Chemically resistant hoses

GRIPFLEX FKM (VITON)

Hose for extraction/transfer of chemical, paint and solvent fumes at elevated temperatures

Material: polyester fabric coated with FKM, antistatic, black outer

Reinforcement: CLIP type - outer spiral of galvanised steel wire and strip, left-hand (stainless steel option)

Working temperature: from -25°C to +210°C

Lightweight, highly flexible and pliable, chemically resistant hose designed for extraction/transfer of chemically aggressive solvent, paint, hydrocarbon and chemical fumes, etc. Thanks to conductive FKM rubber it has antistatic properties (surface resistivity R < 10^6 Ω). Very good resistance to oil, aromatics, most acids and chemicals. Excellent resistance to elevated temperature. Resistant to UV radiation and ozone. It features high compressibility - up to 1:6, a strong construction resistant to vibration and stretching, and impact resistance thanks to the external spiral. Used in the paint, chemical and paper industries. Also available with a stainless steel spiral (from 80 mm diameter). Hose assembly on fittings using bridge clamps (left-hand).

Chemical resistance check: FKM chemical resistance table (preliminary selection), confirmation of resistance and application conditions by Tubes International.

FKM – fluoroelastomer, fluororubber - synthetic rubber with particularly good resistance to high temperature. Resistant to fuels and oils and a wide range of aggressive chemicals. With limited resistance to, among others, hot water, steam and alcohols. Widely used in aviation, automotive and the chemical industry for seals and other high-quality, durable products. First introduced to the market by DuPont (Viton®).

index	diameter inner [mm]	working pressure 23ºC [bar]	vacuum 23ºC [bar]	bending radius [mm]	weight approximate [kg/m]	length standard [m]
TS-VITON-050	50	0,9	0,4	30	0,4	2 to 10
TS-VITON-060	60	0,78	0,278	36	0,5	2 to 10
TS-VITON-065	65	0,68	0,237	39	0,5	2 to 10
TS-VITON-070	70	0,67	0,204	42	0,5	2 to 10
TS-VITON-075	75	0,62	0,178	45	0,6	2 to 10
TS-VITON-080	80	0,61	0,156	48	0,6	2 to 10
TS-VITON-090	90	0,56	0,123	54	0,6	2 to 10
TS-VITON-100	100	0,51	0,1	60	0,6	2 to 10
TS-VITON-110	110	0,48	0,083	66	0,7	2 to 10
TS-VITON-120	120	0,36	0,07	72	0,7	2 to 10
TS-VITON-125	125	0,33	0,064	75	0,8	2 to 10
TS-VITON-130	130	0,28	0,059	78	0,8	2 to 10
TS-VITON-140	140	0,25	0,051	84	0,8	2 to 10
TS-VITON-150	150	0,22	0,044	90	0,9	2 to 10
TS-VITON-160	160	0,21	0,039	96	0,9	2 to 10
TS-VITON-170	170	0,19	0,035	102	0,9	2 to 10
TS-VITON-175	175	0,185	0,033	105	1	2 to 10
TS-VITON-180	180	0,172	0,031	108	1	2 to 10
TS-VITON-200	200	0,148	0,025	120	1,2	2 to 10
TS-VITON-215	215	0,128	0,022	129	1,3	2 to 10
TS-VITON-225	225	0,115	0,02	135	1,4	2 to 10
TS-VITON-250	250	0,1	0,016	175	1,6	2 to 10
TS-VITON-275	275	0,08	0,013	193	1,9	2 to 10
TS-VITON-300	300	0,07	0,011	210	2,1	2 to 10
TS-VITON-315	315	0,062	0,01	221	2,1	2 to 10
TS-VITON-325	325	0,059	0,01	228	2,2	2 to 10
TS-VITON-350	350	0,056	0,008	245	2,5	2 to 10
TS-VITON-375	375	0,05	0,007	263	2,9	2 to 10
TS-VITON-400	400	0,047	0,006	280	3,1	2 to 10
TS-VITON-450	450	0,045	0,005	360	3,6	2 to 10
TS-VITON-500	500	0,043	0,004	400	4,1	2 to 10
TS-VITON-600	600	0,039	0,003	480	5,1	2 to 10
TS-VITON-700	700	0,031	0,002	560	6	2 to 10
TS-VITON-800	800	0,022	0,002	640	6,9	2 to 10
TS-VITON-900	900	0,016	0,001	720	7,8	2 to 10