



UNIVERSAL CHEMICAL HOSES

as suction and discharge hoses (SP) for liquid and gaseous chemicals in compliance with DIN EN 12115 & TRbF 131.2

construction / abilities:

at least 2 layers of textil braids, covered steel helix, flexible and smooth
hose cover with continuous – coloured – marking acc. to chemistry standard rules (EN 12115);
electrical resistance: $\Omega = R \leq 10^6$

Type „CHI-UPE“ PN 16 conductive: Ω

for 95 % of all industrial chemicals, especially for chemical and petrochemical industries (also all kinds of fuel and solvent) NOT resistant against oleum, bromine, bromine compound and chlorosulfuric acid

liner: UPE (UHM-PE), black, seamless smooth, **electro-conductive**

cover: EPDM, black, **blue**-white marking, resistant against abrasion, chemicals, ozone and UV radiation, **electro-conductive**

temperature range: -30 up to +100°C, depending on medium and concentration; steaming out at +130°C for max. 30 minutes (open system)

DN	ID mm	wall mm	working press. *) bar	vacuum max.	bend. radius mm	weight kg/m
19	19	6	16	90 %	125	0,6
25	25	6	16	90 %	150	0,8
32	32	6	16	90 %	175	0,9
38	38	6,5	16	90 %	225	1,2
50	50	8	16	90 %	275	1,6
63	63	8	16	90 %	300	2,4
75	75	8	16	80 %	350	2,8
100	100	8	16	80 %	450	4,4

production lengths: up to 40 m; *) burst pressure min.: 64 bar

Type „CHI-UPE-SUPER“ PN 16 conductive: Ω

same appliance as type „CHI-UPE“

liner: UPE, **polymerized**, black, seamless smooth, **electro-conductive**

cover: EPDM, black, **blue**-white marking, resistant against abrasion, chemicals, ozone and UV radiation, **electro-conductive**

temperature range: -30 up to +100°C, depending on medium and concentration; steaming out at +130°C for max. 30 minutes (open system)

DN	ID mm	wall mm	working press. *) bar	vacuum max.	bend. radius mm	Weight kg/m
13	13	5	16	90 %	100	0,4
19	19	6	16	90 %	125	0,7
25	25	6	16	90 %	150	0,9
32	32	6	16	90 %	175	1,2
38	38	6,5	16	90 %	225	1,6
50	50	8	16	90 %	275	2,1
63	63	8	16	90 %	300	2,8
75	75	8	16	80 %	350	3,3
100	100	8	16	80 %	500	4,7

production lengths: up to 40 m; *) burst pressure min.: 64 bar

Type „FEP-PLUS“ PN 16 conductive: Ω

for all common chemicals, especially for high-purity products, also for use with potable water – in compliance with KTW recommendations

liner: Teflon® FEP, transparent, seamless smooth, in compliance with FDA and USP Cl.VI, antiadhesive, not dyeing, not leaching

cover: EPDM, grey with conductive stripe (up to DN50) or black (DN 63 – 100), **blue**-white-**red** marking resistant against abrasion, flames, ozone and UV radiation

temperature range: -30 up to +100°C, for short periods up to +130°C, depending on medium and concentration; steaming out at +130°C for max. 30 min. (open system)

DN	ID mm	wall mm	working press. *) bar	vacuum max.	bend. radius mm	weight kg/m
19	19	6	16	90 %	80	0,7
25	25	6	16	90 %	100	1,0
32	32	6	16	90 %	120	1,1
38	38	6,5	16	90 %	150	1,5
50	50	8	16	90 %	200	2,3
63	63	8	16	90 %	250	2,7
75	75	8	16	90 %	300	3,1
100	100	8	16	80 %	400	4,6

production lengths: up to 40 m; *) burst pressure min.: 64 bar

DN 13 - 19 - 25 also as discharge hose without helix available