-008.0375.025	DIN DN08	8.0	25.0	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.D-008.0375.034	DIN DN08	8.0	34.0	34.0	55.0			
ASLK.D-008.0375.050	DIN DN08	8.0	50.5	34.0	55.0			
ASLK.D-010.0375.025	DIN DN10	10.0	25.0	34.0	55.0			
ASLK.D-010.0375.034	DIN DN10	10.0	34.0	34.0	55.0			
ASLK.D-010.0375.050	DIN DN10	10.0	50.5	34.0	55.0			
ASLK.D-010.0500.025	DIN DN10	10.0	25.0	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.D-010.0500.034	DIN DN10	10.0	34.0	38.0	55.0			
ASLK.D-010.0500.050	DIN DN10	10.0	50.5	38.0	55.0			
ASLK.D-015.0500.034	DIN DN15	16.0	34.0	38.0	55.0			
ASLK.D-015.0750.034	DIN DN15	16.0	34.0	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.D-020.0750.034	DIN DN20	20.0	34.0	50.0	58.0			
ASLK.D-020.1000.034	DIN DN20	20.0	34.0	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.D-025.1000.050	DIN DN25	26.0	50.5	56.0	58.0			
ASLK.D-032.1250.050	DIN DN32	32.0	50.5	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.D-040.1500.050	DIN DN40	38.0	50.5	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.D-050.2000.064	DIN DN50	50.0	64.0	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.D-065.2500.091	DIN DN65	66.0	91.0	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.D-080.3000.106	DIN DN80	81.0	106.0	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0

ASEPTLOCK® CONNECTIONS WITH WELDING ENDS – DIN11866 SERIES B (ISO 1127)

Part no.	Type	ØI	ØE	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.I-006.0250.BWE	ISO DN06	7.0	10.2	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.I-008.0250.BWE	ISO DN08	10.3	13.5	29.0	50.0			
ASLK.I-008.0375.BWE	ISO DN08	10.3	13.5	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.I-008.0500.BWE	ISO DN08	10.3	13.5	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.I-010.0500.BWE	ISO DN10	14.0	17.2	38.0	55.0			
ASLK.I-015.0750.BWE	ISO DN15	18.1	21.3	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.I-020.1000.BWE	ISO DN20	23.7	26.9	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.I-025.1250.BWE	ISO DN25	29.7	33.7	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.I-032.1500.BWE	ISO DN32	38.4	42.4	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.I-040.2000.BWE	ISO DN40	44.3	48.3	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.I-050.2500.BWE	ISO DN50	56.3	60.3	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.I-065.3000.BWE	ISO DN65	72.1	76.1	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0



AseptLock® connections with welding ends
Figure for table on page 28



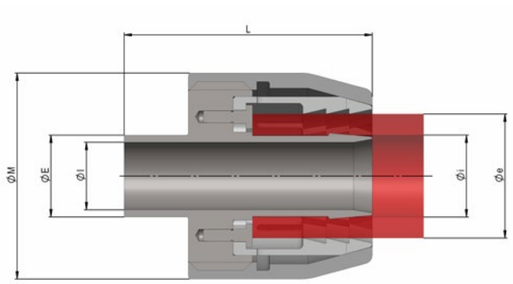
AseptLock® connections with tri-clamp ends
Figure for table on page 29

ASEPTLOCK® CONNECTIONS WITH TRI-CLAMP ENDS – TC ACCORDING TO DIN 32676 SERIES B (ISO 1127)

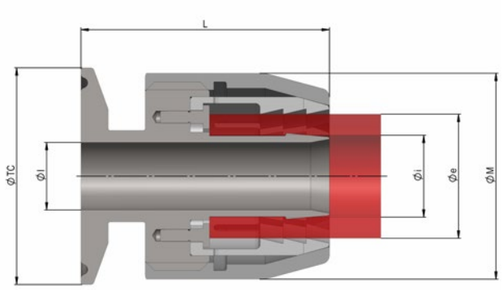
Part no.	Type	ØI	TC	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.I-006.0250.025	ISO DN06	7.0	25.0	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.I-006.0250.034	ISO DN06	7.0	34.0	29.0	50.0			
ASLK.I-006.0250.050	ISO DN06	7.0	50.5	29.0	50.0			
ASLK.I-008.0250.025	ISO DN08	10.3	25.0	29.0	50.0			
ASLK.I-008.0250.034	ISO DN08	10.3	34.0	29.0	50.0			
ASLK.I-008.0250.050	ISO DN08	10.3	50.5	29.0	50.0			
ASLK.I-008.0375.025	ISO DN08	10.3	25.0	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.I-008.0375.034	ISO DN08	10.3	34.0	34.0	55.0			
ASLK.I-008.0375.050	ISO DN08	10.3	50.5	34.0	55.0			
ASLK.I-008.0500.025	ISO DN08	10.3	25.0	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.I-008.0500.034	ISO DN08	10.3	34.0	38.0	55.0			
ASLK.I-008.0500.050	ISO DN08	10.3	50.5	38.0	55.0			
ASLK.I-010.0500.025	ISO DN10	14.0	25.0	38.0	55.0			
ASLK.I-010.0500.034	ISO DN10	14.0	34.0	38.0	55.0			
ASLK.I-010.0500.050	ISO DN10	14.0	50.5	38.0	55.0			
ASLK.I-015.0750.034	ISO DN15	18.1	34.0	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.I-015.0750.050	ISO DN15	18.1	50.5	50.0	58.0			
ASLK.I-020.1000.034	ISO DN20	23.7	34.0	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.I-020.1000.050	ISO DN20	23.7	50.5	56.0	58.0			
ASLK.I-020.1000.064	ISO DN20	23.7	64.0	56.0	58.0			
ASLK.I-025.1250.050	ISO DN25	29.7	50.5	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.I-032.1500.064	ISO DN32	38.4	64.0	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.I-040.2000.064	ISO DN40	44.3	64.0	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.I-050.2500.077	ISO DN50	56.3	77.5	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.I-065.3000.091	ISO DN65	72.1	91.0	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0

ASEPTLOCK® CONNECTIONS WITH WELDING ENDS – DIN11866 SERIES C (ASME BPE)

Part no.	Type	ØI	ØE	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.A-025.0250.BWE	1/4”	4.57	6.35	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.A-037.0250.BWE	3/8”	7.75	9.53	29.0	50.0			
ASLK.A-037.0375.BWE	3/8”	7.75	9.53	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.A-050.0375.BWE	1/2”	9.4	12.7	34.0	55.0			
ASLK.A-050.0500.BWE	1/2”	9.4	12.7	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.A-075.0500.BWE	3/4”	15.75	19.05	38.0	55.0			
ASLK.A-075.0750.BWE	3/4”	15.75	19.05	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.A-100.0750.BWE	1”	22.1	25.4	50.0	58.0			
ASLK.A-100.1000.BWE	1”	22.1	25.4	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.A-150.1250.BWE	1”1/2	34.8	38.1	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.A-150.1500.BWE	1”1/2	34.8	38.1	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.A-200.2000.BWE	2”	47.5	50.8	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.A-250.2500.BWE	2”1/2	60.2	63.5	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.A-300.3000.BWE	3”	72.9	76.2	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0



AseptLock® connections with welding ends
Figure for table on page 30



AseptLock® connections with tri-clamp ends
Figure for table on page 31

ASEPTLOCK® CONNECTIONS WITH TRI-CLAMP ENDS – DIN32676 SERIES C (ASME BPE)

Part no.	Type	ØI	TC	ØM	L	Hoses		
		[mm]	[mm]	[mm]	[mm]	STHT-R	STHT-W	AseptCor U-Series®
ASLK.A-025.0250.025	1/4”	4.57	25.0	29.0	50.0	250 Øi6.4 Øe12.2-14.2	–	–
ASLK.A-037.0250.025	3/8”	7.75	25.0	29.0	50.0			
ASLK.A-037.0375.025	3/8”	7.75	25.0	34.0	55.0	375 Øi9.5 Øe16.5-17.0	–	06 Øi9.52 Øe17.4
ASLK.A-050.0375.025	1/2”	9.4	25.0	34.0	55.0			
ASLK.A-050.0375.050	1/2”	9.4	50.5	34.0	55.0			
ASLK.A-050.0500.025	1/2”	9.4	25.0	38.0	55.0	500 Øi12.7 Øe19.5-20.5	500 Øi12.7 Øe19.5-21.3	08 Øi12.7 Øe20.3
ASLK.A-050.0500.050	1/2”	9.4	50.5	38.0	55.0			
ASLK.A-075.0500.025	3/4”	15.75	25.0	38.0	55.0			
ASLK.A-075.0500.050	3/4”	15.75	50.5	38.0	55.0			
ASLK.A-075.0750.025	3/4”	15.75	25.0	50.0	58.0	750 Øi19.1 Øe27.2-28.2	750 Øi19.1 Øe27.5-30.0	12 Øi19.05 Øe28.6
ASLK.A-075.0750.050	3/4”	15.75	50.5	50.0	58.0			
ASLK.A-100.0750.050	1”	22.1	50.5	50.0	58.0			
ASLK.A-100.1000.050	1”	22.1	50.5	56.0	58.0	1000 Øi25.4 Øe33.2-34.6	1000 Øi25.4 Øe34.5-37.0	16 Øi25.4 Øe37.0
ASLK.A-150.1250.050	1”1/2	34.8	50.5	66.0	63.0	1250 Øi31.8 Øe40.0-41.7	1250 Øi31.8 Øe39.5-42.0	20 Øi31.75 Øe41.9
ASLK.A-150.1500.050	1”1/2	34.8	50.5	74.0	63.0	–	1500 Øi38.1 Øe46.0-49.5	24 Øi38.1 Øe51.1
ASLK.A-200.2000.064	2”	47.5	64.0	92.0	95.0	–	2000 Øi50.8 Øe59.0-63.0	32 Øi50.8 Øe63.8
ASLK.A-250.2500.077	2”1/2	60.2	77.5	114.0	100.0	–	2500 Øi63.5 Øe71.0-74.5	40 Øi63.5 Øe79.5
ASLK.A-300.3000.091	3”	72.9	91.0	136.0	117.0	–	3000 Øi76.2 Øe85.0-88.3	48 Øi76.0 Øe92.0

Complementary products

Tri-clamp closure clamps

For TC sizes:

25.0 mm to 338.5 mm — *Available in various designs, depending on handling preferences or pressure conditions*

Tri-clamp gaskets

Dimensions according to standards:

DIN 32676 series A, B and C (DIN DN, ISO DN and ASME BPE)

Materials:

EPDM, Silicone, Teflon/PTFE, Teflon/PTFE sheathed with Viton filler and Viton — *Other materials on request*, *Design with or without lip*, *Also available as blind seal*

Tri-clamp hose connections

Dimensions according to standards:

TC according to DIN32676 series A, B and C — *(DIN DN, ISO DN and ASME BPE)*

Material:

1.4435BN2 (Fe < 0.5%) — *Other materials on request*

Surface:

Ra inside < 0.4 µm — *Electropolished on request*

Aseptic O-ring fitting

Dimensions according to standards:

DIN 11850 and ISO 1127

Material:

1.4435BN2 (Fe < 0.5%) — *Other materials on request*

Surface:

Ra inside < 0.4 µm — *Electropolished on request*

Hose connections according to DIN 11864

Dimensions according to standards:

DIN 11864-1 to 3, form A

Material:

1.4435BN2 (Fe < 0.5%) — *Other materials on request*

Surface:

Ra inside < 0.4 µm — *Electropolished on request*

Overmolding

Material:

Silicone

Support sleeve:

Plastic or stainless steel

Connections:

According to specification, by means of overmolding process

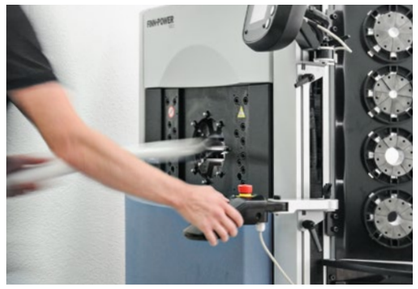
Services of Aseptconn AG

Pressure test

- On request, we can provide the respective hoses with an individual hose tag number.
- The hose assemblies are tested for pressure resistance according to the operating pressures you specify.
- The corresponding pressure test certificates are of course included in the scope of delivery.

Assembling with reusable hose fittings

- With our reusable Aseptlock® hose fittings, it is also possible to assemble hoses on site. This is useful if hose assemblies with different lengths are to be produced from one hose reel in the shortest possible time.
- In combination with our PFA hoses of the AseptCor® U-series or our silicone hoses you get a versatile, easy to handle hose system.



Assembly of hose lines

- After consultation and clarification of your needs and requirements, we assemble the right hose for you, whether crimped or with our reusable Aseptlock® hose fittings
- We pay particular attention to the suitability and quality of the individual components as well as to professional assembly.
- This has been one of our core competencies for years.

Cleaning and sterilisation

This table is based on laboratory tests. Specific operating conditions are not considered. All data specified is only to be understood as general guidelines. We recommend cleaning the hoses with hot water before using them for the first time.

Do not clean for more than 30 minutes unless otherwise specified. The life of the hose is shortened at higher temperature, pressure, duration, concentration of chemicals used and number of cleaning or sterilisation cycles. We therefore recommend that you check the hose regularly.

Cleaning agent	Hose material	Concentration	Temperature
Hot water	PTFE/PFA, silicone	-	Up to 95 °C
	TPE	-	Up to 90 °C
Steam	Silicone	-	Up to 135 °C, max. 30 minutes
	PTFE/PFA	-	Up to 130 °C, max. 30 minutes
	TPE	-	Up to 120 °C, max. 10 minutes
Caustic soda	TPE, PTFE/PFA	3%	Up to 80 °C
	Silicone	1%	Up to 80 °C
Nitric acid **Phosphoric acid** **Peracetic acid**	PTFE/PFA	3%	Up to 80 °C
	TPE	1%	Room temperature
	Silicone	0.50 %	Up to 80 °C
Chloric acid, sodium hypochlorite	PTFE/PFA	200 ppm	Up to 80 °C, max. 30 minutes
	Silicone	200 ppm	Up to 80 °C, max. 20 minutes
	TPE	200 ppm	Up to 80 °C, max. 20 minutes

Your contacts

If you have any questions, we will be happy to help you.
We will gladly present our products to you at your site.

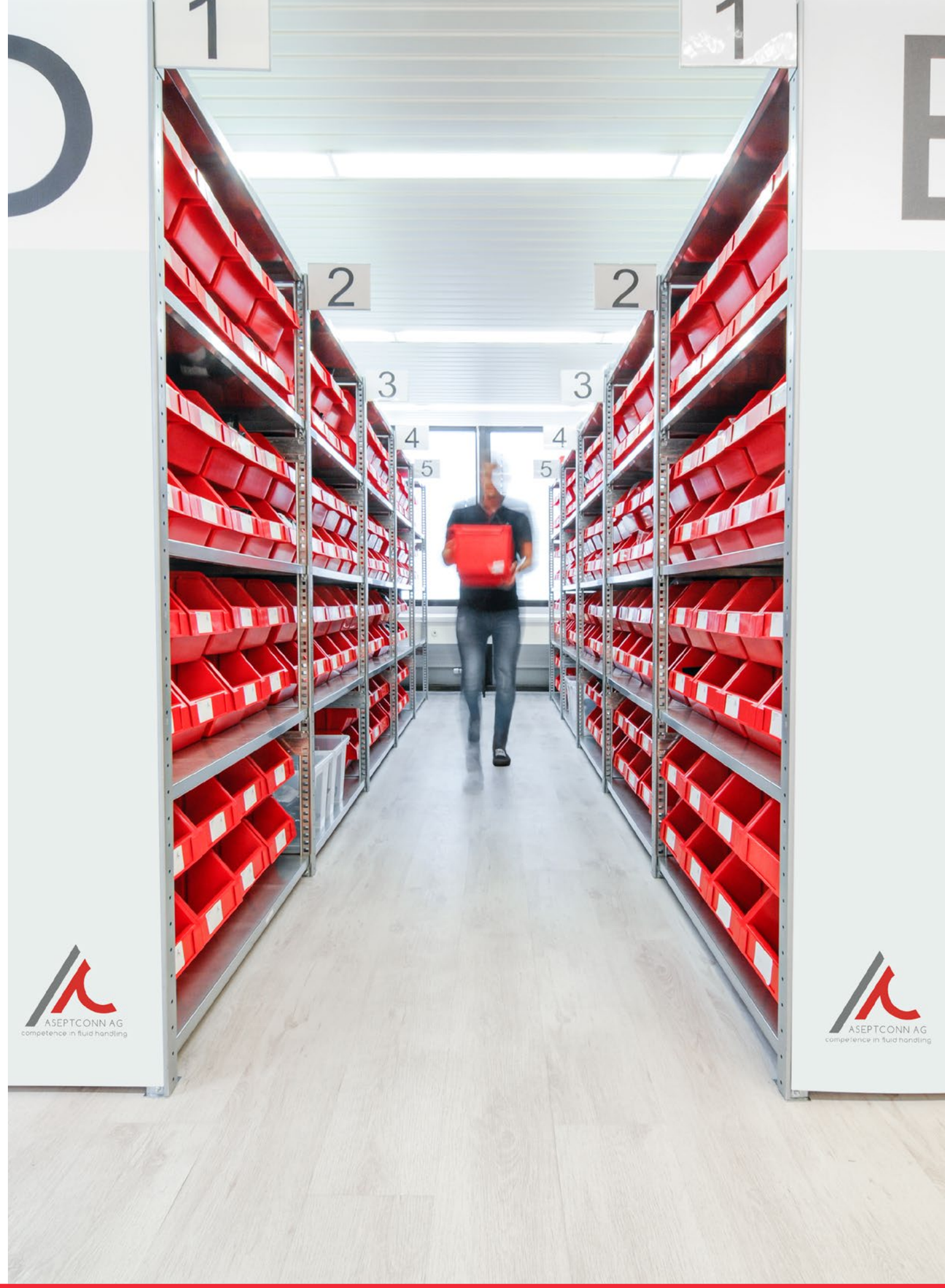
Get in contact with us!

Fabio Stiz
CEO / Owner

0041 52 725 10 12
0041 79 440 89 66 (mobile)
fabio.stiz@aseptconn.ch

Sergio Cerenzia
COO / Owner
Dipl. Ing. FH

0041 52 725 10 13
0041 76 568 54 12 (mobile)
sergio.cerenzia@aseptconn.ch



ASEPTCONN AG

competence in fluid handling

Aseptconn AG
Moosmattstrasse 24
CH-8953 Dietikon

0041 52 725 10 10
info@aseptconn.ch
www.aseptconn.ch

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