

Cleanroom Tools - Volcano VP12 + VP18

Cleanroom Fog Generators Volcano VP 12 + VP 18



Description & Functional Principle (Piezo Technology)

Cleanrooms are dynamic systems. People and goods are constantly in motion. Further installations, production lines and machines are from time to time adapted to the fabrication of different products. According to the relevant standard ISO 14644 part 3 Annex B7 the operators of cleanrooms are obliged to periodically give evidence of the actual airflow situation by an airflow mapping based on high purity water fog generators of CAT's VP series. VP series systems do provide a high volume, density and purity of fog based on nothing else than pure water (deionised water or water for injection). The water fog is generated by atomizing deionised water into micro water droplet fog. The generated fog is ultra-pure leaving no traceable particles after its evaporation.

Typical Applications

- Air flow visualization studies (ISO 14644-3 Annex B7).
- Optimization of equipment locations for a minimization particle introduction into critical areas
- Finding unsuspected sources of particulate contamination.
- Tracking routes of air infiltration
- Pressure balancing
- Operator trainings

See Product Video at:









<http://www.catgmbh.de/index.php/en/products/fog-generators.html>

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Scope of Delivery

Description	VP12	VP18
Ultrasonic Module with 12 piezos		
Ultrasonic Module with 18 piezos		
Fog Outlet (Ø 80 mm)		
Micro Fan 24V		
Water Fill Level Indicator		
Temperature Survey Function		
Parallel connection of single Ultrasonic Modules		
Soft Start Electronic		
Built in Main Fuse (T8A H250 IEC 60127)		
Flexible Tube (L x Ø: 2.500 x 80 mm)		
CE Certificate of conformity Manual Certificate of non-objection		

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Available Options for Volcano Series	VP12	VP18
Remote Control via 10m cable for system start and stop from remote location		
Transport Trolley (Heavy Duty Foam)		
Fog Lance (900 x 60 mm) & Butterfly Valve for fog control		
Fog Lance (1350 x 60 mm) & Butterfly Valve for fog control		
Technical Data:		
WxHxD:	420 x 260 x 400 mm	420 x 260 x 400 mm
Weight:	19,0 kg	20,0 kg
Power Supply:	230V AC	230V AC



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Keys benefits - Volcano VP12 + VP18

- Quick refilling
- Leaving no residue
- Immediate available fog - no warm-up phase
- Fog is at room temperature - No flow bias by fog temperature
- Optimal Handling characteristics



Cost saving by

- High Reliability
- Perfect Vizualizations
- Comfortable and time saving handling
- No safety training required
- Only deionized water required



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Portfolio of CAT Clean Air Technology GmbH

- Validation & Qualification of Cleanrooms
- Consulting & Planning of Cleanrooms
- Calibration of measurement devices
- Commissioning of Cleanrooms
- Monitoring-Systems



- **Cleanroom-Tools**



CAT Clean Air Technology GmbH Certification

CAT Clean Air Technology GmbH is a certified DIN EN ISO 9001:2008 company in the fields:

- Inspection and approval measuring
- Calibrations
- Monitoring Systems
- Development of measuring systems



References (Extract)

