Chemical hoses TYGON® and VERSILON™



VERSILON™ F-5500-A

Viton hose with high chemical and temperature resistance, also for peristaltic pumps

Material:	fluoroelastomer (FKM, viton)
Working temperature:	up to +204°C
Brittleness temp.:	-51°C
Hardness:	60 Shore (A)
Density:	1.90 g/cm^3

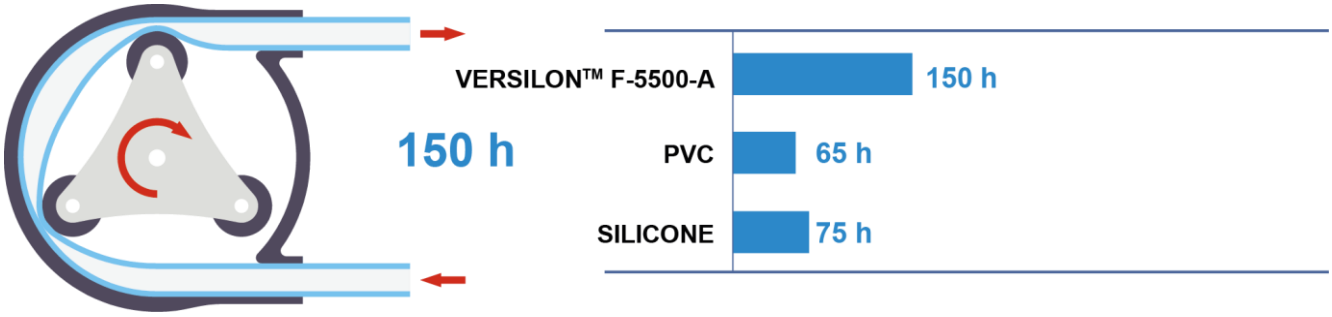


Top-quality, black, opaque, flexible and soft fluororubber hose which, thanks to its physical and chemical properties, can operate in harsh conditions, also at elevated temperature (up to +204°C). Highly resistant to a range of aggressive chemicals: concentrated acids, hydrocarbons, alcohol, hot oil and fuels, solvents. Used, among others, for cleaning solvents (dry cleaners, solvent recovery systems). Suitable for peristaltic pumps. Resistant to ozone, sunlight and weather. The opaque black hose wall fully protects light-sensitive substances. The hose production process with post-vulcanisation heat treatment removes all residues and ensures minimal outgassing, required in vacuum and space applications. Used in laboratories and general industrial applications. Compliant with RoHS 2011/65/EU. Pressure safety factor 5:1. Assembled onto hose tails and ends using clamps. We recommend that hose selection for chemical applications be made in consultation with Tubes International specialists.

index	*(index old)*	diameter inner [mm]	diameter outer [mm]	wall wall [mm]	working pressure 23°C / 135°C [bar]	vacuum 23°C / 135°C [mm Hg]	bending radius [mm]	weight [kg/m]	length full length [m]
VE-AGN00002	VE-T5502-13	1,6	3,2	0,8	1,24 / 0,83	760 / 760	6,4	0,011	15
VE-AGN00007	VE-T5504-23	3,2	6,4	1,6	1,31 / 0,9	760 / 760	12,7	0,046	15
VE-AGN00012	VE-T5506-23	4,8	8,0	1,6	1,03 / 0,62	760 / 760	19,1	0,061	15
VE-AGN00017	VE-T5508-23	6,4	9,6	1,6	0,9 / 0,55	635 / 508	25,4	0,076	15
VE-AGN00022	VE-T5510-23	8,0	11,2	1,6	0,76 / 0,41	381 / 254	31,8	0,092	15
VE-AGN00027*	VE-T5512-23	9,5	12,7	1,6	0,69 / 0,34	254 / 127	50,8	0,106	15

* - minimum order quantities apply for this size

HOSE SERVICE LIFE IN A PERISTALTIC PUMP



Service life in operating hours (h) until hose failure for various hose types. Hose 6.4 x 9.6 mm, standard 3-roller peristaltic pump, 600 rpm at 23°C, no back pressure. Indicative data.