

BGI Collison Nebulizer

Collison Nebulizer

Collison Nebulizers (1, 3, 6, 24 and NSF Collisons)

The Collison Nebulizer has long been the recognized technique for the efficient aerosolization of various liquids. Mesa manufactures a comprehensive variety of nebulizers, all of which have undergone exhaustive performance tests.

All Mesa Collison Nebulizers have all the metal components fabricated from 316 stainless steel. All O-rings are Buna-N or silicone rubber. Glass jars are either Crown Glass (standard) or Pyrex (precious fluids jar only). The 24 jet Collison jar is coated with clear PVC.

Applications

- Aerobiology
- Aerosol Research
- Biohazard Enclosure Testing
- Filter Evaluation

The volumetric requirements are as follows:

Pressure psig	Volume of Free Air in LPM			
	1-Jet	3-Jet	6-Jet	24-Jet
20	2	6	12	48
40	3.3	10	20	80
60	4.5	13.5	27	Not Recommended
80	5.8	17.3	34.5	Not Recommended
100	7	21	42	Not Recommended

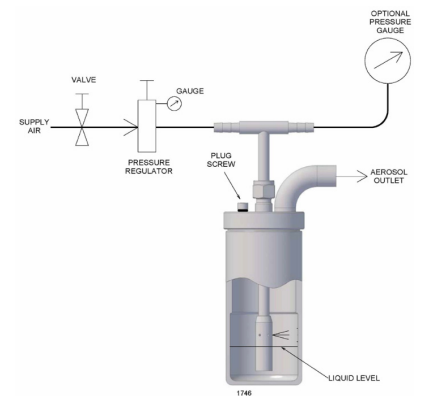
For more information on the aerosol output characteristics and input air requirements, visit bgi.mesalabs.com/collison-nebulizer

Collison Nebulizer Ordering Information

Part # CN241:	1-jet Modified MRE type
Part # CN24:	3-jet Modified MRE type
Part # CN25:	6-jet Modified MRE type
Part # CN60:	24-jet Collison
Part # CN-31/I/1:	NSF Collison
Part # CN40:	Glass Precious Fluids Bottle
Part # M-A1482:	Precious Fluid Extension Sleeve
Part # 2428:	External Fill Adapter
Part # 3108:	Polycarbonate Precious Fluids Bottle
Part # 2615:	316 Stainless Steel Jar



1, 3 or 6 Jet Collison Nebulizer



Schematic diagram of Collison Nebulizer

Collision Nebulizer

Collision Nebulizer Specifications

MRE Standard Collision

Max. width:	3.25 in (8.25 cm)
Max. height:	8.5 in (21.60 cm)
Jar Diameter:	2.25 in (5.72 cm)
Nominal outlet dimensions:	0.625 in (1.59 cm) O.D. 0.555 in (1.41 cm) I.D.
Weight:	11.62 oz (0.33 kg)

24 Jet Collision

Max. width:	5 in (12.7 cm)
Max. height:	11 in (27.94 cm)
Jar Diameter:	3.5 in (8.89 cm)
Nominal outlet dimensions:	1 in (2.54 cm) O.D. 0.9 in (2.29 cm) I.D.
Weight:	43.2 oz (1.23 kg)