



FACE MASK CLOGGING TESTER

Face Mask Clogging Tester ToronFM™ CT The sample is exposed to a known concentration of dolomite dust in the air. After exposure, the breathing resistance and filter penetration of the particle-filtering half mask are measured.

APPLICATIONS

Standards

- 1. EN 149 section 8.10

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	ToronFM™ CT
Dust	DRB 4/15 dolomite
Dust Distributor	Particle size range: 0.1 um ~ 10 um Mass Flow Range: 40mg/h --- 400mg/h
Breathing Machine	Displacement: 2.0L/stroke Frequency: 15 times/min
Exhaled Air Temperature	(37 ÷ 2)°C
Exhaled Air Humidity	95% R.H minimum
Continuous Flow Through the Dust Chamber	60 m3/h, linear velocity: 4 cm/s
Concentration of the Dust	(400 ÷ 100) mg/m3

Parameter	Specification
Test Chamber	Inner Dimension: 650 × 650 mm × 700 mm Airflow: 60 m ³ /h, linear velocity: 4 cm/s Air Temperature: (23 ± 2)°C Air Humidity: (45 ± 15)%
Respiratory Resistance Measurement Range	0 ~ 2000 Pa, accuracy: 0.1 Pa
Voltage	220V, 50Hz, 1KW (110V is also available)
External Dimension	3800mm x 1100mm x 1650mm
Weight	320kg

Accessories

Item	Quantity
Automatic dolomite dust generator	1pc
Automatic powder feeding center system (Continuous feeding device)	1set
TSI laser dust particle counter	1pc
Sinusoidal wave simulates ventilator	1set
Saturated steam generator	1set



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