

Test Cabinet for filter discharge

TDC 584



3D CAD-Modell of the test cabinet for filter discharge TDC 584

The harmonization of international testing standard ISO 16890-4 requires neutralization of tested filter element by Iso-propyl-alcohol (IPA) treatment. Therefore a suitable test cabinet for filter discharging is needed. The solution proposed in ISO 16890-4, chapter 7 requires a large amount of hazardous substance with approximately 1 l of liquid IPA, whereas particularly the handling of the trays filled with liquid IPA is risky. Furthermore large quantities of IPA saturated air enter the laboratory after opening the cabinet, which is a sanitary as well as a safety-related problem. It also requires an air extraction of the complete laboratory area.

Due to these problems TOPAS decided to develop a new cabinet for the filter conditioning according to ISO 16890-4.

Special Advantages

- Fast and constant saturation of the air with IPA in a customizable saturation time
- Integrated suction and flushing of the chamber
- Minimal use of IPA (250ml per filter)
- Certification of security level by accredited certification bodies

Applications

- Conditioning of air filters according to ISO 16890-4 (for followed testing of the mechanical separation behaviour with the General Air Filter Test System ALF 114)
- Electrical neutralization of bag- and cartridge filters, filter bags and flat media

Technical Data

Cabinet volume for filter element(s):	610 mm x 610 mm x 950 mm
Auxiliary process time of filter conditioning	
Saturation	15 min
Flushing	20 min
Dimensions	1600 mm x 1000 mm x 1000 mm
Weight	250 kg

QMS certified to
DIN EN ISO 9001.



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For more information please
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