

PVC food hoses



ALIFLEX

PVC food hose reinforced with hard PVC spiral

Hose material: transparent PVC
Reinforcement: Hard PVC spiral
Operating temp: -10°C to +55°C
 (temperature-dependent operating pressure)

Lightweight, highly flexible suction and delivery hose for water, juices, beverages, beer, wine, spirits up to 20% and other food products. Not recommended for milk and milk products, oils and fatty foods.

Reinforced with a hard PVC spiral, resistant to impacts, it provides good resistance to vacuum and hose kinking. Transparent wall allows visual inspection of flow. Smooth inner surface reduces flow loss and ensures ease of cleaning. External surface slightly corrugated. In the absence of direct food contact (in industry, construction, agriculture) it can be used:

- for light chemicals, water, sludge and waste water, other liquids (without grease, oils and hydrocarbons),
- for air, vacuum transfer of dusts, powders, granulates and other **slightly** abrasive bulk substances (not greasy). Abrasiveness and the possible problem of static electricity must then be taken into account.

Standards and requirements:

Food industry, food contact: compliant with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B and C), 2023/2006/EC (GMP).

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	20°C vacuum [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
FT-ALIFLEX-013	13	18,4	2,7	7	21	0,6	70	0,14	25
FT-ALIFLEX-020	20	25,6	2,8	7	21	0,6	100	0,21	25
FT-ALIFLEX-025	25	31	3	7	21	0,6	120	0,28	25
FT-ALIFLEX-030	30	36,4	3,2	7	21	0,6	140	0,35	25
FT-ALIFLEX-032	32	38,4	3,2	7	21	0,6	160	0,37	25
FT-ALIFLEX-035	35	41,6	3,3	7	21	0,6	170	0,425	25
FT-ALIFLEX-038	38	44,8	3,4	6	18	0,6	190	0,47	25
FT-ALIFLEX-040	40	47	3,5	6	18	0,6	200	0,51	25
FT-ALIFLEX-045	45	52,2	3,6	6	18	0,6	230	0,57	25
FT-ALIFLEX-051	51	58,8	3,9	6	18	0,6	250	0,73	25
FT-ALIFLEX-055	55	63	4	6	18	0,6	280	0,80	25
FT-ALIFLEX-060	60	68,4	4,2	6	18	0,6	320	0,90	25
FT-ALIFLEX-063	63	71,4	4,2	5	15	0,6	330	0,97	25
FT-ALIFLEX-070	70	79	4,5	5	15	0,6	360	1,125	25
FT-ALIFLEX-076	76	85,4	4,7	5	15	0,6	400	1,27	25
FT-ALIFLEX-080	80	89,8	4,9	4	12	0,6	430	1,45	25
FT-ALIFLEX-090	90	100,4	5,2	4	12	0,5	490	1,70	25
FT-ALIFLEX-100	100	110,8	5,4	4	12	0,5	550	1,95	25
FT-ALIFLEX-110	110	120,8	5,4	3	9	0,5	600	2,10	25
FT-ALIFLEX-120	120	132,0	6	3	9	0,5	650	2,60	25
FT-ALIFLEX-125	125	137,2	6,1	3	9	0,5	700	2,90	25
FT-ALIFLEX-150	150	164,4	7,2	2	6	0,5	820	3,90	25

Note: indexes highlighted in colour - most commonly used

Temperature dependence of burst pressure and working pressure for typical PVC hoses	temperature pressure	20°C	30°C	40°C	50°C	60°C	70°C
		100%	74%	55%	40%	30%	22%



Hoses with hard PVC spiral require well-matched ferrules with small notches and strong clamps for their proper sealing (ALIFLEX hose with stainless steel ferrule with external thread clamped with twin-screw clamps).