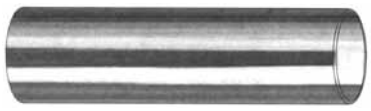
General purpose hoses



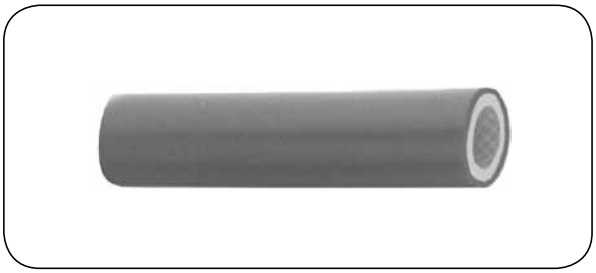
VERSITEC

Material: Transparent silicone
Hardness: 57° Shore (A)
Density: 1.15 g/cm^3
Working temp.: From -50°C up to +200°C (with peaks up to +220°C)

Hose made of peroxide cured silicone. Resistant to UV radiation, oxygen and ozone. Widely used in industry and household appliances. Sterilization with steam, ethylene oxide or radiation. Conforms to FDA and BfR standards.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
VE-761800	0.5	2.5	1	1.3	1	50
VE-761802	1	3	1	1.1	2	50
VE-761804	1.5	3	0.75	0.72	4	50
VE-761806	2	4	1	0.6	7	50
VE-761807	2	5.5	1.75	0.81	3	50
VE-761809	2	6	2	0.9	3	50
VE-761812	3	5	1	0.55	8	50
VE-761814	3	6	1.5	0.64	7	50
VE-761816	3	7	2	0.75	5	50
VE-761819	4	6	1	0.4	15	50
VE-761821	4	7	1.5	0.54	10	25
VE-761823	4	8	2	0.5	8	25
VE-761825	4	10	3	0.75	6	25
VE-761828	5	7	1	0.4	25	25
VE-761830	5	8	1.5	0.45	16	25
VE-761832	5	9	2	0.6	14	25
VE-761834	5	10	2.5	0.64	11	25
VE-761837	6	8	1	0.3	36	25
VE-761839	6	9	1.5	0.37	26	25
VE-761841	6	10	2	0.47	19	25
VE-761843	6	12	3	0.64	12	25
VE-761846	7	10	1.5	0.31	32	25
VE-761848	7	11	2	0.39	23	25
VE-761850	7	12	2.5	0.51	18	25
VE-761852	7	13	3	0.55	15	25
VE-761855	8	11	1.5	0.31	35	25
VE-761857	8	12	2	0.35	28	25
VE-761859	8	14	3	0.5	18	25
VE-761860	8	16	4	0.61	14	25
VE-761862	9	13	2	0.37	39	25
VE-761864	10	14	2	0.36	46	25
VE-761866	10	16	3	0.45	30	25
VE-761868	10	18	4	0.5	26	25
VE-761871	12	17	2.5	0.28	47	25
VE-761874	15	21	3	0.31	70	25
VE-761877	18	24	3	0.26	87	10
VE-761880	20	27	3.5	0.29	102	10
VE-761883	25	35	5	0.28	111	10
VE-761886	30	40	5	0.26	204	10
VE-761888	40	50	5	0.25	270	10

General purpose hoses



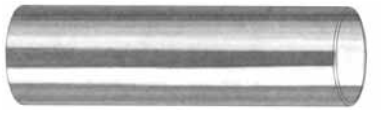
REDSIL

Internal layer: Transparent silicone
Reinforcement: PET braid
External layer: Red silicone
Hardness: 70° ± 5° Shore (A)
Working temp.: From -60°C up to +180°C

Delivery hose widely used in industry (e.g. in cooling systems and hot air transfer). Meets the requirements of FDA 21 CFR 177.2600 and BfR XV.

code	I.D. [mm]	wall thickness [mm]	bursting press. 20°C [bar]	bursting press. 95°C [bar]	bursting press. 130°C [bar]	standard length [m]
TS-REDSIL-03X2,5	3	2.5	82	76	40	25
TS-REDSIL-04X2,5	4	2.5	69	59	35	25
TS-REDSIL-05X3,0	5	3	57	41	30	25
TS-REDSIL-06X3,0	6	3	56	39	28	25
TS-REDSIL-07X3,2	7	3.2	55	37	27	25
TS-REDSIL-07X3,5	7	3.5	55	37	27	25
TS-REDSIL-08X3,2	8	3.2	49	34	26	25
TS-REDSIL-08X3,5	8	3.5	49	34	26	25
TS-REDSIL-09X3,5	9	3.5	47	33	25	25
TS-REDSIL-09X3,8	9	3.8	47	33	25	25
TS-REDSIL-10X3,5	10	3.5	44	32	24	25
TS-REDSIL-10X4,0	10	4	44	32	24	25
TS-REDSIL-11X3,5	11	3.5	42	31	23	25
TS-REDSIL-11X4,0	11	4	42	31	23	25
TS-REDSIL-12X3,5	12	3.5	39	29	22	25
TS-REDSIL-12X4,0	12	4	39	29	22	25
TS-REDSIL-13X3,5	13	3.5	38	28	22	25
TS-REDSIL-13X4,0	13	4	38	28	22	25
TS-REDSIL-14X4,0	14	4	37	28	21	25
TS-REDSIL-14X4,5	14	4.5	37	28	21	25
TS-REDSIL-15X4,0	15	4	36	27	21	25
TS-REDSIL-15X4,5	15	4.5	36	27	21	25
TS-REDSIL-16X4,0	16	4	35	26	21	25
TS-REDSIL-16X4,5	16	4.5	35	26	21	25
TS-REDSIL-17X4,0	17	4	34	25	20	25
TS-REDSIL-17X4,5	17	4.5	34	25	20	25
TS-REDSIL-18X4,0	18	4	33	24	20	25
TS-REDSIL-18X4,5	18	4.5	33	24	20	25
TS-REDSIL-19X4,5	19	4.5	32	24	20	25
TS-REDSIL-19X5,0	19	5	32	24	20	25
TS-REDSIL-20X5,0	20	5	31	23	19	25
TS-REDSIL-20X5,5	20	5.5	31	23	19	25

Food hoses



VERSILIC®

Material: Transparent silicone
Hardness: 62° +/-5° Shore (A)
Density: 1.15 +/-0.03 g/cm^3
Working temp.: From -50°C up to +200°C (with peaks up to +230°C)

Flexible, biologically inert hose made of peroxide cured silicone. Retains its chemical, electrical and mechanical properties at temperature up to +200°C. Sterilization with steam, ethylene oxide or radiation. Meets the requirements of FDA, BfR, USP Class VI, ISO 10993 quality standards(toxicity, irritation, cytotoxicity, hemolysis).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
VE-760010	0.5	2.5	1	1.3	1	50
VE-760070	1	3	1	1.1	2	50
VE-760110	1.5	3	0.75	0.72	3	50
VE-760160	2	4	1	0.6	4	50
VE-760170	2	5.5	1.75	0.81	3	50
VE-760180	2	6	2	0.9	2	50
VE-760210	3	5	1	0.55	7	50
VE-760220	3	5.5	1.25	0.6	6	50
VE-760230	3	6	1.5	0.9	6	50
VE-760250	3	7	2	0.55	4	50
VE-760320	4	6	1	0.64	14	25
VE-760330	4	7	1.5	0.75	9	25
VE-760350	4	8	2	0.4	10	25
VE-760360	4	10	3	0.54	5	25
VE-760410	5	7	1	0.5	23	25
VE-760420	5	8	1.5	0.75	16	25
VE-760430	5	9	2	0.4	12	25
VE-760440	5	10	2.5	0.45	12	25
VE-760490	6	8	1	0.6	29	25
VE-760500	6	9	1.5	0.64	22	25
VE-760510	6	10	2	0.3	20	25
VE-760520	6	12	3	0.37	12	25
VE-760570	7	10	1.5	0.47	25	25
VE-760580	7	11	2	0.64	24	25
VE-760581	7	12	2.5	0.31	19	25
VE-760590	7	13	3	0.39	14	25
VE-760630	8	11	1.5	0.51	31	25
VE-760650	8	12	2	0.55	28	25
VE-760670	8	14	3	0.5	18	25
VE-760690	8	16	4	0.61	17	25
VE-760720	8.5	12	1.75	0.33	32	25
VE-760730	9	13	2	0.37	35	25
VE-760770	10	14	2	0.36	48	25
VE-760800	10	16	3	0.45	30	25
VE-760810	10	18	4	0.5	29	25
VE-760820	10	23	6.5	0.8	15	25
VE-760870	12	15.5	1.75	0.31	66	25
VE-760880	12	17	2.5	0.28	48	25
VE-761050	15	21	3	0.31	66	25
VE-761080	18	24	3	0.26	74	10
VE-761100	20	27	3.5	0.29	99	10
VE-761150	25	35	5	0.28	58	10
VE-761170	30	40	5	0.26	133	10
VE-761190	40	50	5	0.25	80	10
VE-761270	50	60	5	0.19	418	10

Food hoses

PHARMATECH

Internal layer: Half transparent silicone
Reinforcement: Polyester braid
External layer: Half transparent silicone
Working temp.: From -60°C up to +200°C

To quality, hydrophobic delivery hose manufactured through platinum cure technology. Odour-free and taste-free. Smooth surface prevents impurities entrapment or buildup. Sterylization with steam at +135°C, with argon or cobalt as an option. Conforms to the requirements of FDA, USP Class VI, European Pharmacopoeia 3.1.9 European Directives EC 1935/2004 and EC
2023/2006 (GMP). Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working press. 20 / 100°C [bar]	bending radius [mm]	standard length [m]
MT-PHARMATECH-02	1.58	7.4	16 / 12.8	25	25
MT-PHARMATECH-03	3.17	9.2	16 / 12.8	25	25
MT-PHARMATECH-05	4.76	11.3	15 / 12	32	25
MT-PHARMATECH-06	6.35	13.2	14 / 11.2	38	25
MT-PHARMATECH-08	7.93	15	12 / 9.6	44	25
MT-PHARMATECH-10	9.52	16.6	11 / 8.8	50	25
MT-PHARMATECH-13	12.7	20.3	9 / 7.2	63	25
MT-PHARMATECH-16	15.87	24.5	8 / 6.4	76	25
MT-PHARMATECH-19	19.05	27.9	6 / 4.8	89	25
MT-PHARMATECH-22	22.2	31.3	5 / 4	100	10
MT-PHARMATECH-25	25.4	34.5	5 / 4	127	10
MT-PHARMATECH-32	31.75	40.8	4 / 3.2	152	10

★ ★ ★ ★ ★

SILICONE STAR / D

Internal layer: Half transparent silicone
Reinforcement: Four polyester braids
External layer: Half transparent silicone
Working temp.: From -60°C up to +180°C

Top quality delivery hose manufactured through platinum cure technology. Extruded internal layer. Conforms to the requirements of FDA 21 CFR 177.2600, USP Class VI, European Pharmacopoeia 3.1.9, BfR XV A, Journal Officiel Brochure 1227. For working temperatures above +100°C reduce the maximum working pressure given in the tables by 1% for each 1°C of temperature rise.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	maximum length [m]
SO-SILICONESTAR-D-13	12.7	22.5	7.5	30	4
SO-SILICONESTAR-D-19	19.05	28.85	7.5	30	4
SO-SILICONESTAR-D-25	25.4	35.2	7.5	30	4
SO-SILICONESTAR-D-32	31.8	41.6	6.2	25	4
SO-SILICONESTAR-D-38	38.1	47.9	4.5	18	4
SO-SILICONESTAR-D-51	50.8	60.6	4.5	18	4

Food hoses

★★★★★

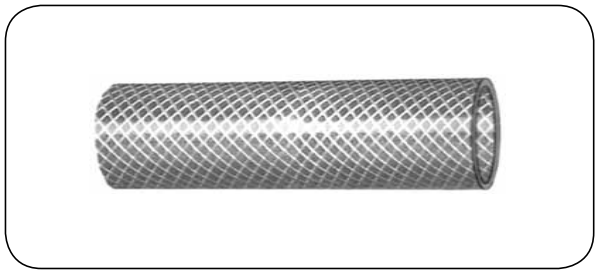
SILICONE STAR / SD

Internal layer: Half transparent silicone
Reinforcement: Four polyester braids,
External layer: steel wire helix (AISI 316)
Half transparent silicone
Working temp.: From -60°C up to +180°C

Suction-delivery hose manufactured using platinum cure technology. Extruded internal layer. Conforms to the requirements of FDA 21 CFR 177.2600, USP Class VI, European Pharmacopoeia 3.1.9, BfR XV, Journal Officiel Brochure 1227. Full vacuum 736.6 mm Hg (0.98 bar). For working temperatures above +100°C reduce the maximum working pressure given in the tables by 1% for each 1°C of temperature rise.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	bending radius [mm]	maximum length [m]
SO-SILICONESTAR-SD-10	9.5	19.3	7.5	30	35	4
SO-SILICONESTAR-SD-13	12.7	22.5	7.5	30	35	4
SO-SILICONESTAR-SD-19	19.05	28.85	7.5	30	50	4
SO-SILICONESTAR-SD-25	25.4	35.2	7.5	30	65	4
SO-SILICONESTAR-SD-32	31.8	41.6	7.5	30	96	4
SO-SILICONESTAR-SD-38	38.1	47.9	7.5	30	110	4
SO-SILICONESTAR-SD-51	50.8	60.6	7.5	30	170	4

Pharmaceutical and biotechnology hoses



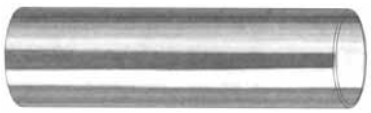
Sani-Tech STHT-R

Material: Half transparent silicone
Reinforcement: Polyester braid
Hardness: 65° Shore (A)
Density: 1.21 g/cm^3
Working temp.: From -62°C up to +260°C
Key features: LOT number marking,
colour coding available

Flexible hose manufactured using platinum cure technology. Used to transport blood, tissue, etc. Imparts neither odour nor taste. Meets the requirements of USP XXIV (88) and USPXXIV (87) for biological reactivity, ISO 10993 standards of biocompatibility, FDA CFR 177.2600, USDA 3A, European Pharmacopoeia 3.1.9.

code	I.D. [mm]	O.D. [mm]	working pressure 20°C [bar]	bursting pressure 20°C [bar]	bending radius [mm]
VE-STHT-R-0062	1.6	6.9	13.7	53.4	-
VE-STHT-R-0125	3.2	9.0	13.1	53.4	-
VE-STHT-R-0187	4.8	11.4	12.8	51.7	-
VE-STHT-R-0250	6.4	12.7	12.4	50.0	25
VE-STHT-R-0375	9.6	15.9	12.4	50.0	51
VE-STHT-R-0500	12.7	22.3	12.1	48.3	76
VE-STHT-R-0625	15.9	25.4	8.6	34.5	102
VE-STHT-R-0750	19.1	28.6	7.2	29.3	102
VE-STHT-R-0875	22.3	32.0	6.9	27.6	127
VE-STHT-R-1000	25.4	35.0	5.17	20.7	152.4

Pharmaceutical and biotechnology hoses



Sani-Tech STHT-C

Material: Transparent silicone
Hardness: 50° Shore (A)
Density: 1.17 g/cm^3
Working temp.: From -62°C up to +260°C
Length: 7.62 m, 15.24 m or 30.48 m
Key features: Permanent, laser-marked hose code and LOT number

Hose made of platinum cured silicone, of exceptional purity, designed for application in biotechnology. Resistant to high temperature, ozone, radiation, moisture, weather conditions. Neither absorbs nor adsorbs odour and taste. Withstands repeated autoclave, ethylene oxide or radiation sterilization. Meets the requirements of FDA, USP Class VI, ISO 10993, European Pharmacopoeia 3.1.9 and Japanese Pharmacopoeia - Chapter 51. Safety factor 5:1.

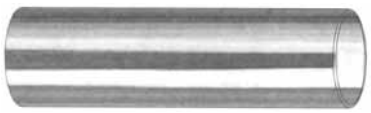
code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure 23°C [bar]
VE-STHT-C-012-0	0.3	0.7	0.2	0.69
VE-STHT-C-020-0	0.5	0.9	0.2	0.55
VE-STHT-C-025-0	0.6	1.2	0.3	0.62
VE-STHT-C-030-0	0.8	1.8	0.5	0.75
VE-STHT-C-030-2	0.8	4	1.6	2.2
VE-STHT-C-040-0	1.0	2.2	0.6	0.75
VE-STHT-C-058-0	1.5	1.9	0.2	0.34
VE-STHT-C-062-1	1.6	3.2	0.8	0.68
VE-STHT-C-062-2	1.6	4.8	1.6	1.17
VE-STHT-C-062-3	1.6	6.4	2.4	1.65
VE-STHT-C-062-4	1.6	8	3.2	2.27
VE-STHT-C-062-5	1.6	11.2	4.8	3.30
VE-STHT-C-062-6	1.6	14.4	6.4	4.34
VE-STHT-C-078-1	2	3.6	0.8	0.62
VE-STHT-C-078-2	2	5.4	1.7	1.03
VE-STHT-C-078-3	2	6.8	2.4	1.44
VE-STHT-C-078-4	2	8.4	3.2	1.86
VE-STHT-C-078-5	2	11.6	4.8	2.69
VE-STHT-C-078-6	2	14.8	6.4	3.56
VE-STHT-C-093-1	2	4	0.8	0.55
VE-STHT-C-093-2	2	5.6	1.6	0.90
VE-STHT-C-093-3	2	7.2	2.4	1.24
VE-STHT-C-093-4	2	8.8	6.4	1.45
VE-STHT-C-093-5	2	12	4.8	2.34
VE-STHT-C-093-6	2	15.2	6.4	3.1
VE-STHT-C-125-1	3.2	4.8	0.8	0.41
VE-STHT-C-125-2	3.2	6.4	1.6	0.69
VE-STHT-C-125-3	3.2	8	2.4	0.97
VE-STHT-C-125-4	3.2	9.6	3.2	1.31
VE-STHT-C-125-5	3.2	12.8	4.8	1.58
VE-STHT-C-125-6	3.2	15.8	6.3	2.41
VE-STHT-C-156-1	4	5.6	0.8	0.41
VE-STHT-C-156-2	4	7.1	1.6	0.62
VE-STHT-C-156-3	4	8.7	2.4	0.76
VE-STHT-C-156-4	4	10.3	3.2	1.03
VE-STHT-C-156-5	4	13.5	4.7	1.59
VE-STHT-C-156-6	4	16.7	6.4	2.07
VE-STHT-C-187-1	4.8	6.4	0.8	0.34

Pharmaceutical and biotechnology hoses

Sani-Tech STHT-C - table follow up

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure 23°C [bar]
VE-STHT-C-187-2	4.8	8	1.6	0.55
VE-STHT-C-187-3	4.8	9.5	2.4	0.76
VE-STHT-C-187-4	4.8	11.1	3.2	0.9
VE-STHT-C-187-5	4.8	14.3	4.7	1.24
VE-STHT-C-187-6	4.8	17.6	6.4	1.79
VE-STHT-C-250-1	6.4	8	0.8	0.14
VE-STHT-C-250-2	6.4	9.5	1.6	0.41
VE-STHT-C-250-3	6.4	11.2	2.4	0.55
VE-STHT-C-250-4	6.4	12.8	3.2	0.69
VE-STHT-C-250-5	6.4	16	4.8	1.03
VE-STHT-C-250-6	6.4	19.2	6.4	1.45
VE-STHT-C-312-1	8.0	9.6	0.8	0.21
VE-STHT-C-312-2	8	11.2	1.6	0.28
VE-STHT-C-312-3	8	12.8	2.4	0.55
VE-STHT-C-312-4	8	14.4	3.2	0.69
VE-STHT-C-312-5	8	17.6	4.7	0.96
VE-STHT-C-312-6	8	20.8	6.4	1.24
VE-STHT-C-375-1	9.5	11.1	0.8	0.21
VE-STHT-C-375-2	9.5	12.7	1.6	0.21
VE-STHT-C-375-3	9.5	14.3	2.4	0.41
VE-STHT-C-375-4	9.5	16	3.2	0.55
VE-STHT-C-375-5	9.5	19.1	4.8	0.76
VE-STHT-C-375-6	9.5	22.3	6.4	1.1
VE-STHT-C-500-1	12.7	14.3	0.8	0.14
VE-STHT-C-500-2	12.7	15.9	1.6	0.27
VE-STHT-C-500-3	12.7	17.5	2.4	0.27
VE-STHT-C-500-4	12.7	19.1	3.2	0.48
VE-STHT-C-500-5	12.7	22.3	4.7	0.62
VE-STHT-C-500-6	12.6	25.4	6.4	0.89
VE-STHT-C-625-1	15.9	17.5	1.6	0.07
VE-STHT-C-625-2	15.9	19.1	1.6	0.21
VE-STHT-C-625-3	15.9	20.7	2.4	0.27
VE-STHT-C-625-4	15.9	22.3	3.2	0.34
VE-STHT-C-625-5	15.8	25.4	4.8	0.55
VE-STHT-C-625-6	15.9	31.8	7.95	0.76
VE-STHT-C-750-1	19.1	20.7	0.8	0.07
VE-STHT-C-750-2	19.1	22.3	1.6	0.14
VE-STHT-C-750-3	19.1	23.9	2.4	0.21
VE-STHT-C-750-4	19	25.4	3.2	0.34
VE-STHT-C-750-5	19	28.6	4.8	0.41
VE-STHT-C-750-6	19	31.8	6.4	0.69
VE-STHT-C-875-1	22.2	23.8	0.8	0.07
VE-STHT-C-875-2	22.2	25.4	1.6	0.07
VE-STHT-C-875-3	22.2	27	2.4	0.14
VE-STHT-C-875-4	22.2	28.6	3.2	0.28
VE-STHT-C-875-5	22.2	31.8	4.8	0.41
VE-STHT-C-875-6	22.2	35	6.4	0.55
VE-STHT-C-1000-1	25.4	27	0.8	0.07
VE-STHT-C-1000-2	25.4	28.6	1.6	0.07
VE-STHT-C-1000-3	25.4	30.2	2.4	0.14
VE-STHT-C-1000-4	25.4	31.8	3.2	0.27
VE-STHT-C-1000-5	25.4	35	4.8	0.34
VE-STHT-C-1000-6	25.4	38.2	6.4	0.48

Pharmaceutical and biotechnology hoses



Sani-Tech ULTRA

Material: Transparent silicone
Hardness: 50° Shore (A)
Density: 1.14 g/cm^3
Working temp.: From -62°C up to +260°C
Length: 7.62 m, 15.24 m or 30.48 m
Key features: Permanent, laser-marked hose code and LOT number

Very flexible hose with extremely low level of extractables and so prolonged service life in peristaltic pumps. Manufactured using platinum cure technology. Widely used in biopharmaceutical industry. Can be combined with Sani-Link® Ultra Manifolds. Neither absorbs nor adsorbs odour and taste. Withstands repeated autoclave, ethylene oxide or radiation sterilization. Conforms to the requirements of FDA, USP Class. VI, ISO 10993, European Pharmacopoeia 3.1.9 and Japanese Pharmacopoeia - Chapter 59. 65° Shore (A) hardness version is also available.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]
VE-ULTRA-C-012-0	0.3	0.6	0.15
VE-ULTRA-C-020-0	0.5	0.9	0.2
VE-ULTRA-C-025-0	0.6	1.2	0.3
VE-ULTRA-C-030-0	0.8	1.8	0.5
VE-ULTRA-C-030-2	0.8	4	1.6
VE-ULTRA-C-040-0	1	2.2	0.6
VE-ULTRA-C-058-0	1.5	1.9	0.2
VE-ULTRA-C-062-1	1.6	3.2	0.8
VE-ULTRA-C-062-2	1.6	4.8	1.6
VE-ULTRA-C-062-3	1.6	6.4	2.4
VE-ULTRA-C-062-4	1.6	8	3.2
VE-ULTRA-C-062-5	1.6	11.2	4.8
VE-ULTRA-C-062-6	1.6	14.4	6.4
VE-ULTRA-C-078-1	2	3.6	0.8
VE-ULTRA-C-078-2	2	5.4	1.7
VE-ULTRA-C-078-3	2	6.8	2.4
VE-ULTRA-C-078-4	2	8.4	3.2
VE-ULTRA-C-078-5	2	11.6	4.8
VE-ULTRA-C-078-6	2	14.8	6.4
VE-ULTRA-C-093-1	2.4	4	0.8
VE-ULTRA-C-093-2	2.4	5.6	1.6
VE-ULTRA-C-093-3	2.4	7.2	2.4
VE-ULTRA-C-093-4	2.4	8.8	6.4
VE-ULTRA-C-093-5	2.4	12	4.8
VE-ULTRA-C-093-6	2.4	15.2	6.4
VE-ULTRA-C-125-1	3.2	4.8	0.8
VE-ULTRA-C-125-2	3.2	6.4	1.6
VE-ULTRA-C-125-3	3.2	8	2.4
VE-ULTRA-C-125-4	3.2	9.6	3.2
VE-ULTRA-C-125-5	3.2	12.8	4.8
VE-ULTRA-C-125-6	3.2	15.8	6.3
VE-ULTRA-C-156-1	4	5.6	0.8
VE-ULTRA-C-156-2	4	7.1	1.6
VE-ULTRA-C-156-3	4	8.7	2.4
VE-ULTRA-C-156-4	4	10.3	3.2
VE-ULTRA-C-156-5	4	13.5	4.7
VE-ULTRA-C-156-6	4	16.7	6.4
VE-ULTRA-C-187-1	4.8	6.4	0.8

Pharmaceutical and biotechnology hoses

Sani-Tech ULTRA - table follow up

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]
VE-ULTRA-C-187-2	4.8	8.0	1.6
VE-ULTRA-C-187-3	4.8	9.5	2.4
VE-ULTRA-C-187-4	4.8	11.1	3.2
VE-ULTRA-C-187-5	4.8	14.3	4.7
VE-ULTRA-C-187-6	4.8	17.6	6.4
VE-ULTRA-C-250-1	6.4	8	0.8
VE-ULTRA-C-250-2	6.4	9.5	1.6
VE-ULTRA-C-250-3	6.4	11.2	2.4
VE-ULTRA-C-250-4	6.4	12.8	3.2
VE-ULTRA-C-250-5	6.4	16	4.8
VE-ULTRA-C-250-6	6.4	19.2	6.4
VE-ULTRA-C-312-1	8	9.6	0.8
VE-ULTRA-C-312-2	8	11.2	1.6
VE-ULTRA-C-312-3	8	12.8	2.4
VE-ULTRA-C-312-4	8	14.4	3.2
VE-ULTRA-C-312-5	8	17.6	4.7
VE-ULTRA-C-312-6	8	20.8	6.4
VE-ULTRA-C-375-1	9.5	11.1	0.8
VE-ULTRA-C-375-2	9.5	12.7	1.6
VE-ULTRA-C-375-3	9.5	14.3	2.4
VE-ULTRA-C-375-4	9.5	16	3.2
VE-ULTRA-C-375-5	9.5	19.1	4.8
VE-ULTRA-C-375-6	9.5	22.3	6.4
VE-ULTRA-C-500-1	12.7	14.3	0.8
VE-ULTRA-C-500-2	12.7	15.9	1.6
VE-ULTRA-C-500-3	12.7	17.5	2.4
VE-ULTRA-C-500-4	12.7	19.1	3.2
VE-ULTRA-C-500-5	12.7	22.3	4.7
VE-ULTRA-C-500-6	12.6	25.4	6.4
VE-ULTRA-C-625-1	15.9	17.5	1.6
VE-ULTRA-C-625-2	15.9	19.1	1.6
VE-ULTRA-C-625-3	15.9	20.7	2.4
VE-ULTRA-C-625-4	15.9	22.3	3.2
VE-ULTRA-C-625-5	15.8	25.4	4.8
VE-ULTRA-C-625-6	15.9	31.8	15.9
VE-ULTRA-C-750-1	19.1	20.7	0.8
VE-ULTRA-C-750-2	19.1	22.3	1.6
VE-ULTRA-C-750-3	19.1	23.9	2.4
VE-ULTRA-C-750-4	19	25.4	3.2
VE-ULTRA-C-750-5	19	28.6	4.8
VE-ULTRA-C-750-6	19	31.8	6.4
VE-ULTRA-C-875-1	22.2	23.8	0.8
VE-ULTRA-C-875-2	22.2	25.4	1.6
VE-ULTRA-C-875-3	22.2	27	2.4
VE-ULTRA-C-875-4	22.2	28.6	3.2
VE-ULTRA-C-875-5	22.2	31.8	4.8
VE-ULTRA-C-875-6	22.2	35	6.4
VE-ULTRA-C-1000-1	25.4	27	0.8
VE-ULTRA-C-1000-2	25.4	28.6	1.6
VE-ULTRA-C-1000-3	25.4	30.2	2.4
VE-ULTRA-C-1000-4	25.4	31.8	3.2
VE-ULTRA-C-1000-5	25.4	35	4.8
VE-ULTRA-C-1000-6	25.4	38.2	6.4

Pharmaceutical and biotechnology hoses

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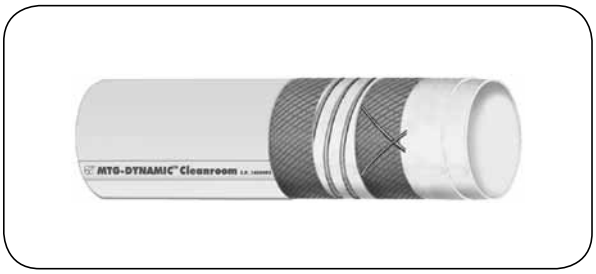
SILICONE STAR / HD

Internal layer: Half transparent silicone
Reinforcement: Four polyester braids, steel wire helix (AISI 316)
External layer: Half transparent silicone
Working temp.: From -60°C up to +180°C

Suction-delivery hoses made using platinum cure technology, resistant to UV radiation and ozone. Compliant with 1935/2004 CE, FDA 21 CFR 177.2600, USP class VI, European Pharmacopeia 3.1.9, BfR XV, Journal Officiel Brochure 1227. For working temperature above +100°C reduce the maximum working pressure given in the tables by 1% for each 1°C of temperature rise. Safety standard 4:1.

code	I.D. [mm]	O.D. [mm]	working press. 20°C [bar]	vacuum [bar]	bending radius [mm]	maximum length [m]
SO-SILICONESTAR-HD-010	9.5	21.9	10	0.98	45	4
SO-SILICONESTAR-HD-013	12.7	25.1	10	0.98	45	4
SO-SILICONESTAR-HD-019	19.05	31.45	10	0.98	65	4
SO-SILICONESTAR-HD-025	25.4	37.8	10	0.98	80	4
SO-SILICONESTAR-HD-032	31.8	44.2	10	0.98	120	4
SO-SILICONESTAR-HD-038	38.1	50.5	10	0.98	150	4
SO-SILICONESTAR-HD-051	50.8	63.2	10	0.98	180	4
SO-SILICONESTAR-HD-063	63.5	75.9	7	0.98	220	4
SO-SILICONESTAR-HD-076	76.2	88.6	4	0.88	250	4
SO-SILICONESTAR-HD-102	101.6	114	3	0.88	360	4



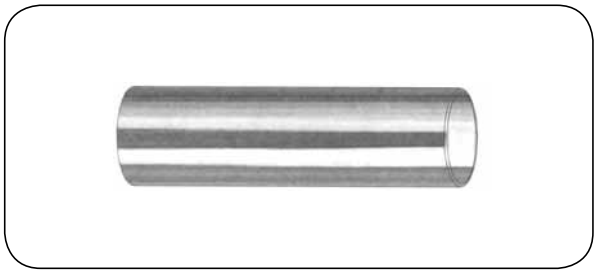
DYNAMIC Cleanroom-Platinum

Internal layer: White PFA fluoropolymer
Reinforcement: Polyester braids, steel wire helix (AISI 302)
External layer: Transparent silicone
Working temp.: From -30°C up to +150°C

Suction-delivery hose manufactured using platinum cure technology. Sterilization with steam (max. +135°C under 355 bar pressure for 30 min.). The internal layer compliant with FDA, USP Class VI, D.M. 21/03/73 and EU regulation 10/2011/EU. The external layer compliant with USP Class VI, FDA and European Pharmacopoeia. It conforms to EC 1935/2004 and 2023/2006/ EC (GMP). Free of materials of animal origin, phthalates, adipate and other materials restricted by EC Regulation No 1907/2006 (REACH). Safety factor 3:1.

code	I.D. [mm]	O.D. [mm]	working press. 20°C / 100°C [bar]	vacuum [bar]	bending radius stat. / dinam. [mm]	maximum length [m]
MT-DYNAMIC-CP-13	13	23	10 / 8	0.9	45 / 60	20
MT-DYNAMIC-CP-16	16	28	10 / 8	0.9	55 / 75	20
MT-DYNAMIC-CP-19	19	31	10 / 8	0.9	65 / 90	20
MT-DYNAMIC-CP-25	25	37	9 / 7.2	0.9	85 / 140	20
MT-DYNAMIC-CP-32	32	44	8 / 6.4	0.9	120 / 200	20
MT-DYNAMIC-CP-38	38	51	7 / 5.6	0.9	140 / 250	20
MT-DYNAMIC-CP-51	51	67	6 / 4.8	0.9	180 / 300	20
MT-DYNAMIC-CP-63	63.5	79.5	5 / 4	0.9	320 / 380	20
MT-DYNAMIC-CP-76	76	92	4 / 3.2	0.9	380 / 460	20

Pharmaceutical and biotechnology hoses



C-Flex

Material: Thermoplastic elastomer
Hardness: 60° Shore (A)
Working temp.: From -45°C up to +135°C
Key features: Heat sealable with C'eal-Flex™ TPE Ultra Sealer

Lightweight, transparent, flexible hose made of patented thermoplastic elastomer designed for biotechnological application. Suitable for peristaltic pump application. It is non-toxic, non-hemolytic, non-pyrogenic, high purity, easy heat sealable - properties which are essential for biotechnological processes. It can undergo autoclave, radiation or ethylene oxide sterilization. Resistant to concentrated acids and bases. Compliant with USP Class VI.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	standard length [m]
VE-374-125-2	3.2	6.4	1.6	15
VE-374-188-2	4.8	8	1.6	15
VE-374-188-3	4.8	9.6	2.4	15
VE-374-250-2	6.4	9.6	1.6	15
VE-374-250-3	6.4	11.2	2.4	15
VE-374-250-4	6.4	12.7	3.2	15
VE-374-313-3	8	12.7	2.4	15
VE-374-375-2	9.5	12.7	1.6	15
VE-374-375-3	9.5	14.3	2.4	15
VE-374-375-4	9.5	15.9	3.2	15
VE-374-500-3	12.7	17.5	2.4	15
VE-374-500-4	12.7	19.1	3.2	15
VE-374-625-4	15.9	22.3	3.2	15
VE-374-750-4	19	25.4	3.2	4.5
VE-374-750-6	19	28.3	4.8	4.5
VE-374-750-8	19	31.7	6.4	4.5
VE-374-1000-6	25.4	34.9	4.8	4.5
VE-374-1000-8	25.4	38.1	6.42	4.5