

RIGEL | Life Sciences
your contamination control specialists

LEAK TESTING

Rigel Aerosol Generators

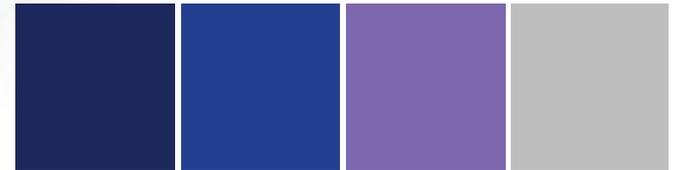
RI8301 Thermal Aer. Gen.

RI8303 Laskin-Nozzle Aer. Gen.

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 RI8301 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 RI8301 Aerosol Generator uses the principle of thermal condensation; using a block heater to produce specific concentrations of vaporized oil. The generator 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 RI8301 to generate aerosol for up to 5 hours without requiring a refill. The RI8301 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 Rigel RI8303 Aerosol Generator is designed to be portable and versatile. Using Laskin nozzles placed within the tank of the instrument, the aerosol is vaporized. It is ideal for the certification of small and medium-sized areas, when low range of airborne concentration are required. The Rigel RI8303 includes rugged stainless steel construction, large fill port, individual nozzle control, and a 3" standard sanitary fitting outlet. An optional hose adapter is available for introducing the aerosol into positive pressure systems.



The Rigel Aerosol Generators support 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

	RI8301	RI8303
Size	275 × 285 × 220 mm	250 × 280 × 230 mm
Weight	12 kg	7.3 kg
Material of the case	Aluminum	Aluminum
Power	230 VAC ± 10%	230 VAC ± 10%
Aerosol Output Range	1,500 ÷ 65,000 cfm	50 ÷ 8,100 cfm
Aerosol Concentration	100 µg/l @ 6,500 cfm	100 µg/l @ 810 cfm
Aerosol Concentration	10 µg/l @ 65,500 cfm	10 µg/l @ 8,100 cfm
Generator Type	Heated chamber	1-6 Laskin Nozzles
Compressed air	Not suggested	3÷18 cfm @ 20 psi
Compressed gases	Nitrogen, Argon, Carbon Dioxide or Helium (20 cfh @ 50 psi)	Not required
Aerosol type	Polydispersed (Cold)	Polydispersed (Cold)
Case accessory	Pressurized trolley shipping case	Pressurized trolley shipping case

RIGEL S.r.l.

Rome Site, Sales and Technical Service

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

Milan Site, Sales and Logistic

Piazza Contessa Giuseppina Del Maino, 11 | 20086 Motta Visconti (Milan), Italy
Ph. +39 02 49 49 15 01 - Fax +39 02 49 49 15 02

info@rigel-ls.com | www.rigel-ls.com



CONTACT OPIRA NOW

1300 157 969

SOLUTIONS@OPIRA.COM.AU

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