

KS Smoke Tightness Test Rig



Secure emergency exit - Tested with the KS Smoke Tightness Test Rig

The complete computer-controlled KS Smoke Tightness Test Rig was developed specifically for the tests of smoke protection closures according to EN 1634-3 and DIN 18095-2.

The test procedure demonstrates in a simplified way how a door behaves during a fire. For that the air passage is measured from one side of the room to the other under the influence of different pressures and temperatures. The test is operated with air pressure. An integrated fog machine (optional) clarifies the leakage.

The KS Smoke Tightness Test Rig consists of a test room of stainless steel with an open front side in that is mounted a test frame including the test element. A pneumatic clamping system connects the frame with the test chamber very fast and without the separate use of tool kits. A special sealing system at the front side of the test room brings an optimally sealed test chamber.

The test rig is equipped with a fully automated PC-control, a measuring system up to 200 m²/h, a compressor up to 250 Pa, a heating system and air circulation.

Advantages KS Smoke Tightness Test Rig

- Durable, massive construction
 - Easy to handle
- Special system for sealing
- Grid system for different element sizes
- Fast, easy mounting
- Precise measurement results
- With water circulating system and heating system
- Low maintenance
- EC-conform

- PC-controlled, network connection
- Size according to customer requirements to implement

Technical Data

KS Smoke Tightness Test Rig	
Electrical connection	150 kW
Air connection	1/4", 6 bar
Test block width	3.400 m ³
Test block height	3.400 mm
Test block depth	80 - 300 mm
External measure width	4.900 mm
External measure height	4.700 mm
External measure depth	3.500 mm
Remote maintenance	Internet access

