

AFM FOG PISTOL

Sistema's afm fog pistol does offer an unmatched low weight (974 g) and compact design (27,5 x 22,75), supplying an unseen mobility and fog output for airflow visualisation and tracking studies in cleanrooms according to iso 14644-3 annex b7.

FOG OUTPUT CHARACTERISTICS

- Paperwhite fog output based on hot wire technology.
- High-density & long-standing
- Sixty minutes of autonomy based on battery package and 60 ml tank.
- Sterilised, clean, colourless/ odourless, non-contaminating, residue-less, no wipe down.
- Requiring media consisting of di-water and a low percentage of alcohol media
- Various accessories available (rake, small area cap, multiple sinter candles)

DESCRIPTION OF AFM FOG PISTOL

- Miniaturised, low-weight-clean room fog generator (condensation fog generator)
- Casing in aluminium anodised silver/cyan blue/black
- Fog to cloud modulation 'zero momentum'
60 ml refillable tank
- Sterilised, clean, cas cleared di-water w/alcohol fluid mix.
- Various demountable sinter elements plus a 2-section rake (fog wand)
- Rechargeable battery, 15V / 3200mah, 48wh, certified

(rechargeable in 60 min)

- Battery charger 115V / 230V

TYPICAL APPLICATIONS

- Airflow mapping & visualisation of air infiltration into/out of cleanrooms according to ISO 14644-3.
- Smoke testing of biosafety cabinet according to EU12469 & fume hoods according to ISO 14175-4
- Containment transport studies on process tools & optimisation



doors escaping fog pointing at silicon improperly applied and not providing sufficient tightness.)

- Detection of unsuspected particulate and gaseous containment sources
Suitable for recovery tests
Clean alternative for toxic (sulphurous acid) glass tubes widely used at air flow studies or leak tests
- Suitable for segregation tests (mandatory in upcoming part 11 of standard.) acc. to which fog is to be generated. Right outside a laminar airflow system to properly assess the quality of the barrier effect. Enabling smoke tests of differential pressure < 5 Pa

of equipment locations

- Cleanroom leak tests (cleanrooms to be put under 80-100 Pa positive pressure.
- Thanks to the fog pistol dispersed dense, long-standing fog of high volume allowing leak detection studies. Through leaks at walls, ceiling, windows, and

