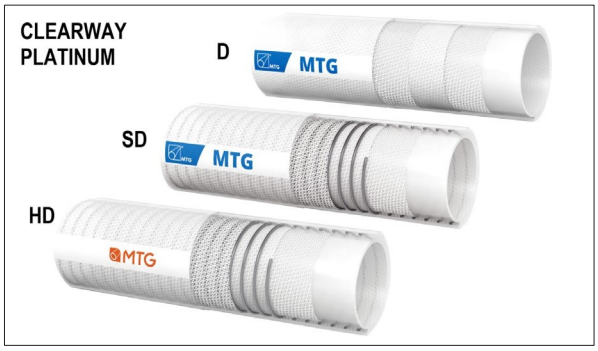
Silicone hoses for food and pharmaceutical applications



CLEARWAY PLATINUM D / SD / HD

Platinum-vulcanised silicone pressure hose for food and pharmaceutical applications

Inner layer: Translucent silicone
Reinforcement: - synthetic fabric layers
- AISI 302 stainless steel spiral (SD and HD versions only)
Outer layer: Translucent silicone
Operating temperature: -60°C to +200°C

High-quality silicone hose vulcanised with platinum. Available in three designs: **CLEARWAY PLATINUM D** - discharge hose, without steel spiral, **CLEARWAY PLATINUM SD** - suction/discharge hose, with steel spiral and **CLEARWAY PLATINUM HD** - HEAVY DUTY suction/discharge hose, with thicker wall and stronger construction, for heavier use and even greater durability. All versions are reinforced with spirally arranged layers of high-strength, bright white synthetic fabric. CLEARWAY PLATINUM hose is characterised by a smooth, anti-stick, pore-free inner surface, preventing product particles and bacterial growth and making the hose easy to clean. The outer layer is smooth, minimally corrugated for the spiral version, easy to clean with a mild detergent.
The hose is designed for the transfer of high purity products, food substances, liquids with an alcohol content of up to 96%. Widely used in the food, pharmaceutical and cosmetic industries.
The hose material, a translucent silicone (PT3362) of food and pharmaceutical quality, is odourless and tasteless. Meets hygiene and food contact requirements: FDA, BfR, European Pharmacopoeia 3.1.9, USP Class VI, 3-A, ISO 10993, D.M. 21/03/73 (Italy), Arrete du 25 Novembre 1992 (France). Compliant with European requirements 1935/2004/EC, 2023/2006/EC (GMP), tested with simulation fluids B and D1 (for hydrated, acidic and dairy products). The hose is manufactured in a certified Class 8 *cleanroom* (ISO 14644-1) with full process traceability. The manufacturing process is free of substances of animal origin, phthalates, adipates, nitrosamines and restricted materials and complies with the RoHS 2011/65/EU Materials Directive and REACH 1907/2006/EU Regulation.
Sterilisation: with steam max. +135°C at 3.5 bar for max. 90 min. or with hot air max. +200°C for max. 30 min. In order not to impair the mechanical properties of the hose, sterilisation should not be repeated earlier than one hour after the last cleaning.
Cleaning: water up to 95°C; sodium hydroxide 1%, 80°C; nitric/phosphoric/peracetic acid 1%, 20°C; hydrochloric acid, sodium hypochlorite 200 ppm, 80°, max. 20 min.

index	internal diameter* [mm]	external diameter [mm]	wall thickness* [mm]	operating pressure* * 20°C [bar].	Bursting pressure 20°C [bar].	vacuum [bar]	bend radius [mm]	mass [kg/m]	max. length [m]
CLEARWAY PLATINUM D									
MT-CLEARWAY-D-013	13	23	5	10	40	-	-	0,37	30
MT-CLEARWAY-D-019	19	30	5,5	10	40	-	-	0,49	30
MT-CLEARWAY-D-025	25	35	5	10	40	-	-	0,58	30
MT-CLEARWAY-D-032	32	43	5,5	10	40	-	-	0,73	30
MT-CLEARWAY-D-038	38	48	5	10	40	-	-	0,86	30
MT-CLEARWAY-D-051	51	62	5,5	7	28	-	-	1,22	30
CLEARWAY PLATINUM SD									
MT-CLEARWAY-SD-010	10	20	5	10	30	0,9	30	0,31	30
MT-CLEARWAY-SD-013	13	23	5	10	30	0,9	40	0,38	30
MT-CLEARWAY-SD-016	16	26	5	10	30	0,9	45	0,45	30
MT-CLEARWAY-SD-019	19	29	5	10	30	0,9	55	0,51	30
MT-CLEARWAY-SD-025	25	35	5	10	30	0,9	65	0,72	30
MT-CLEARWAY-SD-032	32	42	5	10	30	0,9	95	0,88	30
MT-CLEARWAY-SD-038	38	48	5	10	30	0,9	110	1,04	30
MT-CLEARWAY-SD-051	51	61	5	10	30	0,9	150	1,53	30
MT-CLEARWAY-SD-063	63,5	74,5	5,5	8	24	0,9	190	1,76	20
MT-CLEARWAY-SD-076	76	88	6	7	21	0,9	240	2,70	20
MT-CLEARWAY-SD-100	100	112	6	5	15	0,9	360	3,55	20

* Internal diameter tolerance: ISO 1307; Wall thickness tolerance: +1 / -0.5 mm; ** - at 100°C, working pressure must be reduced by 20%.