

Medloop® Molded Manifolds

Biopharmaceutical Pt silicone Molded Manifolds

Characteristic Description

Medloop® Platinum Silicone Molded Manifolds are specifically developed for high purity and zero leakage risk applications in biopharmaceutical industry. Its high-purity material formula helps to achieve lower levels of extractables and keep more cleanliness during fluid processing. Its unique fluid channel design can effectively reduce fluid turbulence at the joints, particles residue and fluid leakage risk.

Medloop® Silicone Molded Manifolds are key components in bioprocessing, mainly used for high-temperature steam sterilization, split charging and filling of medicinal liquids and preparations; Medloop® Silicone molded integrated components are the perfect substitute for plastic parts, Its high-temperature resistance is greatly superior to plastic components, Its pressure resistance at the joints is significantly higher than that of plastic fittings and cable ties, the risk of leakage under high pressure tends to zero.

Medloop® products sold is produced and packaged in a 10K class level clean room environment of ISO10993 & ISO13485 quality systems controls, comprehensive batch control is implemented from raw material receipt to finished products delivery.

Key Properties

- Extreme low Smell & taste of Silica
- Smooth channel reduces particle residue
- Molded design reduces leakage risk
- Manufactured in 10K Class clean room
- Lowest TOC & lowest extractable
- Designed for downstream processing

Typical Applications:

- TC Fitting
- Fluid transferring
- Fluid transferring
- Ultra low leaking
- Steam sterilization
- Biopharmaceutical

Regulations:

- Rohs & Reach
- FDA 21 CFR 177.2600
- USP 85,87,88,151,381&661
- ISO10993-3, 5, 10 &11
- European Pharmacopeia 3.1.9
- BPOG- E&L

Sterilization method

- Steam sterilization 134°C@60 mins
- Electron irradiation 25 to 50 kGy
- ETO



Molded Fitting Items and Size list

Molded manifold Elbow:

- 1/16" x 3/16" O.D.
- 1/8" x 1/4" O.D.
- 3/16" x 5/16" O.D.
- 3/16" x 3/8" O.D.
- 1/4" x 3/8" O.D.
- 1/4" x 7/16" O.D.
- 5/16" x 1/2" O.D.
- 3/8" x 5/8" O.D.
- 1/2" x 5/8" O.D.

Molded manifold Tee:

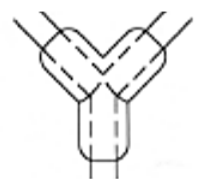
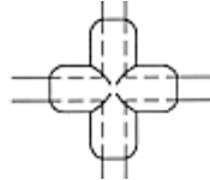
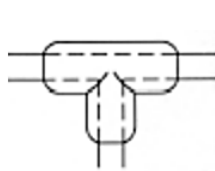
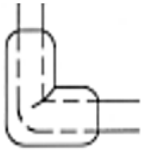
- 1/16" x 3/16" O.D.
- 1/8" x 1/4" O.D.
- 3/16" x 5/16" O.D.
- 3/16" x 3/8" O.D.
- 1/4" x 7/16" O.D.
- 3/8" x 5/8" O.D.

Molded manifold Cross:

- 1/16" x 3/16" O.D.
- 1/8" x 1/4" O.D.
- 3/16" x 5/16" O.D.
- 3/16" x 3/8" O.D.
- 1/4" x 3/8" O.D.
- 1/4" x 7/16" O.D.
- 5/16" x 1/2" O.D.
- 3/8" x 5/8" O.D.
- 1/2" x 5/8" O.D.

Molded manifold Y:

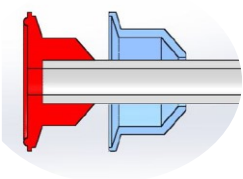
- 1/16" x 3/16" O.D.
- 1/8" x 1/4" O.D.
- 3/16" x 5/16" O.D.
- 3/16" x 3/8" O.D.
- 1/4" x 3/8" O.D.
- 1/4" x 7/16" O.D.
- 5/16" x 1/2" O.D.
- 3/8" x 5/8" O.D.
- 1/2" x 5/8" O.D.



Molded TC Fitting size

Molded TC Hose(MTC):

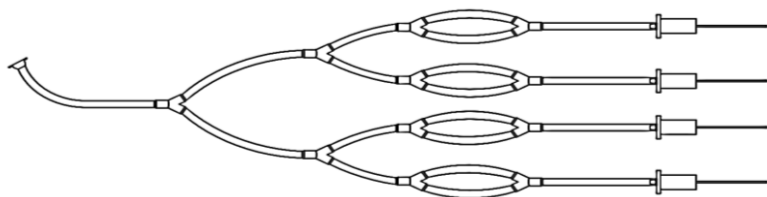
- Mini TC 25.4mm
- Large TC 50.8mm



Molded Filling Systems

Molded Filling Systems (MFS):

- 2 branches
- 4 branches



Note: For other customized sizes, please inquire by phone.



NOTE: This document is intended to provide information about the product and possible applications, this document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Medloop cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application. Medloop® is a trademark of Shanghai Medloop Material Technology Co., Ltd