

Test Cabinet for filter discharge

TDC 584



testcabinet 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 at least about 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
- Integrated suction and flushing of the chamber (Exhaust air guidance required)
- Low use of IPA of max. 1l per conditioning (several filters possible)
- 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 Topas ALF 114)
- Electrostatic neutralization of bag- and cartridge filters, filter bags and flat media

Technical Data (abstract)

Cabinet volume for filter element(s):	610 mm x 610 mm x 950 mm (WxDxH)
Auxiliary process time of filter conditioning	
Saturation	15 min
Flushing	30 min
Dimensions	1200 mm x 1200 mm x 1900 mm
Weight	250 kg

QMS certified to DIN EN ISO 9001.



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For more information please visit our website at www.topas-gmbh.de

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