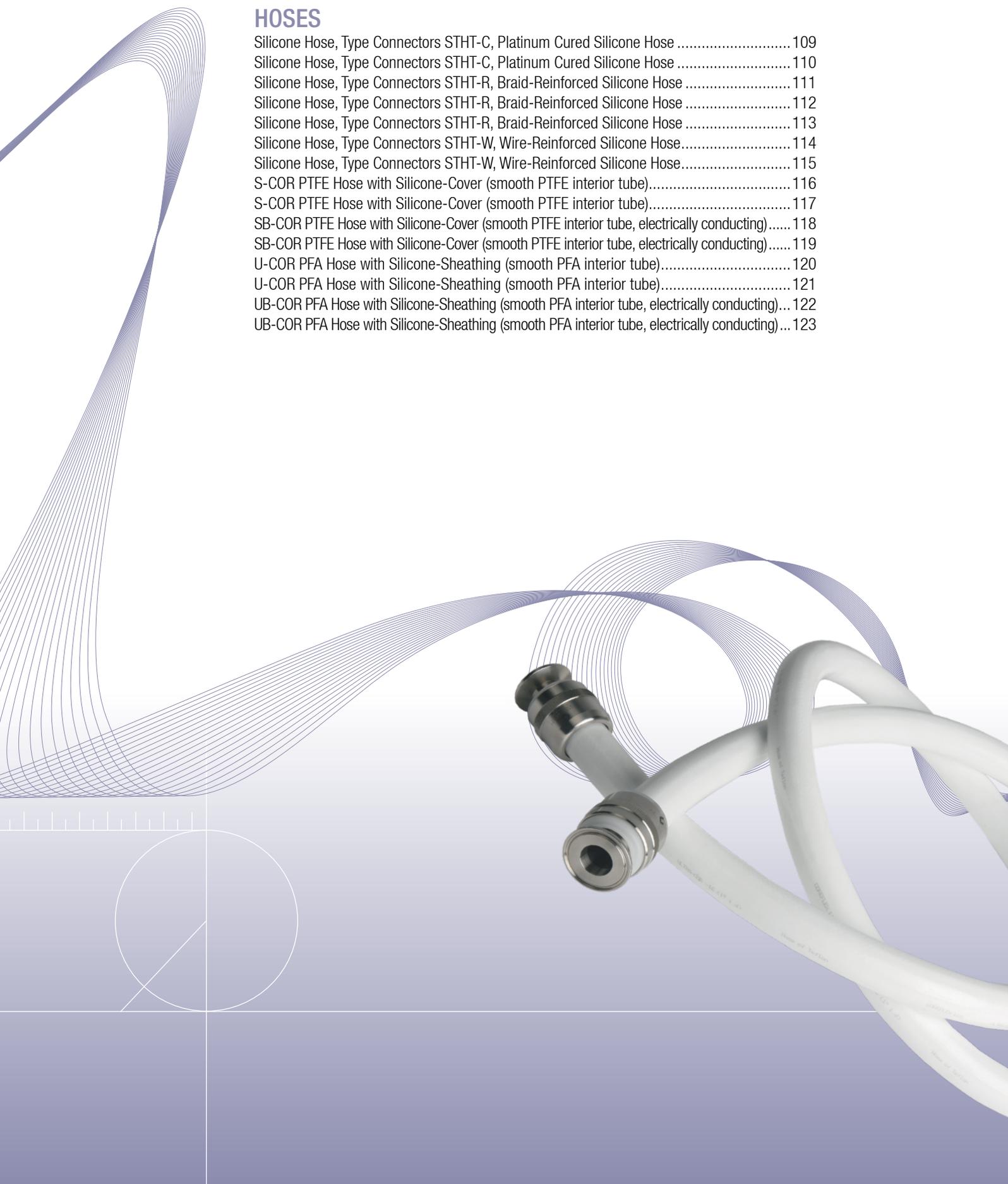




HOSES

Silicone Hose, Type Connectors STHT-C, Platinum Cured Silicone Hose	109
Silicone Hose, Type Connectors STHT-C, Platinum Cured Silicone Hose	110
Silicone Hose, Type Connectors STHT-R, Braid-Reinforced Silicone Hose	111
Silicone Hose, Type Connectors STHT-R, Braid-Reinforced Silicone Hose	112
Silicone Hose, Type Connectors STHT-R, Braid-Reinforced Silicone Hose	113
Silicone Hose, Type Connectors STHT-W, Wire-Reinforced Silicone Hose.....	114
Silicone Hose, Type Connectors STHT-W, Wire-Reinforced Silicone Hose.....	115
S-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube).....	116
S-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube).....	117
SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electrically conducting).....	118
SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electrically conducting).....	119
U-COR PFA Hose with Silicone-Sheathing (smooth PFA interior tube).....	120
U-COR PFA Hose with Silicone-Sheathing (smooth PFA interior tube).....	121
UB-COR PFA Hose with Silicone-Sheathing (smooth PFA interior tube, electrically conducting)...	122
UB-COR PFA Hose with Silicone-Sheathing (smooth PFA interior tube, electrically conducting)...	123



HOSES

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

Product group:	Hoses
Title:	Silicone Hose, Type Connectors STHT-C Platinum cured silicone hose
Charakteristiken:	<ul style="list-style-type: none">• ultra-flexible• autoclavable• Ultrapure bio-pharmaceutical grade• taste- and odorless• Unsurpassed surface quality• Available in roles of: 7.62 m / 15.24 m / 30.48 m further units on request available (e.g. on coil)• for pressure-free and pressure-poor applications
Temperature range:	<ul style="list-style-type: none">• -62°C to max. 232°C
Applications:	<ul style="list-style-type: none">• Pharmaceutical processes• Biotechnology• Food industry• Cell culture
Certificates:	<ul style="list-style-type: none">• FDA 21 CFR 177.2600• USDA certified suitable for food• USP Class VI• 3A Standard• EP 3.1.9• ISO 10993
Connections:	When desired manufacturable with: <ul style="list-style-type: none">• vulcanized non-metallic fittings

Platinum cured silicone hose, Type Connectors STHT-C

The Connectors STHT-C platinum cured silicone hose exhibits a very good temperature behavior. Other characteristics of the Connectors STHT-C hose are its perfect form flexibility and the good chemical stability. The hose is natural colored and flexible (45 - 55 shores). The Connectors STHT-C hose is suitable only for pressure free or pressure poor 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.



HOSES

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

Product group:

Hoses

Title:

Silicone Hose, Type Connectors STHT-C
Platinum cured silicone hose

Dimensions for Connectors STHT-C Hose (Platinum Cured Silicone Hose)			
Hose Type	Connectors Item-Number	ID (mm)	AD (mm)
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 Number	ID (mm)	AD (mm)
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, Braid-Reinforced Silicone Hose

- Product group:** Hoses
- Title:** Silicone Hose, Type Connectors STHT-R
Braid-Reinforced Silicone Hose
- Benefits:**
- flexible
 - Sterilizable, Autoclavable, Extremely durable
 - Imparts no taste or Odors
 - Product Code marking
 - High pressure rating

Connectors STHT-R Braid-Reinforced Silicone Hose								
Connectors material reinforced STHT-R has a very good temperature behaviour. The inliner is created exclusively from platinum-catalysed silicone. Continuous extrusion of the inliner allows a smooth internal surface and the most optimum cleaning and sterilisation results. The material reinforcement was developed for increased system pressures. Other properties of the connector STHT-R silicone hose have a flawless flexibility and good chemical resistance.								
								
Braid-Reinforced for pressure applications.								
Connectors STHT-R Hose Inventory Sizes								
* C/F: consult factory								
Hose Type	Connectors Item-Number	ID mm	ID Tol. mm	OD mm	Recommended Working Pressure at 20°C bar g	Minimum Burst Pressure at 20°C	Minimum Bending radius (mm)	Weight per m (kg)
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 - 13.2	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		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

HOSES

Silicone Hose, Type Connectors STHT-R, Braid-Reinforced Silicone Hose

Product group: Hoses

Title: Silicone Hose, Type Connectors STHT-R
Braid-Reinforced Silicone Hose

Technical characteristics:

Connections:	Upon request, can be produced with: <ul style="list-style-type: none">• vulkanised, non-metallic fittings• pressed, metallic connections• Connlock MR-DN (reclosable connections)
Temperature range:	The maximal Temperature of the hose is in relation to the ply material -62°C to 177°C for Polyester ply material higher temperature upon request
Braid 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 related to the temperature:	The bursting pressure of the connector STHT-R hose is reduced for each temperature increase of 93°C around 20%. This applies until the maximum temp is reached for the hose. 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

HOSES

Silicone Hose, Type Connectors STHT-R, Braid-Reinforced Silicone Hose

Product group:	Hoses
Title:	Silicone Hose, Type Connectors STHT-R Braid-Reinforced Silicone Hose

Technical characteristics:	
Marking:	All hoses are marked according (CVAG_APN_0001.0) on the outer surface with: (acc. CVAG_APN_0001.0) <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 sterilisable (steam)

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

CONNLOCK® is an absolutely high-quality, re-usable quick coupling connector, which is developed for highest requirements 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 different wall thicknesses of the silicone hoses, without affecting the compressive strength. Please check also the chapter 8 for further information to 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.



HOSES

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

Product group: Hoses

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

- Benefits:**
- flexible
 - sterilisable, autoclavable
 - taste and odour-free
 - Product code labelling
 - High pressure and vacuum resistance
 - Extremely resistant

- Connections:** Can be produced upon request with:
- Vulcanised, non-metallic fittings,
 - Pressed, metallic connections
 - Connlock MR-DN (reusable connections)

Connectors STHT-W Wire-Reinforced Silicone Hose

Connectors material reinforced STHT-R has a very good temperature behaviour. The inliner is created exclusively from platinum-catalysed silicone. Continuous extrusion of the inliner allows a smooth internal surface and the most optimum cleaning and sterilisation results. The material reinforcement was developed for increased system pressures. Other properties of the connector STHT-R silicone hose have a 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 -Number	ID (mm)	ID Tol. (mm)	OD Range (mm)	Recommended Working Pressure at 20°C (bar g)	Minimum Burst Pressure at 20°C (bar g)	Minimum Bending radius (mm)	Weight per m (kg)	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

HOSES

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

Product group: Hoses

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

Technical characteristics:	
Temperature range:	The maximal Temperature of the hose is in relation to the ply material '-62°C to 177°C for Polyester ply material - higher temperature 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 sticks of 3.66m (tolerances 0 + 50mm) available in sticks of 7.32m (tolerances 0 + 50mm)
Burst pressure related to the temperature:	The burst pressure will be decreased by 10% for each 93°C increase up to the maximal temperature as explained below. 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 (CVAG_APN_0001.0) on the outer surface with: <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)

HOSES

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

Product group: Hoses

Title: S-COR PTFE Hose with Silicone-Cover (smooth PTFE inner core)

S-COR PTFE Hose with smooth inner core for highest requirements

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



Technical data for S-COR PTFE hose

Hose-Type	Connectors Item-Number	Interior diameter mm	Exterior diameter mm	Minimum bending radius mm	Operating pressure at 20°C	Bursing pressure at 20°C	Temperature range °C	Hose weight kg/m
S-COR 04	604.100.250	6.4	14.0	31.8	241	964	-53 bis 230	0.28
S-COR 06	604.100.375	9.6	18.0	44.4	206	826	-53 bis 230	0.37
S-COR 08	604.100.500	12.7	21.8	63.5	124	496	-53 bis 230	0.51
S-COR 12	604.100.750	19.0	28.4	88.9	86.1	344	-53 bis 230	0.70
S-COR 16	604.101.000	25.4	39.4	140.0	68.9	275	-53 bis 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	Betriebsdruck, bar				
-53 bis 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

Title: S-COR PTFE Hose with Silicone-Cover (smooth PTFE inner core)

Characteristics for S-COR PTFE Hose with Silicone-Cover

Characterization:

- **Highly pure:** Ideally for fastidious analytic sampling and production processes. Guaranteed taste, smell, and colorneutrally. Maximum ruggedness against chemicals with highest compatibility.
- **Absorption-steadily:** 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 not oxidizing.
- **Temperature-resistant:** For temperature ranges from -62°C to +232°C. Several times autoclavable; ideally for steam or applications with hot oil. Also for sterilization by means of UV-RADIATION or other methods suitable.
- **Perfect surface:** Maximum flow rates. Ideally for sticky and viscose rayon liquids. Simple and reliable cleaning.
- **Chemical inertly:** Admits as the material chemically inert in highest extent. Absolutely corrosion resistant and not oxidizing.
- **Age-resisting:** Independently of time, weather or UV-RADIATION. Does not age during the use.
- **Frictionlessly inside and outside:** High-quality finished network. Smoothly for walls and equipment. Frictionless connections/fittings. Smooth and clean, constant shroud.
- **Completely vacuum and high pressure-suitably:** Absolutely surely. Highest pliancy without lasting break. Constant flow rates also with bended 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

Outside cover available in different colours.
Crimped with Tri-Clamp Ends, Screw Flanges or customized connections.



HOSES

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

Product group: Hoses

Title: SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, for static electricity)

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

The SB-COR PTFE hose has an 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 FDA 21CFR 178.3297 standard. The continuous extrusion of the inliners ensures a smooth interior surface and the most optimum sterilisation results.



Technical data for SB-COR PTFE hose

Hose-Type	Connectors Item-Number	Interior diameter mm	Exterior diameter mm	Minimum bending radius mm	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 bis 230	0.28
SB-COR 06	604.200.375	9.6	18.0	44.4	206	826	-53 bis 230	0.37
SB-COR 08	604.200.500	12.7	21.8	63.5	124	496	-53 bis 230	0.51
SB-COR 12	604.200.750	19.0	28.4	88.9	86.1	344	-53 bis 230	0.70
SB-COR 16	604.201.000	25.4	39.4	140.0	68.9	275	-53 bis 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 bis 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, electrically conducting)

Product group: Hoses

Title: SB-COR PTFE Hose with Silicone-Cover (smooth PTFE interior tube, electrically conducting)

SB-COR PTFE Hose with Silicone-Cover

Characterization:

- Highly pure: Ideally for fastidious analytic sampling and production processes. Guaranteed taste, smell, and colorneutrally. Maximum ruggedness against chemicals with highest compatibility.
- Electrically leading: for applications where electrostatic loadings in the hose inside must be avoided.
- With ATEX permit for zone 0 (interior)
- Absorption-steadily: The special ptfе 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 not oxidizing.
- Temperature-resistant: For temperature ranges from -53°C to +230°C. Several times autoclavable; ideally for steam or applications with hot oil. Also for sterilization by means of UV-RADIATION or other methods suitable.
- Perfect surface: Maximum flow rates. Ideally for sticky and viscose rayon liquids. Simple and reliable cleaning.
- Chemical inertly: Admits as the material chemically inert in highest extent. Absolutely corrosion resistant and not oxidizing.
- Age-resisting: Independently of time, weather or UV-RADIATION. Does not age during the use.
- Frictionlessly inside and outside: High-quality finished network. Smoothly for walls and equipment. Frictionless connections/fittings. Smooth and clean, constant shroud.
- Completely vacuum and high pressure-suitably: Absolutely surely. Highest pliancy without lasting break. Constant flow rates also with bended 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.



HOSES

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

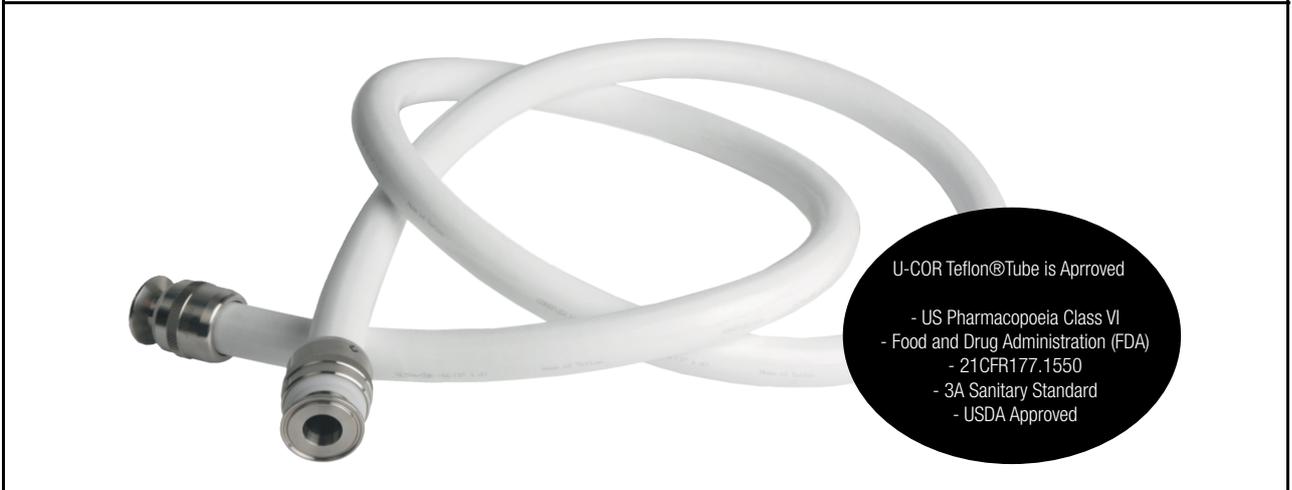
Product group: Hoses

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

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 stabilisers.

The continuous extrusion of the inliner ensures a smooth internal surface and the most optimum sterilization results.



Technical data for U-COR PFA hose

Hoses-Type	Item-Number	Interior diameter mm	External diameter mm	Minimum bending radius mm	Operating pressure at 20°C	Bursting pressure at 20°C	Temperature range °C	Hose weight kg/m
U-COR 08	604.400.500	12.7	20.3	38.1	20.6	82.6	-53 bis 230	0.30
U-COR 12	604.400.750	19.05	28.6	63.5	20.6	82.6	-53 bis 230	0.57
U-COR 16	604.401.000	25.4	37.0	102.0	17.2	68.9	-53 bis 230	0.94
U-COR 20	604.401.250	31.75	40.5	177.8	13.8	55.1	-53 bis 230	1.30
U-COR 24	604.401.500	38.1	51.1	178.0	13.7	55.1	-53 bis 230	1.30
U-COR 32	604.402.000	50.8	63.8	178.0	10.3	41.3	-53 bis 230	1.90

Druck-/Temperaturraten können durch die Endanschlüsse begrenzt sein.

Pressure and temperature rates

Hoses-Type	U-COR 08	U-COR 12	U-COR 16	U-COR 24	U-COR32
Temperature, °C	Operating pressure, bar				
-53	13.7	7.9	17.2	13.7	10.3
-17 bis 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	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-Sheathing (smooth PFA interior tube)

Product group: Hoses

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

Characteristics of the U-COR PFA hose

Characterization:

- **Highly pure:** Ideal for demanding, analytical sample collection and production processes. Guaranteed taste, odour, and colour neutral. Maximum resistance against chemicals with the highest resistance.
- **Absorbable:** The special PFA surface minimises the absorption of materials such as paint extracts, essential oils and protein. The hose does not discolour. Moisture absorption <0.01%, corrosion-resistant and non-oxidising.
- **Temperature-resistant:** For temperature ranges from -53°C to +230°C. Multiply auto clavable; ideal for steam or applications with hot oil. Also for sterilisation using UV rays or other suitable methods
- **Perfect surface:** Maximum flow rates. Ideal for adhesive and viscous liquids. Easy and reliable cleaning.
- **Chemically inert:** Known as the material which is inert to the maximum extent. Absolutely corrosion-resistant and non-oxidising.
- **Age-resistant:** Depending on time, elements or UV rays. Does not age during use.
- **Friction-free interior and exterior:** High-quality processed verarbeitetes mesh. Smooth for walls or equipment. Friction-free joints / fittings. Smooth and clean, temperature-resistant coat.
- **Complete vacuum / suitable for pressure:** absolutely safe. Highest bendability without a remaining bend. Constant flow rates even with bent U-COR hoses
- **With ATEX permit for zone 1 (interior)**

Connections:

- Pressed with tri-clamp ends
- Pressed with customised 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-Sheathing (smooth PFA interior tube, electrically conducting)

Product group: Hoses

Title: UB-COR PFA hose with silicone sheathing (smooth PFA interior tube, electrically conducting)

UB-COR PFA Schlauch with smooth interior tube (electrically conducting) 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 stabilisers.
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 the most optimum sterilisation 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								
Hoses-Type	Connectors Item-Number	Interior diameter mm	Exterior diameter mm	Minimum bending radius in mm	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 bis 230	0.30
UB-COR 12*	604.500.750	19.0	28.6	63.5	20.6	82.6	-53 bis 230	0.57
UB-COR 16	604.501.000	25.4	37.0	102.0	17.2	68.9	-53 bis 230	0.94
UB-COR 24	604.501.500	38.1	51.1	178.0	13.7	55.1	-53 bis 230	1.30
UB-COR 32	604.502.000	50.8	63.8	178.0	10.3	41.3	-53 bis 230	1.90

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

* consult factory

Pressure and temperature rates						
Hoses-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 bis	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	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-Sheathing (smooth PFA interior tube, electrically conducting)

Product group: Hoses

Title: UB-COR PFA hose with silicone sheathing (smooth PTFE interior tube, electrically conducting)

Charakteristics of cs	
Characterization:	<ul style="list-style-type: none">• Highly pure: Ideal for demanding, analytical sample collection and production processes. Guaranteed taste, odour, and colour neutral. Maximum resistance against chemicals with the highest resistance.• Electrically conducting: for applications where electrostatic charges must be avoided in the hose interior.• With ATEX permit for zone 0 (interior)• Absorbable: The special PFA surface minimises the absorption of materials such as paint extracts, essential oils and protein. The hose does not discolour. Moisture absorption <0.01%, corrosion-resistant and non-oxidising.• Temperature-resistant: For temperature ranges from -53°C to +230°C. Multiply autoclavable; ideal for steam or applications with hot oil. Also for sterilisation using UV rays or other suitable methods• Perfect surface: Maximum flow rates. Ideal for adhesive and viscous liquids. Easy and reliable cleaning.• Chemically inert: Known as the material which is inert to the maximum extent. Absolutely corrosion-resistant and non-oxidising.• Age-resistant: Depending on time, elements or UV rays. Does not age during use.• Friction-free interior and exterior: High-quality processed verarbeitetes mesh. Smooth for walls or equipment. Friction-free joints / fittings. Smooth and clean, temperature-resistant coat.• Complete vacuum / suitable for pressure: absolutely safe. Highest bendability without a remaining bend. Constant flow rates even with bent U-COR hoses
Connections:	<ul style="list-style-type: none">• Pressed with Tri-Clamp ends• Pressed with customised connections
Applications:	<ul style="list-style-type: none">• Pharmaceutical processes• Biotechnology• Food industry• Cell culture
Certificates:	<ul style="list-style-type: none">• USP Class VI• 3A Standard• FDA 21 CFR 177.1550• USDA food-suited