

mdi Acufil™ single use filling needles for aseptic filling of liquids are designed for accurate volume filling of both mobile and viscous drug products without drip formation. These offer ready to use filling solutions as part of complete gamma sterilized single use filling lines.

mdi Acufil™ single use filling needles offer flexibility as these come in different sizes i.e 1.6 mm, 3 mm, 4 mm, 5 mm and 5.4 mm with female luer connection or hose barb connections.

Materials of Construction

Hub : Polypropylene

Needle : SS 316

Specifications

Bacterial Endotoxin

Aqueous extracts exhibit < 0.25 EU/ml as established by Limulus Amebocyte Lysate (LAL) Test

Particle Release

Complies with USP <788> test for particulate matter in injections

Extractables

Comply with USP <661> Plastic Packaging Systems and Their Materials of Construction; Physicochemical Tests for Nonvolatile Residue

Bioburden Levels

Bioburden level is < 1000 cfu/device as per ISO 11737-1: 2018

Water Flow Rate

1.6mm Needle: >350ml/min @ 2.5psi

3.0mm Needle: >500ml/min @ 2.5psi



Sizes and Connections Available

Needle ID	Connection
1.6 mm	1/8" HB
	3/32" HB
	Female Luer Lock
3.0 mm	1/8" HB
4.0 mm	3/16" HB
5.0 mm	1/4" HB
5.4 mm	1/4" HB

Special Features

- No drip formation
- Accurate volume filling
- Available in different internal diameters to facilitate different fill volumes
- Female luer connection and hose barb connections facilitates easy integration in filling line or systems

Applications

Small volume parenterals filling in pharmaceutical and biopharmaceutical manufacturing