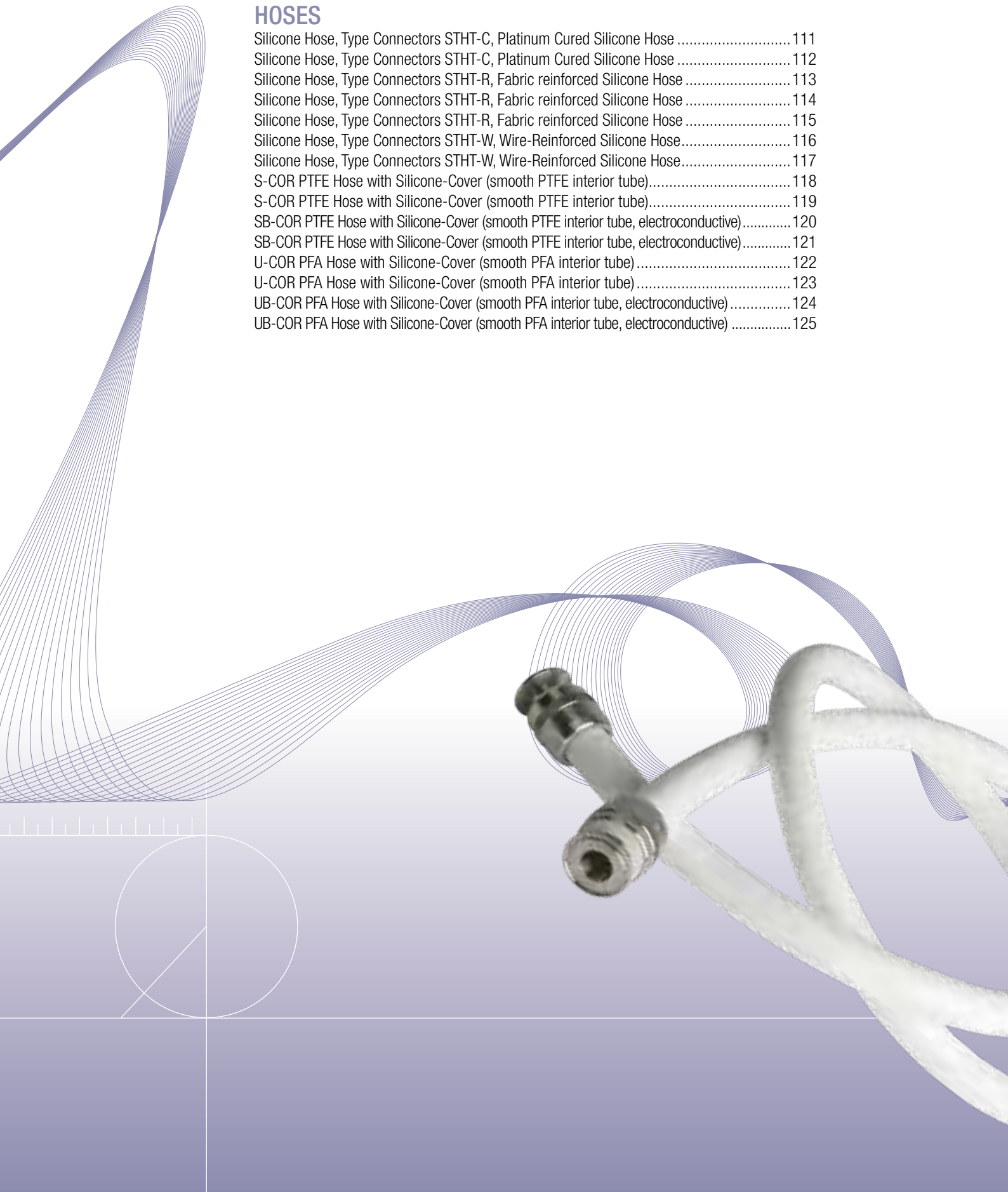




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HOSES

Silicone Hose, Type Connectors STHT-C, Platinum Cured Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-C Platinum cured silicone hose
Characteristics:	Ultra-flexible Autoclavable Hardness: 45 – 55 Shore A Ultrapure bio-pharmaceutical grade Taste- and odorless Unsurpassed surface quality Available in coils of: 7.62 m / 15.24 m / 30.48 m Further units available on request (e.g. on reel) for pressure-free and low pressure applications
Temperature range:	-62°C to max. 232°C
Applications:	Pharmaceutical processes Biotechnology Food industry Cell culture
Certificates:	FDA 21 CFR 177.2600 USDA certified suitable for food USP Class VI 3A Standard EP 3.1.9 ISO 10993
Connections:	On request, can be produced with: vulcanized non-metallic fittings

Platinum cured silicone hose, Type Connectors STHT-C

The Connectors STHT-C platinum cured silicone hose exhibits very good temperature behavior. Other properties of the Connectors STHT-C hose are its perfect flexibility and good chemical stability. The hose is naturally colored and flexible. The Connectors STHT-C hose is suitable only for pressure free or low pressure applications.



All hoses are marked on the packing units with the length, Lot-No., etc.



All hoses are marked with reference to manufacturer, type, size, Lot-No., etc



All lengths in millimeters (if not specified differently).

Connectors Verbindungstechnik AG, Zürcherstrasse 53, CH-8317 Tagelswangen, Phone: +41 (0)52 354 68 68, Telefax: +41 (0)52 354 68 60
Catalogue Sterile Components Version CS004, Printed 07/2014, Version 2. More information: www.connectors.ch or email: info@connectors.ch

HOSES

Silicone Hose, Type Connectors STHT-C, Platinum Cured Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-C Platinum cured silicone hose
Remarks:	Technical contents are subject to change

Dimensions for Connectors STHT-C Hose (Platinum Cured Silicone Hose)			
Hose Type	Connectors Item No.	ID	AD
Connectors STHT-C 012-0	601.000.012	0.30	0.61
Connectors STHT-C 030-0	601.000.030	0.75	1.70
Connectors STHT-C 040-0	601.000.040	1.00	2.20
Connectors STHT-C 058-0	601.000.058	1.50	1.90
Connectors STHT-C 062-0	601.000.062	1.60	2.40
Connectors STHT-C 062-2	601.000.062.-2	1.60	4.70
Connectors STHT-C 062-3	601.000.062.-3	1.60	6.40
Connectors STHT-C 078-0	601.000.078	1.98	3.20
Connectors STHT-C 078-2	601.000.078.-2	1.98	5.20
Connectors STHT-C 078-3	601.000.078.-3	1.98	6.70
Connectors STHT-C 093-2	601.000.093.-2	2.36	5.50
Connectors STHT-C 093-3	601.000.093.-3	2.36	7.10
Connectors STHT-C 125-2	601.000.125.-2	3.17	6.40
Connectors STHT-C 125-3	601.000.125.-3	3.17	7.90
Connectors STHT-C 125-4	601.000.125.-4	3.17	9.50
Connectors STHT-C 156-2	601.000.156.-2	3.96	7.10
Connectors STHT-C 156-3	601.000.156.-3	3.96	8.70
Connectors STHT-C 156-4	601.000.156.-4	3.96	10.30
Connectors STHT-C 187-2	601.000.187.-2	4.75	7.90
Connectors STHT-C 187-3	601.000.187.-3	4.75	9.50
Connectors STHT-C 187-4	601.000.187.-4	4.75	11.10
Connectors STHT-C 250-2	601.000.250.-2	6.35	9.50
Connectors STHT-C 250-3	601.000.250.-3	6.35	11.10
Connectors STHT-C 250-4	601.000.250.-4	6.35	12.70
Connectors STHT-C 312-2	601.000.312.-2	7.90	11.10
Connectors STHT-C 312-3	601.000.312.-3	7.90	12.70
Connectors STHT-C 312-4	601.000.312.-4	7.90	14.30
Connectors STHT-C 375-2	601.000.375.-2	9.50	12.70
Connectors STHT-C 375-3	601.000.375.-3	9.50	14.30
Connectors STHT-C 375-4	601.000.375.-4	9.50	15.90
Connectors STHT-C 375-5	601.000.375.-5	9.50	19.10

Dimensions for Connectors STHT-C Hose (Platinum Cured Silicone Hose)			
Hose Type	Connectors Item No.	ID	AD
Connectors STHT-C 500-2	601.000.500.-2	12.70	15.90
Connectors STHT-C 500-3	601.000.500.-3	12.70	17.40
Connectors STHT-C 500-4	601.000.500.-4	12.70	19.10
Connectors STHT-C 500-5	601.000.500.-5	12.70	22.20
Connectors STHT-C 625-2	601.000.625.-2	15.90	19.10
Connectors STHT-C 625-3	601.000.625.-3	15.90	20.60
Connectors STHT-C 625-4	601.000.625.-4	15.90	22.20
Connectors STHT-C 750-2	601.000.750.-2	19.10	22.20
Connectors STHT-C 750-3	601.000.750.-3	19.10	23.80
Connectors STHT-C 750-4	601.000.750.-4	19.10	25.40
Connectors STHT-C 750-5	601.000.750.-5	19.10	28.60
Connectors STHT-C 875-2	601.000.875.-2	22.20	25.40
Connectors STHT-C 875-3	601.000.875.-3	22.20	27.00
Connectors STHT-C 875-4	601.000.875.-4	22.20	28.60
Connectors STHT-C 1000-2	601.001.000.-2	25.40	28.60
Connectors STHT-C 1000-3	601.001.000.-3	25.40	30.10
Connectors STHT-C 1000-4	601.001.000.-4	25.40	31.80
Connectors STHT-C 1000-5	601.001.000.-5	25.40	34.90
Connectors STHT-C 1000-6	601.001.000.-6	25.40	38.10
More dimensions			
Please consult us for other dimensions.			


HOSES

Silicone Hose, Type Connectors STHT-R, Fabric reinforced Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-R Fabric reinforced Silicone Hose
Benets:	Flexible Sterilizable, Autoclavable, Extremely Durable Hardness: 60 – 70 Shore A Taste- and odorless Product Code Marking High Pressure Rating
Remarks:	Technical contents are subject to change

Connectors STHT-R Fabric reinforced Silicone Hose

Connectors material reinforced STHT-R exhibits very good temperature behaviour. The inliner is made exclusively from platinum catalyzed silicone. Continuous extrusion of the inliner allows a smooth internal surface and the most optimum cleaning and sterilization results. The material reinforcement was developed for increased system pressures. Other properties of the connector STHT-R silicone hose are ist flawless exibility and good chemical resistance.



Fabric-Reinforced for pressure applications.

Connectors STHT-R Hose Inventory Sizes
* C/F: consult factory

Hose Type	Connectors Item No.	ID	ID Tol.	OD	Recommended Working pressure at 20°C bar g	Minimum Burst pressure at 20°C	Minimum Bending radius	Weight per kg/m
Connectors STHT-R 0125	602.000.125	3.2	+/- 0.3	8.2 - 8.8	11.8	48.3	*C/F	*C/F
Connectors STHT-R 0187	602.000.187	4.8	+/- 0.3	9.8 - 10.4	11.0	44.8	*C/F	*C/F
Connectors STHT-R 0250	602.000.250	6.4	+/- 0.3	12.2 - 14.2	10.4	43.1	26.0	0.12
Connectors STHT-R 0375	602.000.375	9.5	+/- 0.3	16.5 - 17.0	9.3	37.9	53.0	0.20
Connectors STHT-R 0375HW	602.000.375.HW	9.5	+/- 0.3	17.0 - 18.0	9.3	37.9	53.0	0.20
Connectors STHT-R 0500	602.000.500	12.7	+/- 0.5	19.5 - 20.5	8.3	34.5	77.0	0.23
Connectors STHT-R 0625	602.000.625	15.9	+/- 0.5	24.0 - 25.0	6.9	28.9	102.0	0.33
Connectors STHT-R 0750	602.000.750	19.1	+/- 0.5	27.2 - 28.2	6.2	24.1	102.0	0.40
Connectors STHT-R 1000	602.001.000	25.4	+/- 0.5	33.2 - 34.6	4.8	15.1	150.0	0.50
Connectors STHT-R 1250	602.001.250	31.8	+/- 0.5	40.0 - 41.7	3.1	8.9	180.0	0.60

Pressure/limit rates can be limited by end connections.

All lengths in millimeters (if not specified differently).

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HOSES

Silicone Hose, Type Connectors STHT-R, Fabric reinforced Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-R Fabric reinforced Silicone Hose

Technical characteristics:

Connections:	Upon request, can be produced with: <ul style="list-style-type: none">• vulcanized, non-metallic fittings• pressed, metallic connections• Connlock MR-DN (reusable connections)
Temperature range:	Maximum temperature depends on the fabric used -62°C to 177°C for Polyester higher temperatures upon request
Fabric material:	Polyester
Available lengths:	available in coils of 7.62m (25 feet) - tolerances 0 + 50mm available in coils of 15.24m (50 feet) - tolerances 0 + 50mm available in coils of 30.48m (100 feet) - tolerances 0 + 50mm
Burst pressure in relation to the temperature:	The bursting pressure of the Connector STHT-R hose is reduced by around 20% per temperature increase of 93°C until the maximum hose temperature is reached. The reduction is linear.
Characteristics	The bio-compatibility of Connectors STHT platinum-cured silicone hose, manufactured with only PLATINUM CURED SILICONE MATERIALS, has been tested and complies with the parameters set forth in the following test protocols: <ul style="list-style-type: none">• Meets or Exceeds FDA, USDA regulations CFR 177.2600 for contact with food• Meets or Exceeds European Pharmacopoeia 3.1.9, Current revision• ISO 10993• Meets or Exceeds USP Class VI certification• USDA and 3A accepted

HOSES

Silicone Hose, Type Connectors STHT-R, Fabric reinforced Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-R Fabric reinforced Silicone Hose

Technical characteristics:

Marking:	All hoses are marked according to CVAG_APN_0001.0 with the following: <ul style="list-style-type: none">• Supplier• Hose type and size• Lot No• Norms• Production date
Physical Properties:	According CVAG_FGS_0001.0
Sterilization Methods:	Autoclavable Gas - Ethylene Oxide Radiation - up to 2.5 Mrad (25 Kilogray) Inline sterilizable (steam)

Perfect connections: CONNLOCK the suitable hose coupling for the Connectors STHT-T and STHT-W Hoses

CONNLOCK® is an absolutely high-quality, re-usable quick coupling connector, which is developed for the highest demands of the pharmaceutical and biochemical industry. CONNLOCK® is available in dimensions from DN6 to DN65 as "Buttend-Weld" version, with Tri-Clamp Ends or customized connections. The quick coupling is made from the material 1.4435 Bn2 and the collet from autoclavable PVDF.

The PVDF collet permits for the complete unit to adjust to different wall thicknesses of the silicone hoses, without affecting the pressure rating. Please also check the chapter 8 for further information on CONNLOCK® and the selection list for the suitable hoses.



Traceability of the materials

The PVDF collet is laser-marked with the suitable hose-type and drawing-number of screw-connection.



All lengths in millimeters (if not specified differently).

Connectors Verbindungstechnik AG, Zürcherstrasse 53, CH-8317 Tagelswangen, Phone: +41 (0)52 354 68 68, Telefax: +41 (0)52 354 68 60
Catalogue Sterile Components Version CS004, Printed 07/2014, Version 2. More information: www.connectors.ch or email: info@connectors.ch

HOSES

Silicone Hose, Type Connectors STHT-W, Wire-Reinforced Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-W Wire-Reinforced Silicone Hose
Benets:	Flexible Sterilizable, Autoclavable Hardness: 60 – 70 Shore A Taste- and odorless Product Code Marking High Pressure and Vacuum Resistance Extremely Resistant
Connections:	On request, can be produced with: Vulcanized, Non-Metallic Fittings, Pressed, Metallic Connections Connlock MR-DN (Reusable Connections)
Remarks:	Technical contents are subject to change

Connectors STHT-W Wire-Reinforced Silicone Hose

Connectors material reinforced STHT-R exhibits very good temperature behaviour. The inliner is created exclusively from platinum catalyzed silicone. Continuous extrusion of the inliner allows a smooth internal surface and the most optimum cleaning and sterilization results. The material reinforcement was developed for increased system pressures. Other properties of the connector STHT-R silicone hose are flawless flexibility and good chemical resistance.



With Stainless Steel wire and multiple ply for higher pressure and vacuum applications.

Connectors STHT-W Hose Inventory Sizes

* C/F: consult factory

Hose Type	Connectors Item No.	ID	ID Tol.	OD Range	Recommended Working pressure at 20°C (bar g)	Minimum Burst pressure at 20°C (bar g)	Minimum Bending radius	Weight per kg/m	Vacuum-rating (bar)
Connectors STHT-W 0500	603.000.500	12.7	+/- 0.2	19.5 - 21.3	10.3	34.5	77.0	0.5	-0.99
Connectors STHT-W 0750	603.000.750	19.1	+/- 0.3	27.5 - 30.0	8.6	34.5	102.0	0.6	-0.99
Connectors STHT-W 1000	603.001.000	25.4	+/- 0.3	34.5 - 37.0	8.6	34.5	153.0	0.7	-0.99
Connectors STHT-W 1250	603.001.250	31.8	+/- 0.3	39.5 - 42.0	8.6	34.5	193.0	1.4	-0.99
Connectors STHT-W 1500	603.001.500	38.1	+/- 0.3	46.0 - 49.5	8.6	34.5	203.0	1.5	-0.99
Connectors STHT-W 2000	603.002.000	50.8	+/- 0.5	59.0 - 63.0	6.9	24.1	203.0	1.6	-0.99
Connectors STHT-W 2500	603.002.500	63.5	+/- 0.5	71.0 - 74.5	5.2	24.1	228.6	1.7	-0.99
Connectors STHT-W 3000	603.003.000	76.2	+/- 0.5	85.0 - 88.3	5.2	24.1	254.0	2.1	-0.99
Connectors STHT-W 4000	603.004.000	101.6	+/- 0.5	107.8 - 110.7	*C/F	*C/F	*C/F	*C/F	*C/F

Pressure/limit rates can be limited by end connections.

HOSES

Silicone Hose, Type Connectors STHT-W, Wire-Reinforced Silicone Hose

Product group:	Hoses
Description:	Silicone Hose, Type Connectors STHT-W Wire-Reinforced Silicone Hose

Technical characteristics:	
Temperature range:	Maximum temperature depends on the fabric used. -62°C to 177°C for Polyester - higher temperatures upon request
Braid material:	Polyester all sizes are covered with 4 ply reinforcement. The Connectors STHT-W 0500 is only 2 ply.
Wire spiral	Wire spiral made of AISI 316
Available lengths:	Available in rods of 3.66 m (tolerances 0 + 50 mm) Available in rods of 7.32 m (tolerances 0 + 50 mm)
Burst pressure in relation to the temperature:	The bursting pressure is reduced by around 10% per temperature increase of 93°C until the maximum hose temperature is reached. The reduction is linear.
Characterization	The bio-compatibility of Connectors STHT platinum-cured silicone hose, manufactured with only PLATINUM CURED SILICONE MATERIALS, has been tested and complies with the parameters set forth in the following test protocols: <ul style="list-style-type: none">• Meets or Exceeds FDA, USDA regulations CFR 177.2600 for contact with food• Meets or Exceeds European Pharmacopoeia 3.1.9, Current revision• ISO 10993• Meets or Exceeds USP Class VI certification• USDA and 3A accepted
Marking:	All hoses are marked according to CVAG_APN_0001.0 with the following: <ul style="list-style-type: none">• Supplier• Hose type and size• Lot No• Norms• Production date
Physical Properties:	According CVAG_FGS_0001.0
Sterilization Methods:	Autoclavable Gas - Ethylene Oxide Radiation - up to 2.5 Mrad (25 Kilogray) Inline sterilizable (steam)

All lengths in millimeters (if not specified differently).

HOSES

S-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube)

Product group:	Hoses
Description:	S-COR PTFE Hose with Silicone-Cover (smooth PTFE Interior core)
Remarks:	Technical contents are subject to change

S-COR PTFE Hose with smooth inner core for the highest demands

The S-COR PTFE hose has excellent chemical resistance. The inliner is made exclusively of Dupont T-62 - PTFE and is free of softeners, supplementary materials and stabilisers. The continuous extrusion of the inliner guarantees a smooth interior surface and optimum sterilization results.



Technical data for S-COR PTFE hose

Hose-Type	Connectors Item No.	Interior diameter	Exterior diameter	Minimum bending radius	Operating pressure at 20°C	Bursting pressure at 20°C	Temperature range °C	Hose weight kg/m
S-COR 04	604.100.250	6.4	14.0	31.8	241.0	964	-53 to 230	0.28
S-COR 06	604.100.375	9.6	18.0	44.4	206.0	826	-53 to 230	0.37
S-COR 08	604.100.500	12.7	21.8	63.5	124.0	496	-53 to 230	0.51
S-COR 12	604.100.750	19.0	28.4	88.9	86.1	344	-53 to 230	0.70
S-COR 16	604.101.000	25.4	39.4	140.0	68.9	275	-53 to 230	2.70

Pressure/limit rates can be limited by end connections.

Pressure and temperature rates

Hose-Type	S-COR 04	S-COR 06	S-COR 08	S-COR 12	S-COR 16
Temperature, °C	Operating pressure, bar				
-53 to 37	241	206	124	86.1	68.9
93	241	182	124	86.1	68.9
148	236	172	124	86.1	68.9
204	228	171	124	86.1	68.9
230	228	159	124	75.7	68.9

HOSES

S-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube)

Product group:

Hoses

Description:

S-COR PTFE Hose with Silicone-Cover (smooth PTFE Interior core)

Characteristics of S-COR PTFE Hose with Silicone-Cover

Characterization:

- Highly pure: Ideal for demanding analytic sampling and production processes. Guaranteed taste, odor and color neutral. Maximum resistance against chemicals with highest compatibility.
- Absorption resistant: The special PTFE surface minimizes the absorption of materials such as color extracts, essential oils and proteins. The hose does not discolor. Humidity absorption <0.01%, corrosion resistant and non oxidizing.
- Temperature-resistant: For temperature ranges from -62°C to +232°C. Autoclavable multiple times; ideal for steam or applications with hot oil. Also suitable for sterilization by means of UV-RADIATION or other methods.
- Perfect surface: Maximum flow rates. Ideal for adhesive and viscous liquids. Simple and reliable cleaning.
- Chemically inert: recognised as the most chemically inert material. Absolutely corrosion resistant and non oxidizing.
- Age resistant: irrespective of time, weather or UV-RADIATION. Does not age during use.
- Frictionless inside and outside: High-quality finished braiding. Smooth for walls and equipment. Frictionless connections/fittings. Smooth and clean, temperature resistant covering.
- Completely vacuum and high pressure suitable: Absolutely safe. Highest level of pliancy without kink remaining. Constant flow rates also with bent S-COR hoses.
- With ATEX permit for zone 1 (interior)

Connections:

- Crimped with Tri-Clamp Ends
- Crimped with customized Connections

Applications:

- Pharmaceutical processes
- Biotechnology
- Food industry
- Cell culture

Certificates:

- USP Class VI
- 3A Standard
- FDA 21 CFR 177.1550
- USDA food-suited

Crimped with Tri-Clamp Ends, Screw Flanges or customized connections.



All lengths in millimeters (if not specified differently).

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HOSES

SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electroconductive)

Product group:	Hoses
Description:	SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electroconductive)
Remarks:	Technical contents are subject to change

SB-COR PTFE hose with smooth interior tube (electrically conducting) for the highest demands

The SB-COR PTFE hose has excellent chemical resistance and excellent electrical conductivity. The inliner is made exclusively of PTFE which is covered with black graphite. The black graphite meets the requirements of the FDA 21CFR 178.3297 standard. Continuous extrusion of the inliners ensures a smooth interior surface and optimum sterilization results.



Technical data for S-COR PTFE hose

Hose-Type	Connectors Item No.	Interior diameter	Exterior diameter	Minimum bending radius	Operating pressure at 20°C	Bursting pressure at 20°C	Temperature range °C	Hose weight kg/m
SB-COR 04	604.200.250	6.4	14.0	31.8	241	964	-53 to 230	0.28
SB-COR 06	604.200.375	9.6	18.0	44.4	206	826	-53 to 230	0.37
SB-COR 08	604.200.500	12.7	21.8	63.5	124	496	-53 to 230	0.51
SB-COR 12	604.200.750	19.0	28.4	88.9	86.1	344	-53 to 230	0.70
SB-COR 16	604.201.000	25.4	39.4	140.0	68.9	275	-53 to 230	2.70

Pressure/ temperature rates can be limited by end connections.

Pressure and temperature rates

Hose-Type	SB-COR 04	SB-COR 06	SB-COR 08	SB-COR 12	SB-COR 16
Temperature, °C	Operating pressure, bar				
-53 to 37	241	206	124	86.1	68.9
93	241	182	124	86.1	68.9
148	236	172	124	86.1	68.9
204	228	171	124	86.1	68.9
230	228	159	124	75.7	68.9

HOSES

SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electroconductive)

Product group:

Hoses

Description:

SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electroconductive)

SB-COR PTFE Hose with Silicone-Cover

Characterization:

- Highly pure: Ideal for demanding analytic sampling and production processes. Guaranteed taste, odor and color neutral. Maximum resistance against chemicals with highest compatibility.
- Electrically conducting: for applications where electrostatic charges inside the hose must be avoided.
- With ATEX permit for zone 0 (interior)
- Absorption resistant: The special PTFE surface minimizes the absorption of materials such as color excerpts, essential oils and proteins. The hose does not discolor. Humidity absorption <0.01%, corrosion resistant and non oxidizing.
- Temperature-resistant: For temperature ranges from -53°C to +230°C. Autoclavable multiple times; ideal for steam or applications with hot oil. Also suitable for sterilization by means of UV-RADIATION or other methods.
- Perfect surface: Maximum flow rates. Ideal for adhesive and viscous liquids. Simple and reliable cleaning.
- Chemically inert: recognised as the most chemically inert material. Absolutely corrosion resistant and non oxidizing.
- Age resistant: irrespective of time, weather or UV-RADIATION. Does not age during use.
- Frictionless inside and outside: High-quality finished braiding. Smooth for walls and equipment. Frictionless connections/fittings. Smooth and clean, temperature resistant covering.
- Completely vacuum and high pressure suitable: Absolutely safe. Highest level of pliancy without kink remaining. Constant flow rates also with bent SB-COR hoses.

Connections:

- Crimped with Tri-Clamp Ends
- Crimped with customized Connections

Applications:

- Pharmaceutical processes
- Biotechnology
- Food industry
- Cell culture

Certificates:

- USP Class VI
- 3A Standard
- FDA 21 CFR 177.1550
- USDA food-suited

– Various Connection-Types available.
– Customized Connectors on request



All lengths in millimeters (if not specified differently).

Connectors Verbindungstechnik AG, Zürcherstrasse 53, CH-8317 Tagelswangen, Phone: +41 (0)52 354 68 68, Telefax: +41 (0)52 354 68 60
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HOSES

U-COR PFA Hose with Silicone-Cover (smooth PFA interior tube)


Product group: Hoses

Description: U-COR PFA hose with Silicone-Cover (smooth PFA interior tube)

Remarks: Technical contents are subject to change

U-COR PFA hose with smooth interior tube for the highest demands

The U-COR PFA hose has excellent chemical resistance. The inliner is made exclusively from PFA and is free of softeners, additives, and stabilizers. The continuous extrusion of the inliner ensures a smooth internal surface and optimum sterilization results.



U-COR Teflon®Tube is approved

- US Pharmacopoeia Class VI
- Food and Drug Administration (FDA)
- 21CFR177.1550
- 3A Sanitary Standard
- USDA Approved

Technical data for S-COR PTFE hose

Hose-Type	Connectors Item No.	Interior diameter	Exterior diameter	Minimum bending radius	Operating pressure at 20°C	Bursting pressure at 20°C	Temperature range °C	Hose weight kg/m
U-COR 08	604.400.500	12.70	20.3	38.1	20.6	82.6	-53 to 230	0.30
U-COR 12	604.400.750	19.05	28.6	63.5	20.6	82.6	-53 to 230	0.57
U-COR 16	604.401.000	25.40	37.0	102.0	17.2	68.9	-53 to 230	0.94
U-COR 20	604.401.250	31.75	40.5	177.8	13.8	55.1	-53 to 230	1.30
U-COR 24	604.401.500	38.10	51.1	178.0	13.7	55.1	-53 to 230	1.30
U-COR 32	604.402.000	50.80	63.8	178.0	10.3	41.3	-53 to 230	1.90

Pressure/Temperature rates can be limited by end connections.

Pressure and temperature rates					
Hose-Type	U-COR 08	U-COR 12	U-COR 16	U-COR 24	U-COR 32
Temperature, °C	Operating pressure, bar				
-53	13.7	7.9	17.2	13.7	10.3
-17 to 37	20.6	20.6	17.2	13.7	10.3
93	19.2	20.6	17.2	13.7	10.3
148	14.4	18.6	15.8	13.7	10.3
204	11.0	13.4	12.0	13.7	10.3
230	9.6	10.3	10.3	13.0	10.3

HOSES

U-COR PFA Hose with Silicone-Cover (smooth PFA interior tube)

Product group:

Hoses

Description:

U-COR PFA hose with silicone sheathing (smooth PFA interior tube)

Characteristics of the U-COR PFA hose

Characterization:

- Highly pure: Ideal for demanding analytic sampling and production processes. Guaranteed taste, odor and color neutral. Maximum resistance against chemicals with highest compatibility.
- Absorption resistant: The special PTFE surface minimizes the absorption of materials such as color excerpts, essential oils and proteins. The hose does not discolour. Humidity absorption <0.01%, corrosion resistant and non oxidizing.
- Temperature-resistant: For temperature ranges from -53°C to +230°C. Autoclavable multiple times; ideal for steam or applications with hot oil. Also suitable for sterilization by means of UV-RADIATION or other methods.
- Perfect surface: Maximum flow rates. Ideal for adhesive and viscose rayon liquids. Simple and reliable cleaning.
- Chemically inert: recognised as the most chemically inert material. Absolutely corrosion resistant and non oxidizing.
- Age resistant: irrespective of time, weather or UV-RADIATION. Does not age during use.
- Frictionless inside and outside: High-quality finished braiding. Smooth for walls and equipment. Frictionless connections/fittings. Smooth and clean, temperature resistant covering.
- Completely vacuum and high pressure suitable: Absolutely safe. Highest level of pliancy without kink remaining. Constant flow rates also with bent SB-COR hoses.
- With ATEX permit for zone 1 (interior)

Connections:

- Crimped with tri-clamp ends
- Crimped with customized connections
- Connlock MR-DN (reusable connections)

Applications:

- Pharmaceutical processes
- Biotechnology
- Food industry
- Cell culture

Certificates:

- USP Class VI
- 3A Standard
- FDA 21 CFR 177.1550
- USDA food-suited


HOSES

UB-COR PFA Hose with Silicone-Cover (smooth PFA interior tube, electroconductive)

Product group:	Hoses
Description:	UB-COR PFA hose with silicone sheathing (smooth PFA interior tube, electroconductive)
Remarks:	Technical contents are subject to change

UB-COR PFA Hose with smooth interior tube (electroconductive) for the highest demands

The UB-COR PFA hose has excellent chemical resistance. The inliner is made exclusively of PFA and is free of softeners, additives and stabilizers. The black graphite meets the requirements of the FDA 21CFR 178.3297 standard. The continuous extrusion of the inliner guarantees a smooth interior surface and optimum sterilization results.



UB-COR Teflon®Tube is approved

- Food and Drug Administration (FDA)
- 21CFR177.1550 (PTFE)
- 21CFR178.3297 (Graphit)
- 3A Sanitary Standard
- USDA Approved

Technical data for UB-COR PFA hose

Hose-Type	Connectors Item No.	Interior diameter	Exterior diameter	Minimum bending radius	Operating pressure at 20°C	Bursting pressure at 20°C	Temperature range °C	Hose weight kg/m
UB-COR 08*	604.500.500	12.7	20.3	38.1	20.6	82.6	-53 to 230	0.30
UB-COR 12*	604.500.750	19.0	28.6	63.5	20.6	82.6	-53 to 230	0.57
UB-COR 16	604.501.000	25.4	37.0	102.0	17.2	68.9	-53 to 230	0.94
UB-COR 24	604.501.500	38.1	51.1	178.0	13.7	55.1	-53 to 230	1.30
UB-COR 32	604.502.000	50.8	63.8	178.0	10.3	41.3	-53 to 230	1.90

Pressure/Temperature rates can be limited by the end connections.

*consult factory

Pressure and temperature rates					
Hose-Type	UB-COR 08	UB-COR 12	UB-COR 16	UB-COR 24	UB-COR32
Temperature, °C	Operating pressure, bar				
-53	13.7	7.9	17.2	13.7	10.3
-17 to 37	20.6	20.6	17.2	13.7	10.3
93	19.2	20.6	17.2	13.7	10.3
148	14.4	18.6	15.8	13.7	10.3
204	11.0	13.4	12.0	13.7	10.3
230	9.6	10.3	10.3	13.0	10.3

HOSES

UB-COR PFA Hose with Silicone-Cover (smooth PFA interior tube, electroconductive)

Product group:

Hoses

Description:

UB-COR PFA hose with silicone sheathing (smooth PTFE interior tube, electroconductive)

Characteristics of the UB-COR PFA hose

Characterization:

- Highly pure: Ideal for demanding analytic sampling and production processes. Guaranteed taste, odor and color neutral. Maximum resistance against chemicals with highest compatibility.
- Electrically conducting: for applications where electrostatic charges must be avoided in the hose interior.
- With ATEX permit for zone 0 (interior)
- Absorption resistant: The special PTFE surface minimizes the absorption of materials such as color extracts, essential oils and proteins. The hose does not discolor. Humidity absorption <0.01%, corrosion resistant and non oxidizing.
- Temperature-resistant: For temperature ranges from -53°C to +230°C. Autoclavable multiple times; ideal for steam or applications with hot oil. Also suitable for sterilization by means of UV-RADIATION or other methods.
- Perfect surface: Maximum flow rates. Ideal for adhesive and viscous liquids. Simple and reliable cleaning.
- Chemically inert: recognised as the most chemically inert material. Absolutely corrosion resistant and not oxidizing.
- Age resistant: irrespective of time, weather or UV-RADIATION. Does not age during the use.
- Frictionless inside and outside: High-quality finished braiding. Smooth for walls and equipment. Frictionless connections/fittings. Smooth and clean, temperature resistant covering.
- Completely vacuum and high pressure suitable: Absolutely safe. Highest level of pliancy without kink remaining. Constant flow rates also with bent SB-COR hoses.

Connections:

- Crimped with Tri-Clamp ends
- Crimped with customized connections

Applications:

- Pharmaceutical processes
- Biotechnology
- Food industry
- Cell culture

Certificates:

- USP Class VI
- 3A Standard
- FDA 21 CFR 177.1550
- USDA food-suited

All lengths in millimeters (if not specified differently).

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