

RIGEL | Life Sciences
your contamination control specialists

AEROSOL GENERATORS

Rigel RI8101

Thermal Aerosol Generator

Robustness first

Established in 2008, RIGEL Life Sciences is a provider offering the very best solutions while meeting and exceeding the needs of client engineering and GMP compliance teams within the Life Science Industries.

RIGEL Life Sciences is the right partner when the outcome must be Full Compliance. With expertise spanning the quality spectrum, we specialize in the management, monitoring and validation of contamination levels within clean environments.

RIGEL Life Sciences will provide the correct solution unique to your requirements, whether your facility manufactures electronics or pharmaceuticals products or provides healthcare directly to patients.

The Rigel RI8101 Thermal Aerosol Generator is portable and versatile; it is the best choice to test and validate large areas requiring a consistent range of particulate dispersed in an aerosol concentration.

The RI8101 Aerosol Generator uses the principle of thermal condensation, using a block heater of superior robustness to produce specific concentrations of vaporized oil.

The RI8101 incorporates a digital temperature control allowing the operator to adjust the unit's operation for the specific aerosol agent being used.

The unit has a large capacity liquid tank allowing the RI8101 to generate aerosol for up to 5 hours without requiring a refill.

The RI8101 is capable of generating a wide range of aerosol particulate concentrations by discharging a controlled quantity of oil vapor into a large filtered and vented area.



The RI8101 aerosol generator supports the testing and validation of clean rooms, laminar flow hoods, Safety cabinets, glove boxes, HEPA vacuum cleaners, HVAC systems, HEPA filters, ULPA filters, filtration units, negative pressure operating rooms, Nuclear filter banks, collective protection filters, etc...



Technical specifications

Generator Type	Condensation of thermally vaporized oil
Size	300 × 390 × 280 mm
Weight	14 kg
Material of the case	Aluminum
Tank capacity	2.5 liters
Power supply	230 VAC ± 10%, 50 Hz
Absorbed power	800 W
Preheating time	< 10 minutes
Aerosol Output Range	2,550 ÷ 119,000 m ³ /h (1,500 ÷ 70,000 cfm)
Aerosol Concentration	100 µg/l @ 7,000 cfm 10 µg/l @ 70,000 cfm
Operating range	Temperature: 0÷40°C Humidity: 10÷90%
Storage range	Temperature: -20÷55°C Humidity: 10÷90% non-condensing
Compressed gases	Nitrogen, Argon, Carbon Dioxide or Helium (20 cfh @ 50 psi)
Aerosol type	According to ISO 14644-3, PAO (Poly-Alfa Olefin), DOS (dioctil sebacate), DEHS (di-2-etil hexyl sebacate), Ondina EL
Case accessory	Pressurized trolley shipping case

RIGEL S.r.l.

Via Adriano Olivetti, 24/26 | 00131 Rome, Italy
Ph. +39 06 81 91 50 11 | Fax +39 06 81 91 50 01

METROVALID PHARMA

Résidence Gimmo, Immeuble N°03 Bab Ezzouar, Alger - 16042 - Algérie
Tél. : +213 23 88 46 43 à 45 /Fax : +213 23 88 46 42
mvp.commercial@metrovalidpharma.com | www.metrovalidpharma.com