

Rubber hoses for foodstuffs with fluoropolymer inner layer



PHARMAFLON

Hose for food substances requiring the highest purity

Inner layer	MFA smooth fluoropolymer
Reinforcement:	synthetic cord, steel spiral
Outer layer:	smooth EPDM rubber
Operating temp:	-50°C to +170°C (for most chemicals)

Suction-delivery hose designed to transfer pharmaceutical products, cosmetic products, foodstuffs, chemicals (selection according to the section "Chemical hoses" in this catalogue). Does not contain plasticizers, phthalates or substances of animal origin. It is characterised by high thermal and mechanical strength. It is the perfect solution for processing industries requiring the highest safety when transferring high-purity products. The outer layer is abrasion, ozone and weather resistant. It has two copper cords to ensure electrical continuity between the hose ends.

Cleaning:

hot water	steam	oxidizing acids (peracetic, nitric), hydrogen peroxide	non-oxidising acids (phosphoric acid)	chlorine, sodium hypochlorite	sodium hydroxide
		3%	5%	200 ppm	5%
95°C / 30 min	130°C / 30 min	max 80°C	max 80°C	80°C / a few minutes	max 80°C

Standards and requirements:

General: EC 2002/95 (RoHS), EC 1907/2006 (REACH),
Food industry, food contact: 1935/2004/EC and 2023/2006/EU (GMP). Inner layer in accordance with 10/2011/EC, D.M. 21/03/73, FDA 21 CFR 177.1550. Layer outer layer complies with FDA 21 CFR 177.2600, D.M. 21/03/73. Pharmaceutical industry: USP Class VI (inner layer).



Assembly:

Spigot ('tail' to the hose) ends should be used that are smooth and do not have sharp or high notches that could cut or damage the MFA inner layer when clamped. The diameter of the spigot should be exactly matched to the diameter of the hose to ensure tightness. Installation with collets or shell clamps.

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
MT-PHARMA-13	13	25	6	10	0,9	60	0,55	20
MT-PHARMA-19	19	31	6	10	0,9	90	0,72	20
MT-PHARMA-25	25	37	6	10	0,9	140	0,89	20
MT-PHARMA-32	32	45	6,5	10	0,9	200	1,20	20
MT-PHARMA-38	38	51	6,5	10	0,9	250	1,47	20
MT-PHARMA-51	51	65,5	7,25	10	0,9	300	2,08	20
MT-PHARMA-63	63,5	79,5	8	10	0,9	380	3,00	20
MT-PHARMA-76	76	92	8	10	0,9	500	3,48	20
MT-PHARMA-100	100	116	8	10	0,9	550	4,90	20

Note: indexes highlighted in colour - most commonly used