

CHEMICAL HOSES

SUPERCHEM®/UPE/EN

Extremely flexible suction and pressure hose for aggressive chemicals



Extremely flexible suction and pressure hose for aggressive chemicals, designed for the chemical and petrochemical industries. The UPE liner provides broad chemical resistance, and the combination of textile reinforcement and steel spiral delivers high burst strength (64 bar) at a working pressure of 16 bar.

R: $<10^9 \Omega$

Media: Liquid

Temp: -30 °C to 100 °C

✓ Cut to length

APPLICATIONS

- Loading and unloading of chemicals at tank trucks and terminals
- Internal conveying of aggressive solvents in process plants
- Flammable liquids in classified zones (per TRbF 131)
- Acid and base handling in surface finishing industries
- Concentrated chemicals in water and wastewater treatment
- Pneumatic conveying not applicable -- the hose is primarily for liquids

Technical specifications

Material	UPE (ultra-high molecular weight polyethylene) with EPDM cover
Colour	Black (outer cover)
Wall construction	Smooth UPE liner, textile reinforcement, steel spiral, EPDM cover (wrapped)
Spiral material	steel spiral, embedded between textile reinforcement layers
Conveying media	Liquid
Temperature range	-30 °C – 100 °C
Electrical resistance	<10 ⁹ Ω
Cut to length	Yes
Manufacturer SKU	3805

Standards and compliance

REACH, RoHS

Dimensions and ordering

The hose is supplied in 8 standard sizes from inner Ø 19 mm to 100 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
19	31	6	16	64	0.9	187	40	0.71	40	3805019000
25	37	6	16	64	0.9	225	40	0.89	40	3805025000
32	44	6.5	16	64	0.9	262	40	1.08	40	3805032000
38	51	6.5	16	64	0.9	337	40	1.27	40	3805038000
50	66	8	16	64	0.9	412	40	2.1	40	3805050000
63	79	8	16	64	0.9	450	40	2.51	40	3805063000
75	91	8	16	64	0.9	525	40	2.92	40	3805075000
100	116	8	16	64	0.9	675	20	4.15	20	3805100000

Actual roll lengths may vary; production lengths up to 40 m are standard, while the 100 mm variant is supplied in 20 m rolls.

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Contact and advisory

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