

# Large Particle Aerosol Generator

## Model 8108

Generates aerosols up to 10  $\mu\text{m}$  in diameter.

The Large Particle Aerosol Generator produces aerosol over a wide particle size range, from 0.1 to 10  $\mu\text{m}$ . Designed for easy cleaning, this generator produces potassium chloride (KCl) and other aerosols. A peristaltic pump pushes the KCl solution into a nozzle at the top of the generator, where a compressed air stream forces it out into a spray. As the droplets fall down the column, a counterflow of heated, ionized drying and dilution air moves upwards to neutralize the aerosol and remove excess water. The very broad size distribution exits the bottom of the generator, ready to be introduced into the test duct. The model 8108 meets the requirements of ASHRAE 52.2 and can also be used for ISO 16890-2 filter efficiency testing. It's an ideal aerosol generator for fractional efficiency testing of general ventilation filters and automotive cabin-air filters.

