

Rubber chemical hoses (TPV) - for light and medium aggressive chemicals



VACUPRESS® CHEMI

Lightweight and flexible hose for chemicals Lining: TPV thermoplastic

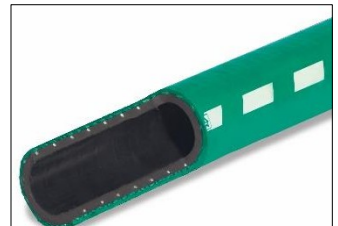
rubber

Reinforcement: polyester braid, galvanised steel spiral

Outer layer: thermoplastic TPV rubber

Operating temp: -25°C to +80°C
(working pressure dependent on temperature)

A very lightweight, flexible suction and delivery hose for the transfer of chemicals. Made of thermoplastic vulcanised TPV - a material combining the processing advantages of thermoplastic polymers (PP - polypropylene) with the properties of vulcanised rubber (EPDM). Good chemical resistance - similar to EPDM rubber allows its use with many substances, including acids (hydrochloric, sulphuric), bases, salts, alcohols, glycols and ketones, concentrated detergents. Not recommended for fuels, oils, aromatic solvents. Resistant to weathering, ageing and abrasion. The low weight and small bending radius of the hose ensure ease of handling, which can be an advantage when handling from tanks and containers.



On special order, the VACUPRESS SUPER CHEMI version is available (diameters up to 63 mm), with an inner layer lined with polyethylene (LLDPE), which increases the chemical resistance of the hose and enables it to be used for concentrated hydrochloric and sulphuric acids, nitric acid and aggressive herbicides and insecticides, among others.

Chemical resistance check: EPDM chemical resistance table (pre-selection), TPV resistance table (available from Tubes International, pre-selection), confirmation of resistance and application conditions by Tubes International.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [20°C] [bar]	working pressure [60°C] [bar]	Burst pressure [20°C] [bar]	vacuum [20°C] [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-VACUPRCH-019	19	28	4,5	15	8	45	0,9	80	0,38	60
ME-VACUPRCH-025	25	35,5	5,25	14	6	42	0,9	100	0,58	60
ME-VACUPRCH-030	30	40,5	5,25	10	6	30	0,9	120	0,65	60
ME-VACUPRCH-032	32	42,5	5,25	10	6	30	0,9	130	0,73	60
ME-VACUPRCH-035	35	47	6	10	6	30	0,9	140	0,85	60
ME-VACUPRCH-038	38	50	6	10	6	30	0,9	150	0,92	30
ME-VACUPRCH-040	40	52,5	6,25	10	6	30	0,9	160	0,97	30
ME-VACUPRCH-045	45	57	6	10	6	30	0,9	180	1,10	30
ME-VACUPRCH-050	50	62,5	6,25	10	5	30	0,9	200	1,28	30
ME-VACUPRCH-060	60	73	6,5	9	4	27	0,9	240	1,55	30
ME-VACUPRCH-063	63	76	6,5	9	4	27	0,9	250	1,60	30
ME-VACUPRCH-076	76	91	7,5	8	4	24	0,9	310	2,40	30
ME-VACUPRCH-080	80	95	7,5	8	4	24	0,9	320	2,40	30
ME-VACUPRCH-090	90	105,5	7,75	8	4	24	0,9	360	2,75	30
ME-VACUPRCH-102	102	118	8	7	3	21	0,9	410	3,10	30

Note: Indexes highlighted in colour - most commonly used.



VACUPRESS CHEMI hose DN19 with connector CAMLOCK connector in polypropylene mounted with two worm bands in AISI 316 steel.



VACUPRESS CHEMI DN25 hose with IBC connector for pallet container (AC-IBF060-H100) in polypropylene mounted with two AISI 316 steel worm bands. White standard LDPE polyethylene gasket visible.



VACUPRESS CHEMI hose DN76 with TANK WAGEN coupling (TW-MK-080-SS) in AISI 316 stainless steel screwed onto an external threaded end (GD-VSLB-080-075-SS) in AISI 316 steel mounted in the hose with an aluminium shell clamp. Green standard hypalon seal (CSM) visible.