

## PVC food hoses



### ARMORVIN HNP

**PVC food hose reinforced with steel wire coil**

**Hose material:** transparent greenish PVC  
**Reinforcement:** galvanised steel spiral  
**Operating temp:** -5°C to +65°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.

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.

Compared to ARMORVIN, the HNA has a higher operating pressure and greater vacuum resistance.

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 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].	vacuum 20°C [bar].	bend radius [mm]	mass [kg/m]	Roll length [m]
ME-ARMHNP-010	10	16	3	8	24	0,95	20	0,16	60
ME-ARMHNP-012	12	18	3	8	24	0,95	25	0,18	60
ME-ARMHNP-014	14	20	3	8	24	0,95	30	0,20	60
ME-ARMHNP-016	16	22	3	8	24	0,95	35	0,23	60
ME-ARMHNP-018	18	24,5	3,25	7	21	0,95	40	0,28	60
ME-ARMHNP-020	20	27	3,5	7	21	0,95	50	0,34	60
ME-ARMHNP-022	22	29	3,5	6	18	0,95	55	0,36	60
ME-ARMHNP-025	25	33	4	6	18	0,95	60	0,51	60
ME-ARMHNP-030	30	39,5	4,75	5	15	0,95	70	0,68	60
ME-ARMHNP-032	32	41,5	4,75	5	15	0,95	75	0,73	60
ME-ARMHNP-035	35	44	4,5	5	15	0,95	80	0,73	60
ME-ARMHNP-038	38	49	5,5	5	15	0,95	90	0,95	30
ME-ARMHNP-040	40	53	6,5	5	15	0,95	100	1,22	30
ME-ARMHNP-045	45	58	6,5	5	15	0,95	110	1,40	30
ME-ARMHNP-050	50	64	7	5	15	0,9	125	1,60	30
ME-ARMHNP-060	60	74	7	5	15	0,9	140	2,05	30
ME-ARMHNP-063	63	77	7	4	12	0,9	150	2,25	30
ME-ARMHNP-070	70	86	8	4	12	0,9	180	2,60	30
ME-ARMHNP-075	75	91	8	4	12	0,9	200	2,85	30
ME-ARMHNP-080	80	96	8	3	9	0,9	220	3,15	30
ME-ARMHNP-090	90	107	8,5	3	9	0,9	260	3,75	30
ME-ARMHNP-100	100	118	9	3	9	0,9	300	4,40	30
ME-ARMHNP-110	110	128	9	3	9	0,9	320	4,65	20
ME-ARMHNP-120	120	138	9	2	6	0,9	340	5,20	20
ME-ARMHNP-125	125	144	9,5	2	6	0,9	350	5,40	20
ME-ARMHNP-150	150	170	10	2	6	0,9	450	7,20	20

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%