

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 0.9 mm, 1.3 mm, 1.6 mm, 2 mm, 2.5 mm 3 mm, 4 mm, 5 mm and 5.4 mm with different connections and hub style.

Materials of Construction

Hub : Polypropylene

Needle : SS316

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

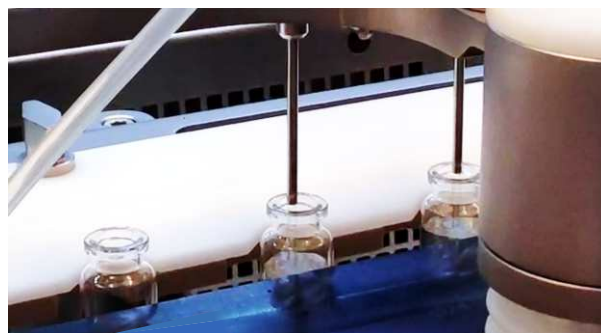
Applications

Small volume parenterals filling in pharmaceutical and biopharmaceutical manufacturing

Specifications

Bacterial Endotoxin

Aqueous extracts exhibit < 0.25 EU/ml as established by Limulus Amebocyte Lysate (LAL) Test as per USP <85>



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,Connections and Hub Style

Needle ID	Connection	Length	Part No.	Hub Style
0.9 mm	3/32" HB	90 mm	NLXA07IACXXX	13mm HUB
		32 mm	NLXA12IAKXXX	4.8mm HUB
	1/8" HB	138 mm	NLXA06IHDXXX	8mm HUB with T Holder
1.3 mm	3/32" HB	120 mm	NLXA11PAIXXX	7.8mm HUB
1.6 mm	1/8" HB	100 mm	NLXA01AAAXXX	8mm HUB
		138 mm	NLXA06AHXXXX	8mm HUB with T Holder
		140 mm	NLXA02AHAXXX	8mm HUB
	3/32" HB	90 mm	NLXA07AACXXX	13mm HUB
		100 mm	NLXA01AHAXXX	8mm HUB
		127 mm	NLXA09AAJXXX	11.5mm Jacketed hub with O-ring Gas Connection
		138 mm	NLXA06AAEXXX	8mm HUB with T Holder
		140 mm	NLXA02AHAXXX	8mm HUB
	Female Luer Lock	121 mm	NLXA04AMBXXX	10mm Luer Lock HUB
2.0 mm	1/8" HB	138 mm	NLXA06NHEXXX	8mm HUB with T Holder
	1/8" HB	178 mm	NLXA10NHXXXX	10mm HUB with Steps
2.5 mm	3/16" HB	148 mm	NLXA08SNEXXX	8mm HUB with T Holder
3.0 mm	1/8" HB	100 mm	NLXA01BHAXXX	8mm HUB
	1/8" HB	140 mm	NLXA02BHAXXX	8mm HUB
	3/16" HB	148 mm	NLXA08BNEXXX	8mm HUB with T Holder
4.0 mm	3/16" HB	127 mm	NLXA09ONGXXX	11.5mm Jacketed Hub with 3/16" HB
	3/16" HB	148 mm	NLXA08ONEXXX	8mm HUB with T Holder
5.0 mm	1/4" HB	100 mm	NLXA01CBAXXX	8mm HUB
	3/16" HB	90 mm	NLXA07CNCXXX	13mm HUB
	1/4" HB	118 mm	NLXA13CBAXXX	8mm HUB
	1/4" HB	148 mm	NLXA08CBEXXX	8mm HUB with T Holder
	1/4" HB	165 mm	NLXA16CBNXXX	4mm HUB
5.4 mm	1/4" HB	148 mm	NLXA08MBEXXX	8mm HUB with T Holder