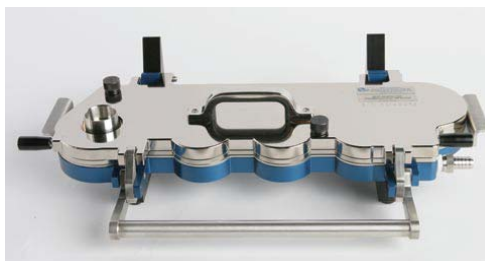




PRODUCT INFORMATION

Model 170—Next Generation Impactor™ (NGI™)

- Designed specifically for the pharmaceutical industry for testing metered-dose inhalers (MDI), dry-powder inhalers (DPI), nebulizers and nasal sprays
- provides high-accuracy data and unparalleled productivity



DESCRIPTION

The Next Generation Impactor™, or NGI™, is a high-performance cascade impactor for classifying aerosol particle into size fractions for testing metered-dose and dry-powder inhalers and other inhaled drug delivery devices such as nebulizers and nasal sprays. MSP developed the NGI in conjunction with a consortium of 15 pharmaceutical companies, resulting in superior aerodynamic performance, low inter-stage losses, and user-friendly features. The NGI is recognized internationally both in the USP and the EP. It features removable collection cups, O-ring-free connections, and a micro-orifice collector that can be used in place of a final filter for most formulation. These features make the NGI an easy-to-use, efficient workstation, enabling 10 to 20 inhaler determinations per day with one impactor, resulting in less capital equipment and a cleaner, more efficient laboratory.

FEATURES

- Seven impaction stages plus a final micro-orifice collector that can be used in place of a final filter for most formulations
- Known stage cut size from 15 L/min to 100 L/min with no change of parts needed for entire range
- Also calibrated at 15 L/min specifically for nebulizers
- Seven stages with at least five with D₅₀ values between 0.54 and 6.12 µm at all design flow rates
- Removable set of collection cups, hinged removable lid, and O-ring free inlet connections
- Electrically conductive and corrosion resistant
- 316 Stainless Steel USP Induction Port
- One Pre-Separator for entire range of 30 L/min to 100 L/min w/o changing parts

SPECIFICATIONS

Subject to change without notice

Flow rate	15 - 100 L/min
Stage Cut Points (Stages 1 to 7)	See USP Section <601>, Table 6 for more details
D ₅₀ @ 30 L/min	11.4, 6.4, 4.0, 2.3, 1.4, 0.80, 0.54 µm
D ₅₀ @ 60 L/min	8.1, 4.4, 2.8, 1.7, 0.94, 0.55, 0.34 µm
D ₅₀ @ 100 L/min	6.1, 3.4, 2.2, 1.3, 0.72, 0.40, 0.24 µm
Weight	9 Kg
Dimensions	600 x 330 x 130 mm (LxWxH)

ACCESSORIES

- Induction port
- Pre-separator
- Collection cup and trays
- External and internal filter holder
- Pumps
- Flow meters and controllers

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