

PVC food hoses



ARMORVIN HNA

PVC food hose reinforced with steel wire coil

Hose material: transparent PVC
Reinforcement: galvanised steel spiral
Operating temp: -5°C to +65°C
 (temperature-dependent operating pressure)

A lightweight, highly flexible suction and delivery hose designed for water, juices, beverages, beer, wine, spirits up to 50% and other food products. Can be used for milk and milk products. Not recommended for oils and greasy foodstuffs.

Reinforcement with a steel wire spiral embedded in a PVC wall provides good resistance to vacuum and hose kinking. The smooth inner surface reduces flow loss and ensures easy cleaning. UV-resistant transparent wall allows visual inspection of flow.

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.

As an unbraided hose, it is characterised by some elongation under pressure.

Standards and requirements:

Food industry, food contact: compliant with European requirements 1935/2004/EC and 10/2011/EU (simulants A, B, C and D1), 2023/2006/EC (GMP).

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Working pressure 20°C [bar].	Burst pressure 20°C [bar].	vacuum 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-ARMHNA-010	10	16	3	7	21	0,85	20	0,16	60
ME-ARMHNA-012	12	18	3	7	21	0,85	25	0,18	60
ME-ARMHNA-014	14	20	3	6	18	0,85	30	0,20	60
ME-ARMHNA-016	16	22	3	6	18	0,85	35	0,23	60
ME-ARMHNA-018	18	24,5	3,25	6	18	0,85	40	0,28	60
ME-ARMHNA-020	20	27	3,5	5	15	0,85	50	0,34	60
ME-ARMHNA-022	22	29	3,5	5	15	0,85	55	0,36	60
ME-ARMHNA-025	25	33	4	5	15	0,85	60	0,51	60
ME-ARMHNA-030	30	39	4,5	4,5	13,5	0,85	70	0,60	60
ME-ARMHNA-032	32	41	4,5	4,5	13,5	0,85	75	0,65	60
ME-ARMHNA-035	35	44	4,5	4	12	0,85	80	0,73	60
ME-ARMHNA-038	38	47	4,5	4	12	0,85	90	0,80	30
ME-ARMHNA-040	40	49,5	4,75	3	9	0,85	95	0,87	30
ME-ARMHNA-045	45	55	5	3	9	0,8	110	1,10	30
ME-ARMHNA-050	50	60	5	3	9	0,8	125	1,20	30
ME-ARMHNA-060	60	72	6	2,5	7,5	0,8	140	1,80	30
ME-ARMHNA-075	75	89	6	2	6	0,7	200	2,50	30
ME-ARMHNA-080	80	94	7	2	6	0,7	220	2,70	30
ME-ARMHNA-100	100	114	7	2	6	0,7	300	3,25	30

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%



Food substance hoses can be assembled with the ends using suitably sized removable bands, clamps or permanently pressed collets.

(ARMORVIN HNP hose with TRICLOVER hygienic ends clamped with stainless steel sleeves)