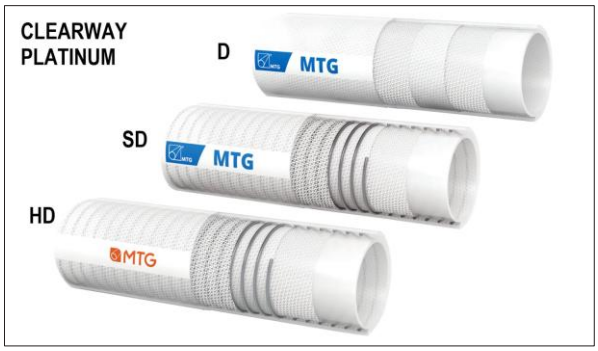
Silicone hoses for food and pharmaceutical applications



CLEARWAY PLATINUM D / SD / HD

Platinum-cured silicone pressure hose for food and pharmaceutical applications

Inner layer: semi-transparent silicone
Reinforcement: - synthetic fabric layers
- AISI 302 stainless steel spiral (only SD and HD versions)
Cover: semi-transparent silicone
Working temperature: from -60°C to +200°C

High-quality platinum-cured silicone hose. Available in three design versions: **CLEARWAY PLATINUM D** – delivery hose, without steel spiral, **CLEARWAY PLATINUM SD** – suction and delivery hose, with steel spiral, and **CLEARWAY PLATINUM HD** – HEAVY DUTY suction and delivery hose, with thickened wall and stronger construction, for heavier duty use and even greater durability. All versions are reinforced with spirally arranged layers of high-strength, light, white synthetic fabric. CLEARWAY PLATINUM hose features a smooth, non-stick, pore-free inner surface, preventing product particles from settling and bacteria from developing, and facilitating hose cleaning. Outer layer smooth, minimally corrugated for versions with spiral, easy to clean with a mild detergent.

The hose is intended for conveying high-purity products, food substances, liquids with alcohol content up to 96%. Widely used in the food, pharmaceutical and cosmetic industries.

The hose material, semi-translucent silicone (PT3362) of food and pharmaceutical grade, is odourless and tasteless. It 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 fluids B and D1 (for hydrated, acidic and dairy products). The hose is produced in a certified clean room (*cleanroom*) of class 8 (ISO 14644-1) with full process traceability. The production process is free of substances of animal origin, phthalates, adipates, nitrosamines and restricted materials, compliant with the RoHS material directive 2011/65/EU and REACH regulation 1907/2006/EU.

Sterilisation: with steam up to +135°C at 3.5 bar for max. 90 min, or with hot air up to +200°C for max. 30 min. To avoid impairing the hose's mechanical properties, sterilisation should not be repeated sooner 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	diameter inner* [mm]	diameter outer [mm]	wall wall* [mm]	pressure working** 20°C [bar]	pressure burst 20°C [bar]	vacuum [bar]	bending radius [mm]	weight [kg/m]	length max. [m]
CLEARWAY PLATINUM D									
MT-CLEARWAY-D-13	13	23	5	10	40	-	-	0,37	30
MT-CLEARWAY-D-19	19	30	5,5	10	40	-	-	0,49	30
MT-CLEARWAY-D-25	25	35	5	10	40	-	-	0,58	30
MT-CLEARWAY-D-32	32	43	5,5	10	40	-	-	0,73	30
MT-CLEARWAY-D-38	38	48	5	10	40	-	-	0,86	30
MT-CLEARWAY-D-51	51	62	5,5	7	28	-	-	1,22	30
CLEARWAY PLATINUM SD									
MT-CLEARWAY-SD-10	10	20	5	10	30	0,9	30	0,31	30
MT-CLEARWAY-SD-13	13	23	5	10	30	0,9	40	0,38	30
MT-CLEARWAY-SD-16	16	26	5	10	30	0,9	45	0,45	30
MT-CLEARWAY-SD-19	19	29	5	10	30	0,9	55	0,51	30
MT-CLEARWAY-SD-25	25	35	5	10	30	0,9	65	0,72	30
MT-CLEARWAY-SD-32	32	42	5	10	30	0,9	95	0,88	30
MT-CLEARWAY-SD-38	38	48	5	10	30	0,9	110	1,04	30
MT-CLEARWAY-SD-51	51	61	5	10	30	0,9	150	1,53	30
MT-CLEARWAY-SD-63	63,5	74,5	5,5	8	24	0,9	190	1,76	20
MT-CLEARWAY-SD-76	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

* Inner diameter tolerance: ISO 1307; wall thickness tolerance: +1 / -0.5 mm; ** - at 100°C the working pressure must be reduced by 20%