DYNAMIC® CLEANROOM-Platinum

EN ISO 9001:2015
No. : Q-3353-24
EN ISO 45001:2018
No. : 20152240011742
EN ISO 14001:2015
No. : 20051240011741

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APPLICATION

- Multipurpose hose designed to ensure utmost purity during transport of pharmaceutical, cosmetic, food and chemical products in aseptic areas.
- Specifically engineered to combine the technical benefits of a perfluoropolymer with the elasticity and heat resistance of silicone.

CONSTRUCTION

TUBE

- PFA (Perfluoroalkoxy), fully fluorinated, white colour, mirror-smooth. Odourless and tasteless.
- Excellent flex-performance (resistance to repeated bending cycles in accordance with ASTM D 2176).
- Compliance: USP Class VI, 3-A Sanitary Standards n.20-27, FDA Standards, D.M. 21/03/73 and following amendments, Regulation EU n. 10/2011, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5, ICH Q3D.

REINFORCEMENTS

- High strength plies of synthetic cord
- Embedded stainless steel helix wire.

COVER

- Translucent silicone rubber (code: silicone 3362PT), ultra smooth and glossy finish.
- It may be easily cleaned with any mild detergent.
- Special finish with a low coefficient of friction.
- Compliance: USP Class VI, 3-A Sanitary Standards 18-03-Class I, FDA Standards, BfR, European Pharmacopoeia 3.1.9, ISO 10993-4, -10, -11, non-cytotoxic according to ISO 10993-Part 5.

PATENT

- E.P. 1450092.

MAIN BENEFITS

- Platinum-cured silicone cover with non-stick properties.
- Fluorinated, ultra-smooth inert liner, embedded into a high purity structure.
- Made in Cleanroom ISO 14644-1 Class 8.
- High flexibility, even under high and low temperature conditions, and excellent resistance of the structure to dynamic stress.
- Hose in accordance with EC 1935/2004 and 2023/2006/EC (GMP).
- The MTG production cycle does not employ animal derived ingredients, phthalates, adipates, nitrosamines, and materials subject to restrictions acc. to EC 1907/2006 (REACH).

SAFETY FACTOR

- ≥ 3 times working pressure.

TEMPERATURE RANGE

- From -30°C to +150°C depending on the fluids conveyed.

STERILIZATION

- Sterilization with steam up to +135°C at 3.5 bar for max. 30 minutes.

NOTE

- We suggest you to follow the instructions mentioned in the MTG "Use and maintenance guide for PFA/MFA hoses".

MARKING

MTG-DYNAMIC Cleanroom PLATINUM E.PATENT 1450092

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: I.D.: ISO 1307 - Wall thickness: ± 0.8 mm - Length: ISO 1307

Inner Diameter mm	Outer diameter mm	Wall thickness mm	Working pressure BAR	Burst pressure BAR	Vacuum BAR	Min. bending radius (Static) mm	Min. bending radius (Dynamic) mm	Approx. weight kg/m	Max. length m
10	22	6.0	10	30	-0.9	35	50	0.36	20
13	25	6.0	10	30	-0.9	45	60	0.42	20
16	28	6.0	10	30	-0.9	55	75	0.57	20
19	31	6.0	10	30	-0.9	65	90	0.65	30
25	37	6.0	10	30	-0.9	85	140	0.80	30
32	44	6.0	10	30	-0.9	120	200	1.00	30
38	51	6.5	10	30	-0.9	140	250	1.27	30
51	67	8.0	10	30	-0.9	180	300	1.98	30
63.5	79.5	8.0	5	15	-0.9	320	380	2.53	20
76	92	8.0	5	15	-0.9	380	460	3.62	20
100	118	9.0	3	9	-0.9	500	600	5.02	20

Above technical data are referring to application at room temperature (+20°C). Chemical resistance according to MTG Chemical Resistance Chart.
Other sizes are available upon request. Please contact our Sales Department.

USP CLASS VI PHARMACOPOEIA · ISO 10993 · EUROPEAN E.P. 3.1.9 PHARMACOPOEIA · EU 10/2011 · FDA FOOD QUALITY · 3A SANITARY STANDARD · BfR FOOD QUALITY · DM 21/03/73 · PATENTED E.P. 1450092 · MADE IN ISO 14644-1 CLASS 8

Cod. IT-D00050
UPDATED: 06/22
Rev: 008