



chemical hoses

for liquid and gaseous chemicals

acc. to DIN EN 12115 as well as TRbF 131.2 and VbF

construction / abilities: 2 layers of textile braiding, crossed copper helix (for type „M“) and covered steel helix (for type „SD“), flexible and smooth; hose cover with continuous – coloured – marking acc. to chemical standard rules (EN 12115)

electr. resistance: type „M“ = $R \leq 10^2$ / type „Ω“ = $R \leq 10^6$

tank truck hose „T.-S“ - conductivity: Ω/T

for petroleum based products of all kind with aromatic contents up to 50 %, unrefined, herbal and animal fats, emulsion, sea water, cooling water and air

lining: NBR 1, black - **cover:** chloroprene (CR), conductive, black with yellow marking

temperature range: -30 °C up to +80 °C, for short periods up to +110 °C, depending on medium

type „TO“ (D) also suitable for use with liquid-filled-systems

multi purpose hose „T.-E“ - conductivity: Ω/T

for a wide range of chemicals, salt solution, wash liquor, concentrated lye, non-oxidizing acids, chemical waste water, amines, acetate, aldehyde, ester, ketones, alcohol, hot water and non-oily hot air

lining: EPDM, black - **cover:** EPDM, conductive, black with purple marking

temperature range: -40 °C up to +100 °C, depending on medium – for saturated steam up to +150 °C / 30 min. max

multi purpose hose „T.-CB“ - conductivity: Ω/T

same kind of use as type „T.-E“; also suitable for use with heavy diffusing media

lining: CIIR/chlorobutyl rubber, black - **cover:** chloroprene (CR), conductive, black with pink marking

temperature range: -40 °C up to +90 °C, depending on medium – for saturated steam up to +150 °C / 30 min. max

solvent hose „T.-LM“ - conductivity: Ω/T

for aromatic and aliphatic solvents and other petroleum based products with aromatic contents of more than 50%

lining: NBR special, blue, conductive - **cover:** NBR/PVC (DN63 upwards: CR), conductive, black with blue marking

temperature range: -20 °C up to +80 °C, for short periods up to +100 °C, depending on medium

Attention!

DIN EN 12115 : 2011 differentiates about conduction of electric charge as follows:

conductive Ω = hose is conductive by itself – grounding by copper helix is not necessary anymore

conductive Ω/T = hose is conductive by itself – electric resistance from lining to cover max. $10^9 \Omega$

conductive M = conductivity only by metallic conductor (grounding strand / copper helix)

conductive M/T = conductivity only by metallic conductor (grounding strand) – electric resistance from lining to cover max. $10^9 \Omega$

type „TO“ – pressure hose („D“) without steel helix

DN	ID mm	wall thckn. mm	working pressur bar	max. vacuum bar	bend. radius mm	weight kg/m
13	13	5	16	0,5	60	0,4
19	19	6	16	0,5	125	0,6
25	25	6	16	0,4	150	0,8
32	32	6	16	0,4	175	1,0
38	38	6,5	16	0,4	225	1,2
50	50	8	16	0,3	275	2,0
63	63	8	16	-	300	2,4
75	75	8	16	-	350	2,8
100	100	8	16	-	450	3,8
150	150	10	16	-	800*)	5,7
200	200	11	10	-	1000*)	9,0

production lengths: 40 m / DN 150 = 30 m / DN 200 = 10 m

*) only valid with pressure of at least 1 bar, otherwise the hose is endangered to fold

type „TW“ – suction and pressure hose („SD“) with steel helix

DN	ID mm	wall thckn. mm	working pressure bar	max. vacuum bar	bend. radius Mm	weight kg/m
19	19	6	16	0,9	125	0,7
25	25	6	16	0,9	150	1,0
32	32	6	16	0,9	175	1,2
38	38	6,5	16	0,9	225	1,4
50	50	8	16	0,9	275	2,1
63	63	8	16	0,9	300	2,7
75	75	8	16	0,9	350	3,3
100	100	8	16	0,9	450	4,7
150	150	11	16	0,8	800	9,8
200	200	12	16	0,8	1000	14,7

production lengths: 40 m / DN 150 = 30 m / DN 200 = 10 m

Hose cover or uncovered hose ends should not get in contact with conveyed media!

Please do always quote medium (concentration), working pressure and temperature along with your inquiry / order.