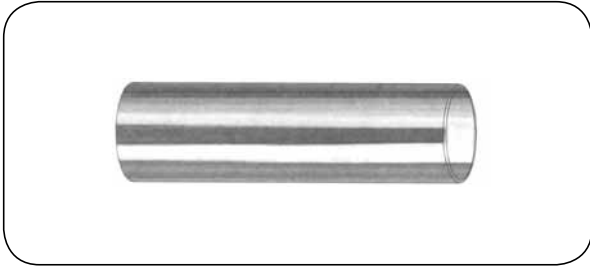


INDUSTRIAL HOSES - PTFE

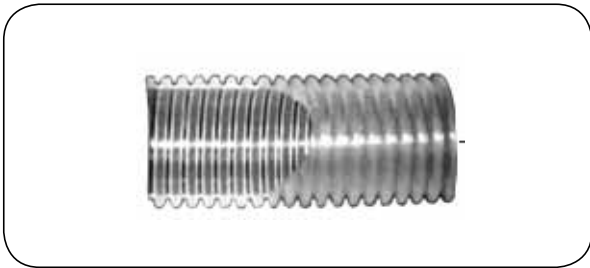


SMTO

Material: PTFE
Working temp.: From -60°C up to +260°C
 Pressure correction factor:
 0.8 from +40°C
 0.6 from +100°C
 0.2 from +150°C
 0.1 from +200°C

Lightweight, translucent, smooth bore hose made of PTFE highly resistant to chemicals. Designed for low-pressure installations transferring chemicals, paint, oil, air, water and water-based fluids. Not suitable for pneumatic push-in fittings.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bursting pressure [bar]	bending radius [mm]	weight [kg/m]
ZC-SMTO-01X03	1	3	1	56	168	15	0.014
ZC-SMTO-02X04	2	4	1	27	81	20	0.022
ZC-SMTO-03X04	3	4	0.5	10	30	25	0.013
ZC-SMTO-03X05	3	5	1	22	66	25	0.029
ZC-SMTO-03X06	3	6	1.5	30	90	25	0.049
ZC-SMTO-04X06	4	6	1	18	54	30	0.037
ZC-SMTO-05X08	5	8	1.5	20	60	35	0.071
ZC-SMTO-06X08	6	8	1	14	42	40	0.051
ZC-SMTO-07X10	7	10	1.5	16	48	50	0.093
ZC-SMTO-08X10	8	10	1	12	36	60	0.066
ZC-SMTO-09X12	9	12	1.5	13	39	70	0.113
ZC-SMTO-10X12	10	12	1	10	30	90	0.080
ZC-SMTO-12X14	12	14	1	8	24	110	0.095
ZC-SMTO-12,5X15	12.5	15	1.25	9	27	130	0.120
ZC-SMTO-13X15	13	15	1	8	24	180	0.102
ZC-SMTO-14X16	14	16	1	7	21	250	0.109
ZC-SMTO-15X18	15	18	1.5	8	24	320	0.167
ZC-SMTO-20X22	20	22	1	3	9	700	0.152



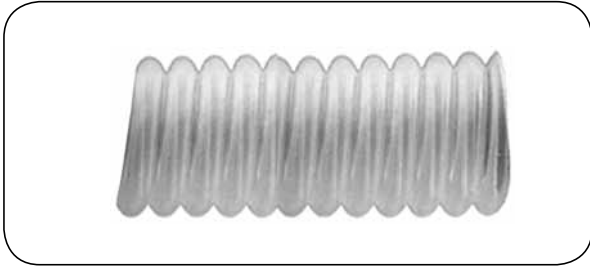
FXTO

Material: PTFE
Working temp.: From -70°C up to +260°C (working pressure depends on temperature)

Lightweight, translucent hose with smooth inside and corrugated outside PTFE. The construction combines properties of smooth hoses (ease of cleaning, uninterrupted flow) and high flexibility that is specific to corrugated hoses. An antistatic version is also available.

code	I.D. [mm]	O.D. [mm]	working pressure [bar]	weight [kg/m]
AF-FXTO-06	6.8	9	4	0.041
AF-FXTO-08	7.9	10	4	0.056
AF-FXTO-10	10	12.5	4	0.070
AF-FXTO-13	13.6	16.2	4	0.110
AF-FXTO-16	16.7	20	3	0.161
AF-FXTO-19	19.8	23.2	3	0.179
AF-FXTO-25	26.3	30.3	2	0.268

INDUSTRIAL HOSES - PTFE

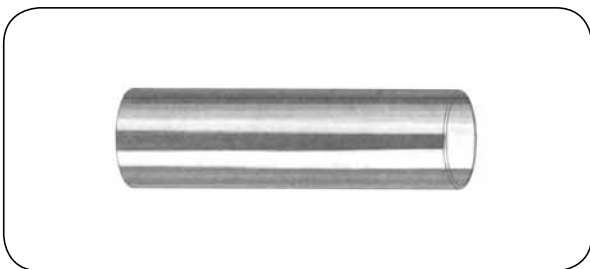


VISIFLON TO

Material: Helically corrugated PTFE
Working temp.: From -70°C up to +100°C

Lightweight, translucent hose made of helically corrugated PTFE. Extremely flexible. Resistant to full vacuum up to +80°C. An antistatic version is also available.

code	DN [inch]	flow diameter [mm]	O.D. [mm]	working pressure [bar]	bending radius [mm]	weight [kg/m]
AF-VFTO-10	3/8	6.3	10.7	4	25	0.06
AF-VFTO-13	1/2	9.5	14.1	4	38	0.08
AF-VFTO-16	5/8	12.7	19.8	4	50	0.13
AF-VFTO-19	3/4	16	21.2	3	75	0.17
AF-VFTO-25	1	22	29	3	89	0.24
AF-VFTO-32	1.1/4	28	34.2	2	100	0.34
AF-VFTO-38	1.1/2	35	45	2	150	0.42
AF-VFTO-50	2	47	59	2	200	0.63



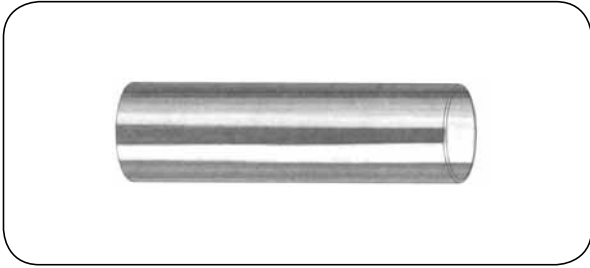
CHEMFLUOR PTFE

Material: PTFE
Working temp.: From -268°C up to +260°C

Lightweight, translucent hose with a smooth, non-porous surface. Excellent chemical resistance. It is not suitable for push-in fittings. Widely used in all branches of industry. Shore hardness (D) 58°, density 2.18. Safety factor 4:1. Hoses with inside diameter 2 ÷ 6 mm are available with 0.5 mm thick wall.

code	I.D. [mm]	tolerance [+/- mm]	wall thickness [mm]	tolerance [+/- mm]	working press. 20°C [bar]	bending radius [mm]	weight [g/m]
VE-CHEMPTFE-02X04	2	0.15	1	0.15	13.4	16	20.60
VE-CHEMPTFE-03X05	3	0.15	1	0.15	10.6	25	27.50
VE-CHEMPTFE-04X06	4	0.15	1	0.15	8.6	36	34.40
VE-CHEMPTFE-05X07	5	0.2	1	0.15	7.2	49	41.30
VE-CHEMPTFE-06X08	6	0.2	1	0.15	6.2	64	48.10
VE-CHEMPTFE-08X10	8	0.3	1	0.15	5	100	61.90
VE-CHEMPTFE-10X12	10	0.3	1	0.15	4.5	144	75.60
VE-CHEMPTFE-12X14	12	0.3	1	0.15	3.7	196	89.40
VE-CHEMPTFE-14X16	14	0.3	1	0.15	3.2	256	103.10
VE-CHEMPTFE-16X18	16	0.35	1	0.15	2.8	324	116.90
VE-CHEMPTFE-18X20	18	0.35	1	0.15	2.5	400	130.70

INDUSTRIAL HOSES - PTFE

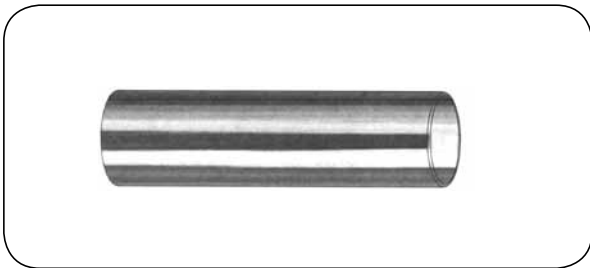


CHEMFLUOR FEP

Material: FEP
Working temp.: From -73°C up to +204°C

Lightweight, translucent hose made of fluorinated ethylene propylene with excellent chemical resistance. It is not suitable for push-in fittings. Widely used in all branches of industry, labs, etc. Shore hardness (D) 55°, density 2.17. The hose compliant with FDA requirements can be supplied on request. Safety factor 3:1.

code	I.D. [mm]	tolerance [± mm]	wall thickness [mm]	tolerance [± mm]	working press. 20°C [bar]	bending radius [mm]	standard length [m]
VE-CHEMFEP-02X04	2	0.1	1	0.1	27	16	50
VE-CHEMFEP-04X06	4	0.1	1	0.1	18	36	50
VE-CHEMFEP-06X08	6	0.1	1	0.1	14	64	50
VE-CHEMFEP-08X10	8	0.1	1	0.1	11	100	50
VE-CHEMFEP-10X12	10	0.1	1	0.1	9	144	50
VE-CHEMFEP-12X14	12	0.1	1	0.1	8	196	50



CHEMFLUOR PFA

Material: PFA
Working temp.: From -196°C up to +260°C
Hardness: 60 - 65° Shore (A)
Density: 2.17 g/cm³

Lightweight, translucent hose with a smooth, non-porous surface. Resistant to cracks caused by excessive stress. Excellent resistance to UV radiation. The hose compliant with FDA and USP Class VI standards (approval for use in pharmaceutical industry) can be supplied on request. Used in biomedical and pharmaceutical industry. Good insulating properties - suitable for electric cable insulation. Because of high plasticity, PFA is particularly recommended for industrial robots and installations that are prone to vibration.

code	I.D. [mm]	tolerance [± mm]	wall thickness [mm]	tolerance [± mm]	working press. 20°C [bar]	bending radius [mm]	standard length [m]
VE-CHEMPFA-02X03	2	0.1	0.5	0.1	18	18	50
VE-CHEMPFA-02X04	2	0.1	1	0.1	27	16	50
VE-CHEMPFA-03X06	3	0.1	1.5	0.1	27	24	50
VE-CHEMPFA-04X06	4	0.1	1	0.1	18	36	50
VE-CHEMPFA-06X08	6	0.1	1	0.1	13.5	64	50
VE-CHEMPFA-08X10	8	0.1	1	0.1	10.8	100	50
VE-CHEMPFA-09X12	9	0.1	1.5	0.1	13.5	96	50
VE-CHEMPFA-10X12	10	0.2	1	0.2	9	144	50