

Rubber food hoses



EVOLUTION - CRUSH-PROOF

Drive-through resistant hose for handling milk and milk products

- Inner layer** White, smooth rubber NR/NBR
- Reinforcement:** synthetic cord, spiral plastic
- Outer layer** Blue synthetic rubber
- Operating temp:** -30°C to +85°C

Lightweight suction and delivery hose designed for handling milk and milk products and food substances requiring odourless and tasteless rubber. Free of phthalates, plasticisers and animal products. The inner layer is resistant to standard food industry cleaning agents and processes. The special design of the "CRUSH PROOF" hose allows the pressurised hose to return to its original shape after accidental running over, e.g. by a forklift truck. The hose is lightweight and easy to handle. Particularly suitable for applications requiring a small bend radius. Retains its flexibility even at low temperatures.

Cleaning:

hot water	steam	oxidizing acids (peracetic, nitric), hydrogen peroxide	non-oxidising acids (phosphoric acid)	chlorine, sodium hypochlorite	sodium hydroxide
		1%	5%	200 ppm	1%
95°C / 30 min	121°C / 30 min	max 20°C / 30 min	max 80°C / 30 min	80°C / a few minutes	max 80°C / 30 min

Standards and requirements:

General: EC 2002/95 (RoHS), EC 1907/2006 (REACH),
Food industry, food contact: EC 1935/2004, EC 2023/2006 (GMP). Inner layer in accordance with D.M. 21/03/73, FDA 21 CFR 177.2600, BfR, RAL (German Institute for Quality Assurance and Certification).



index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	working pressure [bar]	Bursting pressure [bar]	vacuum [bar]	bend radius [mm]	mass [kg/m]	Roll length [m]
MT-EVOLUTION-CP-038	38	51	6,5	6	18	0,7	120	1,10	40
MT-EVOLUTION-CP-051	51	64	6,5	6	18	0,7	150	1,39	40
MT-EVOLUTION-CP-063	63,5	77,5	7	6	18	0,7	190	1,85	40
MT-EVOLUTION-CP-076	76	91	7,5	6	18	0,7	230	2,25	40

Note: indexes highlighted in colour - most commonly used



Hose EVOLUTION - CRUSH-PROOF DN38 with an SMS hygienic end (NH-SWR-038) in AISI 316 stainless steel (nut in AISI 304), fitted with an aluminium shell bracket. The special design of the hose with integrated plastic spiral protects the hose from accidental damage e.g. by **running over it** and allows it to return to its original shape under internal pressure.

However, do not run over the hoses !