

Paraffin oil filter penetration test equipment

Description:

The equipment essentially comprises a paraffin oil generator, light scattering photometer, flowmeters, sample holding device and connecting arrangements. It is supplied as generally described in EN149, filtering facepieces and similar standards.

The sample mask is secured in a fixture, which in turn is positioned in the filter holder located in the aerosol path. The aerosol flow rate is normally 95 l/min.

Our unit uses a modified aerosol generator which differs from the generator specified in the standards. However the results produced are equal to those using the equipment specified in the standard.



Optional item:

For test flow rates greater than 95 l/min, a heavy duty pump is required.

Services required:

Bench mounted
110/230 volts AC, 50/60Hz, mains electricity
Instrument quality compressed air at a pressure up to 6 bar
An extraction fan and ducting to the outside of the building
Paraffin oil as specified in the standard.

Approximate packed size & weight:

110 x 60 x 40 cm : 120 kg

Relevant standards:

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|---------------------------|-----------------------------|
| EN 143:2006, clause 8.7.4 | EN 1827:2009, clause 8.8 |
| EN 149:2009, clause 8.11 | EN 14387:2006, clause 7.9 |
| EN 405:2009, clause 7.7.1 | EN 13274-7:2008, clause 7.2 |