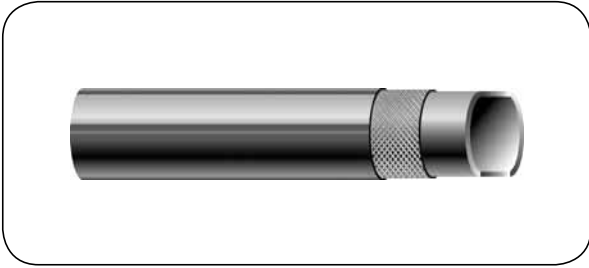


INDUSTRIAL HOSES - chemical

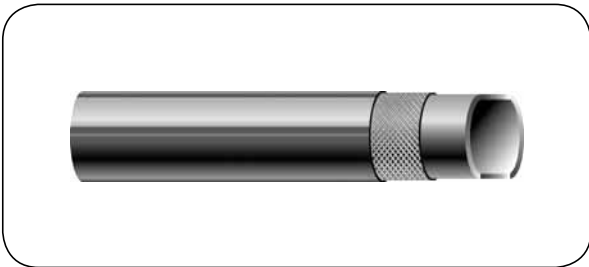


MP 20

Internal layer: Black EPDM rubber
Reinforcement: Textile braid
External layer: Black EPDM rubber
Working temp.: From -40°C up to +95°C
 (with peaks up to +110°C)

General purpose hose intended to transfer air, water, slightly aggressive chemicals, polyurethane paints, epoxy paints and water-soluble paints. Not suitable for cellulose paints, chlorinated rubber paints and aromatic solvents. Internal and external hose layers are antistatic $R < 10^6 \Omega$. (according to EN ISO 8031: 1997).

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|------------|--------------|--------------|------------------------------|-------------------------------|---------------------------|------------------|---------------------------|
| SP-MP20-06 | 6 | 13 | 20 | 80 | 40 | 0.15 | 100 |
| SP-MP20-08 | 8 | 15 | 20 | 80 | 50 | 0.18 | 100 |
| SP-MP20-10 | 10 | 17 | 20 | 80 | 60 | 0.21 | 100 |
| SP-MP20-13 | 13 | 21 | 20 | 80 | 80 | 0.30 | 100 |
| SP-MP20-16 | 16 | 24 | 20 | 80 | 100 | 0.35 | 100 |
| SP-MP20-19 | 19 | 28 | 20 | 80 | 115 | 0.47 | 50 |
| SP-MP20-25 | 25 | 35 | 20 | 80 | 150 | 0.67 | 50 |
| SP-MP20-32 | 32 | 44 | 20 | 80 | 200 | 1.05 | 50 |
| SP-MP20-38 | 38 | 50 | 20 | 80 | 250 | 1.20 | 50 |



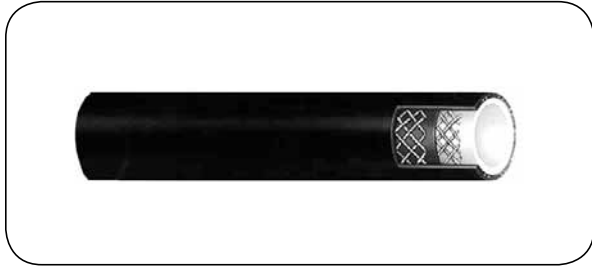
MPX 20

Internal layer: Black EPDM rubber
Reinforcement: Textile braid
External layer: Black EPDM rubber
Working temp.: From -40°C up to +100°C
 (with peaks up to +120°C)

General purpose hose intended to transfer air, water, slightly aggressive chemicals, polyurethane paints, epoxy paints and water-soluble paints. Not suitable for cellulose paints, chlorinated rubber paints and aromatic solvents. Internal and external hose layers are antistatic - $R < 10^6 \Omega$.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|-------------|--------------|--------------|------------------------------|-------------------------------|---------------------------|------------------|---------------------------|
| SP-MPX20-06 | 6 | 13 | 20 | 80 | 36 | 0.14 | 50 |
| SP-MPX20-08 | 8 | 15 | 20 | 80 | 50 | 0.17 | 50 |
| SP-MPX20-10 | 10 | 17 | 20 | 80 | 60 | 0.20 | 50 |
| SP-MPX20-13 | 13 | 21 | 20 | 80 | 80 | 0.29 | 50 |
| SP-MPX20-16 | 16 | 24 | 20 | 80 | 100 | 0.35 | 50 |
| SP-MPX20-19 | 19 | 28 | 20 | 80 | 114 | 0.46 | 50 |
| SP-MPX20-25 | 25 | 35 | 20 | 80 | 150 | 0.69 | 50 |
| SP-MPX20-32 | 32 | 44 | 20 | 80 | 200 | 1.05 | 50 |
| SP-MPX20-38 | 38 | 50 | 20 | 80 | 230 | 1.23 | 50 |

INDUSTRIAL HOSES - chemical

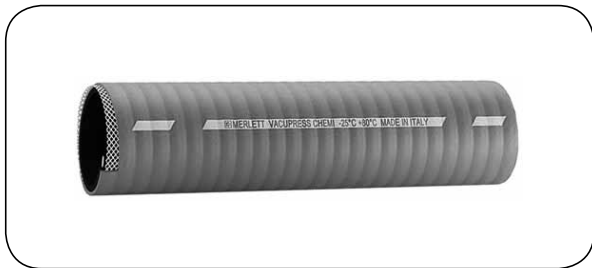


NR SPRAY

Internal layer: Polyamide (silicone-free)
Reinforcement: Textile braid
External layer: Black synthetic rubber
Working temp.: From -20°C up to +90°C

Delivery hose designed to transfer paints, lacquers, adhesives, solvents, turpentine, air, oil and a wide range of chemicals. It is widely used in the automotive industry for spray painting and for many other applications. External layer is antistatic - $R < 1M\Omega$ for 6 mm and 10 mm diameter. Safety factor 4:1.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|---------------|-----------|-----------|------------------------|---------------------|---------------|---------------------|
| GY-NRSPRAY-06 | 6.4 | 12.4 | 50 | 48 | 0.12 | 152.5 |
| GY-NRSPRAY-10 | 9.5 | 17.8 | 50 | 64 | 0.22 | 152.5 |
| GY-NRSPRAY-13 | 12.7 | 22.1 | 50 | 104 | 0.33 | 152.5 |
| GY-NRSPRAY-19 | 19.1 | 30.2 | 50 | 175 | 0.54 | 152.5 |
| GY-NRSPRAY-25 | 25.4 | 38.4 | 50 | 225 | 0.80 | 152.5 |



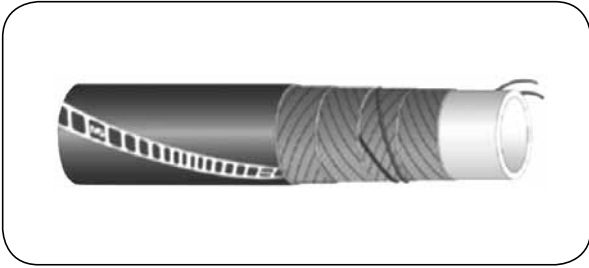
VACUPRESS CHEM

Internal layer: Santoprene thermoplastic rubber
Reinforcement: Polyester yarn, steel wire helix
External layer: Santoprene thermoplastic rubber
Working temp.: From -25°C up to +80°C (while cleaning with peaks up to +110°C for a moment)

Very lightweight, flexible suction-delivery hose designed to transfer chemicals. Resistant to detergents, weather conditions and abrasion according to ISO 4649:150 mm³. Smooth internal and external layers ensure the highest degree of cleanliness. Recommended for tank trucks and loading/reloading stations. A version with polyethylene inlay that extends the chemical resistance of the hose is also available (VACUPRESS SUPER CHEMI - diameter up to 63 mm).

| code | I.D. [mm] | O.D. [mm] | working press. 20°C [bar] | bursting press. 20°C [bar] | vacuum [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|-----------------|-----------|-----------|---------------------------|----------------------------|--------------|---------------------|---------------|---------------------|
| ME-VACUPRCH-019 | 19 | 28 | 15 | 45 | 0.9 | 70 | 0.38 | 60 |
| ME-VACUPRCH-025 | 25 | 35.5 | 14 | 42 | 0.9 | 80 | 0.58 | 60 |
| ME-VACUPRCH-030 | 30 | 40.5 | 10 | 30 | 0.9 | 85 | 0.65 | 60 |
| ME-VACUPRCH-032 | 32 | 42.5 | 10 | 30 | 0.9 | 90 | 0.70 | 60 |
| ME-VACUPRCH-035 | 35 | 47 | 10 | 30 | 0.9 | 95 | 0.85 | 60 |
| ME-VACUPRCH-038 | 38 | 50 | 10 | 30 | 0.9 | 100 | 0.92 | 30 |
| ME-VACUPRCH-040 | 40 | 52 | 10 | 30 | 0.9 | 110 | 0.97 | 30 |
| ME-VACUPRCH-045 | 45 | 57 | 10 | 30 | 0.9 | 120 | 1.10 | 30 |
| ME-VACUPRCH-050 | 50 | 63 | 10 | 30 | 0.9 | 130 | 1.28 | 30 |
| ME-VACUPRCH-060 | 60 | 73 | 9 | 27 | 0.9 | 160 | 1.55 | 30 |
| ME-VACUPRCH-063 | 63 | 76 | 9 | 27 | 0.9 | 180 | 1.60 | 30 |
| ME-VACUPRCH-076 | 76 | 91 | 8 | 24 | 0.9 | 230 | 2.35 | 30 |
| ME-VACUPRCH-080 | 80 | 95 | 8 | 24 | 0.9 | 250 | 2.40 | 30 |
| ME-VACUPRCH-090 | 90 | 106 | 8 | 24 | 0.9 | 280 | 2.75 | 30 |
| ME-VACUPRCH-102 | 102 | 118 | 7 | 21 | 0.9 | 310 | 3.10 | 30 |

INDUSTRIAL HOSES - chemical

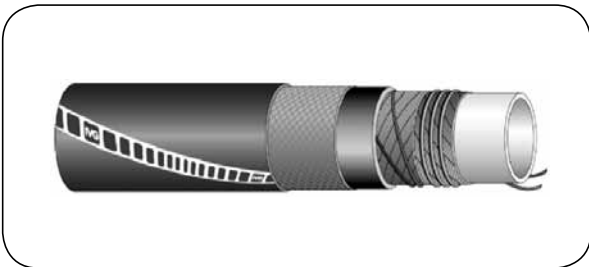


SUPERTOP UPE®

Internal layer: White UPE polyethylene
Reinforcement: Synthetic braid
External layer: Black EPDM rubber
Working temp.: From -30°C up to +100°C

Delivery hose designed to convey liquid chemicals. Widely used in chemical and petrochemical industry. The hose features copper wires to ensure electrical conductivity. The external layer is resistant to abrasion and weather conditions. Complies with FDA 21 CFR 177.1520 standard. Meets the requirements of EN12115:11 (M version).

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | weight [kg/m] | standard length [m] |
|---------------|-----------|-----------|------------------------|-------------------------|---------------|---------------------|
| IV-SUPUPE-013 | 13 | 25 | 16 | 64 | 0.41 | 60 |
| IV-SUPUPE-019 | 19 | 31 | 16 | 64 | 0.54 | 60 |
| IV-SUPUPE-025 | 25 | 37 | 16 | 64 | 0.66 | 60 |
| IV-SUPUPE-032 | 32 | 45 | 16 | 64 | 0.86 | 60 |
| IV-SUPUPE-038 | 38 | 52 | 16 | 64 | 1.10 | 60 |
| IV-SUPUPE-051 | 51 | 67 | 16 | 64 | 1.62 | 60 |
| IV-SUPUPE-063 | 63.5 | 79 | 16 | 64 | 1.90 | 60 |
| IV-SUPUPE-076 | 76 | 92 | 16 | 64 | 2.35 | 60 |
| IV-SUPUPE-102 | 102 | 118 | 16 | 64 | 2.96 | 60 |



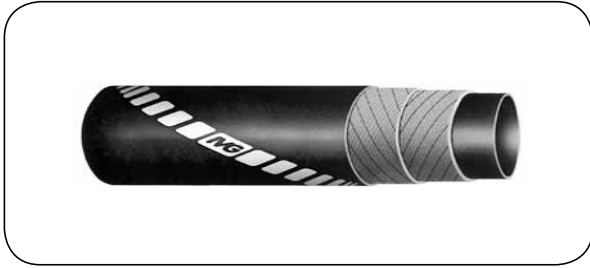
SUPERTOP / LL UPE®

Internal layer: White UPE polyethylene
Reinforcement: Synthetic braid, steel wire helix
External layer: Black EPDM rubber
Working temp.: From -30°C up to +100°C

Suction-delivery hose designed to convey liquid chemicals. Widely used in chemical and petrochemical industry. The hose features copper wires to ensure electrical conductivity. The external layer is resistant to abrasion and weather conditions. Complies with FDA 21 CFR 177.1520 standard. Meets the requirements of EN12115:11 (M version). Vacuum 0.9 bar.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|------------------|-----------|-----------|------------------------|-------------------------|---------------------|---------------|---------------------|
| IV-SUPUPE-LL-019 | 19 | 31 | 16 | 64 | 152 | 0.54 | 60 |
| IV-SUPUPE-LL-025 | 25 | 37 | 16 | 64 | 200 | 0.66 | 60 |
| IV-SUPUPE-LL-032 | 32 | 44 | 16 | 64 | 256 | 0.86 | 60 |
| IV-SUPUPE-LL-038 | 38 | 51 | 16 | 64 | 304 | 1.10 | 60 |
| IV-SUPUPE-LL-051 | 51 | 65 | 16 | 64 | 408 | 1.62 | 60 |
| IV-SUPUPE-LL-063 | 63.5 | 78 | 16 | 64 | 508 | 1.90 | 60 |
| IV-SUPUPE-LL-076 | 76 | 91 | 16 | 64 | 608 | 2.35 | 60 |
| IV-SUPUPE-LL-102 | 102 | 118 | 16 | 64 | 816 | 2.96 | 60 |

INDUSTRIAL HOSES - chemical



ORLANDO®

Internal layer: Black EPM rubber
Reinforcement: Synthetic braid
External layer: Black EPM rubber
Working temp.: From -40°C up to +100°C

Delivery hose designed to transfer acids, alkalis, industrial alcohol, polluted water, sea water, etc. The internal and external layer of the hose is antistatic.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | weight [kg/m] | standard length [m] |
|----------------|--------------|--------------|------------------------------|-------------------------------|------------------|---------------------------|
| IV-ORLANDO-019 | 19 | 29 | 10 | 40 | 0.42 | 120 |
| IV-ORLANDO-025 | 25 | 35 | 10 | 40 | 0.51 | 120 |
| IV-ORLANDO-032 | 32 | 42 | 10 | 40 | 0.60 | 120 |
| IV-ORLANDO-038 | 38 | 50 | 10 | 40 | 0.91 | 120 |
| IV-ORLANDO-051 | 51 | 64 | 10 | 40 | 1.30 | 120 |
| IV-ORLANDO-063 | 63.5 | 80.5 | 10 | 40 | 2.07 | 120 |
| IV-ORLANDO-076 | 76 | 92 | 10 | 40 | 2.27 | 120 |
| IV-ORLANDO-090 | 90 | 106 | 10 | 40 | 2.61 | 120 |
| IV-ORLANDO-102 | 102 | 121 | 10 | 40 | 3.63 | 120 |
| IV-ORLANDO-125 | 125 | 141 | 10 | 40 | 3.59 | 120 |



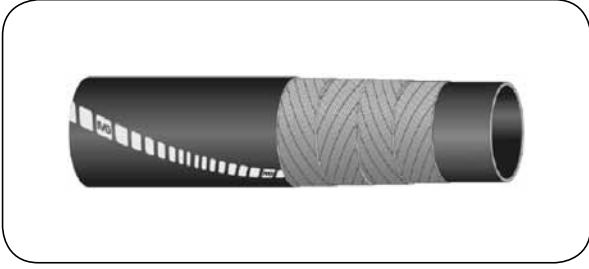
EVEREST®

Internal layer: Black EPM rubber
Reinforcement: Synthetic braid, steel wire helix
External layer: Black EPM rubber
Working temp.: From -40°C up to +100°C

Suction-delivery hose designed to transfer acids, alkalis, industrial alcohol, polluted water, etc. The internal and external layer of the hose is antistatic. Vacuum 0.9 bar

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|----------------|--------------|--------------|------------------------------|-------------------------------|---------------------------|------------------|---------------------------|
| IV-EVEREST-025 | 25 | 38 | 10 | 40 | 112 | 0.87 | 120 |
| IV-EVEREST-032 | 32 | 46 | 10 | 40 | 144 | 1.16 | 120 |
| IV-EVEREST-038 | 38 | 52 | 10 | 40 | 190 | 1.34 | 120 |
| IV-EVEREST-051 | 51 | 68 | 10 | 40 | 255 | 2.07 | 120 |
| IV-EVEREST-063 | 63.5 | 81 | 10 | 40 | 315 | 2.82 | 120 |
| IV-EVEREST-076 | 76 | 95 | 10 | 40 | 380 | 3.59 | 120 |
| IV-EVEREST-102 | 102 | 122 | 10 | 40 | 561 | 5.00 | 120 |

INDUSTRIAL HOSES - chemical

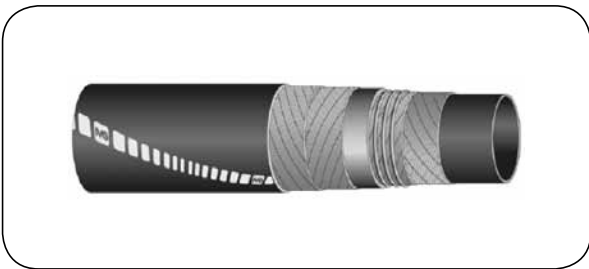


REAL®

Internal layer: Black Viton compound (FPM)
Reinforcement: Synthetic braid
External layer: Black CR rubber
Working temp.: From -25°C up to +100°C

Delivery hose designed to convey highly aggressive chemicals, concentrated aromatic compounds, hot oil in chemical and petrochemical industry. The external layer is resistant to weather conditions, abrasion, ozone and oils.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | weight [kg/m] | standard length [m] |
|-------------|-----------|-----------|------------------------|-------------------------|---------------|---------------------|
| IV-REAL-019 | 19 | 31 | 10 | 40 | 0.66 | 120 |
| IV-REAL-025 | 25 | 38 | 10 | 40 | 0.86 | 120 |
| IV-REAL-032 | 32 | 46 | 10 | 40 | 1.17 | 120 |
| IV-REAL-038 | 38 | 54 | 10 | 40 | 1.60 | 120 |
| IV-REAL-051 | 51 | 68.5 | 10 | 40 | 2.15 | 120 |
| IV-REAL-063 | 63.5 | 81 | 10 | 40 | 2.60 | 120 |
| IV-REAL-076 | 76 | 95 | 10 | 40 | 3.42 | 120 |
| IV-REAL-102 | 102 | 121 | 10 | 40 | 4.47 | 120 |



PROVIDENCE®

Internal layer: Black Viton compound (FPM)
Reinforcement: Synthetic braid, steel wire helix
External layer: Black CR rubber
Working temp.: From -25°C up to +100°C

Suction-delivery hose designed to convey highly aggressive chemicals, concentrated aromatic compounds, hot oil in chemical and petrochemical industry. The external layer is resistant to weather conditions, abrasion, ozone and oils. Vacuum 0.9 bar.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|-------------|-----------|-----------|------------------------|-------------------------|---------------------|---------------|---------------------|
| IV-PROV-019 | 19 | 30 | 10 | 40 | 85 | 0.68 | 120 |
| IV-PROV-025 | 25 | 36 | 10 | 40 | 110 | 0.88 | 120 |
| IV-PROV-032 | 32 | 46 | 10 | 40 | 140 | 1.47 | 120 |
| IV-PROV-038 | 38 | 52 | 10 | 40 | 165 | 1.63 | 120 |
| IV-PROV-051 | 51 | 68.5 | 10 | 40 | 250 | 2.55 | 120 |
| IV-PROV-063 | 63.5 | 81 | 10 | 40 | 320 | 3.20 | 120 |
| IV-PROV-076 | 76 | 95 | 10 | 40 | 360 | 3.99 | 120 |
| IV-PROV-102 | 102 | 122 | 10 | 40 | 612 | 6.20 | 120 |

INDUSTRIAL HOSES - chemical



MANICHEM MARBLE

Internal layer: Black & white UPE polyethylene
Reinforcement: Synthetic braid, steel wire helix
External layer: Black EPDM rubber
Working temp.: From -35°C up to +100°C

Suction-delivery hose developed to convey aggressive chemicals. Low coefficient of friction during medium transfer. The internal layer is antistatic and compliant with FDA, D.M. 21/03/73 EU 10/2011 standards. The external layer is antistatic ($R < 10^8 \Omega$), resistant to abrasion, ozone and weather conditions. It ensures distribution of electrostatic charge through the hose wall - $R < 10^9 \Omega$ (not only on the surface). Steam cleaning at temp. +130°C is permitted for a maximum of 30 min. Marked with Ex symbol (intended for use in potentially explosive zones). Manufactured according to EN12115:11 and EN 50014/ IEC 60079-0. Vacuum 0.9 bar.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|-------------------|--------------|--------------|------------------------------|-------------------------------|---------------------------|------------------|---------------------------|
| MT-MANICHEM-M-006 | 6 | 16 | 16 | 64 | 42 | 0.26 | 40 |
| MT-MANICHEM-M-008 | 8 | 20 | 16 | 64 | 56 | 0.36 | 40 |
| MT-MANICHEM-M-010 | 10 | 20 | 16 | 64 | 70 | 0.44 | 40 |
| MT-MANICHEM-M-013 | 13 | 23 | 16 | 64 | 85 | 0.42 | 40 |
| MT-MANICHEM-M-016 | 16 | 28 | 16 | 64 | 112 | 0.51 | 40 |
| MT-MANICHEM-M-019 | 19 | 31 | 16 | 64 | 125 | 0.65 | 40 |
| MT-MANICHEM-M-025 | 25 | 37 | 16 | 64 | 150 | 0.81 | 40 |
| MT-MANICHEM-M-032 | 32 | 44 | 16 | 64 | 175 | 1.00 | 40 |
| MT-MANICHEM-M-038 | 38 | 51 | 16 | 64 | 225 | 1.30 | 40 |
| MT-MANICHEM-M-050 | 50 | 66 | 16 | 64 | 275 | 2.20 | 40 |
| MT-MANICHEM-M-065 | 63.5 | 79.5 | 16 | 64 | 300 | 2.60 | 40 |
| MT-MANICHEM-M-075 | 75 | 91 | 16 | 64 | 350 | 3.15 | 40 |
| MT-MANICHEM-M-100 | 100 | 118 | 16 | 48 | 450 | 4.90 | 40 |
| MT-MANICHEM-M-125 | 125 | 146 | 12 | 36 | 1000 | 6.90 | 40 |
| MT-MANICHEM-M-150 | 150 | 174 | 12 | 36 | 1200 | 9.10 | 40 |

INDUSTRIAL HOSES - chemical



MANIFLON

Internal layer: White, mirrorlike MFA polymer
Reinforcement: Synthetic braid, steel wire helix
External layer: Black EPDM rubber
Working temp.: From -50°C up to +170°C

Suction-delivery hose designed to convey aggressive chemicals. Features excellent thermal and mechanical properties. Complies with CE 1935/2004 and CE 2023/2006. Free of plasticizers, phthalates and materials of animal origin in accordance with EU Regulation CE 1907/2006 (REACH). Internal layer complies with USP Class VI, FDA, D. M. 21/03/73 and European EU 10/2011 standard. The hose has two copper wires to provide electrical conductivity between the hose ends. Resistance - $R < 10^6 \Omega$ (M type). Meets the requirements of EN 12115:11 standard. Steam cleaning is acceptable for max. 30 minutes at +130°C. Vacuum 0.9 bar.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|-----------------|-----------|-----------|------------------------|-------------------------|---------------------|---------------|---------------------|
| MT-MANIFLON-013 | 13 | 25 | 16 | 64 | 90 | 0.55 | 20 |
| MT-MANIFLON-019 | 19 | 32 | 16 | 64 | 125 | 0.75 | 20 |
| MT-MANIFLON-025 | 25 | 38 | 16 | 64 | 150 | 0.95 | 20 |
| MT-MANIFLON-032 | 32 | 45 | 16 | 64 | 175 | 1.15 | 20 |
| MT-MANIFLON-038 | 38 | 51 | 16 | 64 | 225 | 1.50 | 20 |
| MT-MANIFLON-051 | 51 | 66 | 16 | 64 | 275 | 2.20 | 20 |
| MT-MANIFLON-063 | 63.5 | 79.5 | 16 | 64 | 300 | 3.00 | 20 |
| MT-MANIFLON-076 | 76 | 93 | 16 | 64 | 350 | 3.70 | 20 |
| MT-MANIFLON-100 | 100 | 118 | 16 | 64 | 500 | 5.00 | 20 |



CHEMSTAR / UPE / SD

Internal layer: Black UHMWPE polyethylene
Reinforcement: Textile braid, steel wire helix
External layer: Black EPDM rubber
Working temp.: From -30°C up to +100°C

Suction-delivery hose designed to convey liquid chemicals. Widely used in food, chemical and petrochemical industry. The hose has copper wire to ensure electrical conductivity between hose ends. External layer is resistant to abrasion and weather conditions. Meets the requirements of CE 1935/04 and CE 2023/06. The external layer is antistatic ($R < 10^6 \Omega$), resistant to abrasion, ozone and weather conditions. It ensures dissipation of electrostatic charges also through the hose wall ($R < 10^9 \Omega$) (not only on the surface). Marked with Ω/T symbol. Meets the requirements of EN 12115:11. Vacuum 0,9 bar. Safety factor 4:1.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|---------------------|-----------|-----------|------------------------|---------------------|---------------|---------------------|
| SO-CHEMSTAR-UPE-019 | 19 | 31 | 16 | 188 | 0.68 | 61 |
| SO-CHEMSTAR-UPE-025 | 25 | 37 | 16 | 225 | 0.83 | 61 |
| SO-CHEMSTAR-UPE-032 | 32 | 44 | 16 | 263 | 1.01 | 61 |
| SO-CHEMSTAR-UPE-038 | 38 | 51 | 16 | 338 | 1.16 | 61 |
| SO-CHEMSTAR-UPE-051 | 51 | 67 | 16 | 413 | 1.85 | 61 |
| SO-CHEMSTAR-UPE-063 | 63 | 79 | 16 | 450 | 2.58 | 61 |
| SO-CHEMSTAR-UPE-076 | 76 | 92 | 16 | 525 | 2.91 | 61 |
| SO-CHEMSTAR-UPE-102 | 102 | 118 | 16 | 675 | 3.93 | 61 |

INDUSTRIAL HOSES - chemical

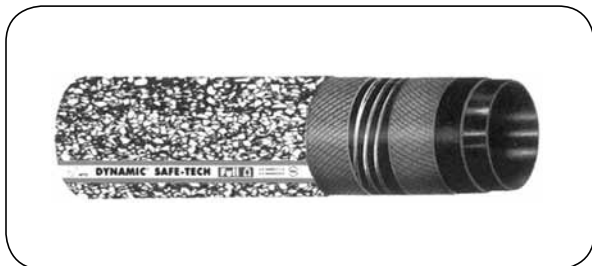


TEFLEX

Internal layer: Smooth FEP
Reinforcement: Synthetic braid, steel wire helix
External layer: Orange synthetic rubber
Working temp.: From -40°C up to +150°C

Suction- delivery hose designed to transfer a wide range of aggressive chemical products. Safety factor 4:1. Designed to be cleaned using CIP method at +150°C. Internal layer complies with USP Class VI, FDA 21 CFR 177.1550. Phthalate free. External layer resistant to ozone and weather conditions. The hose features copper wires to ensure electrical conductivity. Meets the requirements of EN12115 standard.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | vacuum [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|--------------|-----------|-----------|------------------------|--------------|---------------------|---------------|---------------------|
| IV-TEFLEX-19 | 19 | 31.5 | 16 | 0.9 | 90 | 0.70 | 40 |
| IV-TEFLEX-25 | 25 | 37.5 | 16 | 0.9 | 120 | 0.97 | 40 |
| IV-TEFLEX-32 | 32 | 45 | 16 | 0.9 | 150 | 1.19 | 40 |
| IV-TEFLEX-38 | 38 | 51.5 | 16 | 0.9 | 180 | 1.43 | 40 |
| IV-TEFLEX-51 | 51 | 65.5 | 16 | 0.9 | 250 | 2.04 | 40 |
| IV-TEFLEX-76 | 76 | 90 | 16 | 0.8 | 400 | 2.95 | 40 |



DYNAMIC SAFE-TECH

Internal layer: Black, mirrorlike PFA polymer
Reinforcement: Synthetic braid, steel wire helix
External layer: Black & white UPE polyethylene
Working temp.: From -35°C up to +130°C

Suction-delivery hose „Full Ohm” intended to the transfer of highly flammable substances. Widely used in the chemical, petrochemical, biotech, pharmaceutical, cosmetic industries and other application with enhanced safety requirements. Fully antistatic - $R < 10^9 \Omega$ (Ω /T. version), meets the requirements of EN 12115:11 standard. The hose is compliant with CE 1935/2004 and CE 2023/2006. Free of plasticizers, phthalates and materials of animal origin (according to EC 1907/2006 (REACH)). Internal layer is antistatic - $R < 10^6 \Omega$, complies with USP Class VI, FDA, UNI EN ISO 10993 and European EU 10/2011 standard. External layer, Marble type ($R < 10^6 \Omega$), ensures increased resistance to abrasion, ozone and weather conditions, is non-marking and made in accordance with FDA standard. Available with a copper wire, marked M/T. Vacuum 0.9 bar.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | bending radius [mm] | weight [kg/m] | standard length [m] |
|------------------|-----------|-----------|------------------------|-------------------------|---------------------|---------------|---------------------|
| MT-DYNAMIC-ST-13 | 13 | 25 | 10 | 40 | 135 | 0.55 | 20 |
| MT-DYNAMIC-ST-19 | 19 | 31 | 10 | 40 | 188 | 0.72 | 20 |
| MT-DYNAMIC-ST-25 | 25 | 37 | 10 | 40 | 225 | 0.89 | 20 |
| MT-DYNAMIC-ST-32 | 32 | 45 | 10 | 40 | 262 | 1.16 | 20 |
| MT-DYNAMIC-ST-38 | 38 | 51 | 10 | 40 | 338 | 1.47 | 20 |
| MT-DYNAMIC-ST-51 | 51 | 65.5 | 10 | 40 | 412 | 2.08 | 20 |
| MT-DYNAMIC-ST-63 | 63.5 | 79.5 | 10 | 40 | 450 | 2.80 | 20 |
| MT-DYNAMIC-ST-76 | 76 | 92 | 10 | 40 | 525 | 3.48 | 20 |

INDUSTRIAL HOSES - chemical



AMMOTECH

Internal layer: Black antistatic synthetic rubber
Reinforcement: Synthetic braid
External layer: Black antistatic, synthetic rubber
Working temp.: From -40°C up to +55°C

Delivery hose designed to convey anhydrous ammonia liquid or gas. Frequently used for the production of fertilizers. The hoses intended for ammonia transfer must be selected and handled with special care and attention as their service life is limited and the medium highly poisonous. Customers must contact Sales or Technical Department in order to select a complete hose assembly for ammonia transfer. Only steel fittings permanently crimped with ferrules can be used. Periodic testing and inspections are required to check the condition of the hose assembly. Only a properly trained operator can handle the ammonia hose. Complies with EN ISO 5771:1998. External and internal layers are antistatic - $R \leq 10^6 \Omega/m$.

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | weight [kg/m] | standard length [m] |
|----------------|-----------|-----------|------------------------|-------------------------|---------------|---------------------|
| IV-AMMOTECH-13 | 13 | 28 | 25 | 125 | 0.53 | 120 |
| IV-AMMOTECH-16 | 16 | 31 | 25 | 125 | 0.60 | 120 |
| IV-AMMOTECH-19 | 19 | 34 | 25 | 125 | 0.69 | 120 |
| IV-AMMOTECH-25 | 25 | 40 | 25 | 125 | 0.84 | 120 |
| IV-AMMOTECH-32 | 32 | 70 | 25 | 125 | 2.00 | 120 |



BLUE 10-20 BAR

Internal layer: Black EPDM rubber
Reinforcement: Synthetic braid
External layer: Black EPDM rubber
Working temp.: From -40°C up to +100°C

Delivery hose designed to transfer 32.5% high-purity aqueous urea solution referred to as AdBlue. In the automotive industry, AdBlue is used SCR catalyst systems to reduce nitrogen oxides (NOx) emissions - engine exhaust pollutants. Internal layer is antistatic ($R < 1 M\Omega/m$) and sulphur-free. Not contaminated with additives according to ISO 22241-2 standard, I method - verified by CERISIE laboratory (RP. n. 273/2014). External layer is antistatic ($R < 1 M\Omega/m$).

| code | I.D. [mm] | O.D. [mm] | working pressure [bar] | bursting pressure [bar] | weight [kg/m] | standard length [m] |
|--------------|-----------|-----------|------------------------|-------------------------|---------------|---------------------|
| BLUE 10 BAR | | | | | | |
| IV-BLUE10-16 | 16 | 23 | 10 | 30 | 0.27 | 60 |
| IV-BLUE10-19 | 19 | 27 | 10 | 30 | 0.37 | 40 |
| IV-BLUE10-25 | 25 | 36 | 10 | 30 | 0.68 | 40 |
| BLUE 20 BAR | | | | | | |
| IV-BLUE20-08 | 8 | 15 | 20 | 60 | 0.16 | 100 |
| IV-BLUE20-10 | 10 | 17 | 20 | 60 | 0.19 | 90 |
| IV-BLUE20-13 | 13 | 20 | 20 | 60 | 0.23 | 60 |
| IV-BLUE20-16 | 16 | 26 | 20 | 60 | 0.43 | 60 |
| IV-BLUE20-19 | 19 | 30 | 20 | 60 | 0.56 | 40 |
| IV-BLUE20-25 | 25 | 37 | 20 | 60 | 0.76 | 40 |