

Test stand for safety valves

>PSV1000NM<



For testing of cabin safety valves of the aircraft types

AIRBUS,
BOEING and
EMBRAER

for function and leakage during production and maintenance.

- > Fully automatic test run with automatic logging.
- > Simulation of cabin and ambient pressure by filtered compressed air and integrated water ring vacuum pump with liquid separator.
- > Additional test rack for measuring of: weight, insulation, transition resistance, force measurement and stroke
- > Simultaneous testing at test stand and test rack is possible.

RANGE OF APPLICATION

Airbus A320, A330, A340, A380	Boeing B737, B747, B787	Embraer ERJ 170/190
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GENERAL INFORMATION

- > Easy accessible test chamber with hydraulic lock for quick change of UUT
- > Universal UUT adaption via mechanical clamping
- > Bar code reader for serial production
- > Remote maintenance via modem
- > Ergonomic, compact design

TECHNICAL DATA

<p>> Vacuum supply:</p> <p>Vacuum: max. 33 mbar abs. (0.48 psi) Nominal suction flow: 500 m³/h Nominal width: 80 mm</p>	<p>> Measurements:</p> <p>Flow: 0.03 - 491 gps (0 - 1.08 lb/s) ± 2 % a.f.s.</p> <p>Differential pressure: ± 100 mbar diff. (± 1.45 psi) ± 0.1 % of the range</p> <p>Absolute pressure: 0 - 6 bar (0 - 87 psi) ± 0.25 % of the range</p> <p>Temperature: 0 - 100 °C (0 - 212 °F) (Test chamber) ± 1 K</p> <p>Absolute pressure: 0.8 - 1.2 bar (11.6 - 17.4 psi) (ambient) ± 0.25 % of the range</p> <p>Humidity and temperature measurement (ambient): 0 - 100 % rH (± 5 % a.f.s.) -20 to + 80 °C ± 1 K</p> <p>Laser path measurement: 0 - 120 mm ± 0.5 mm abs.</p>
<p>> Hydraulic supply:</p> <p>Supply pressure: max. 150 bar (2175 psi) Flow: max. 25 l/min (6.6 US gpm)</p> <p>The hydraulic supply is utilized for locking of test chamber and operation of flow control valve.</p>	
<p>> Pneumatic supply:</p> <p>Compressed air: range: 5 to 10 bar (72.52 to 145 psi) Air volume: 0.5 kps (1.1 lb/sec.) Nominal width: 50.8 mm</p>	
<p>> Electrical connected loads:</p> <p>3/N/PE AC 50 Hz 400 V Nominal current 50 A</p>	
<p>> Cooling water supply:</p> <p>Water: max. 1.5 bar (max. 21.76 psi) Flow: max. 16 l/min (4.23 US gpm) Nominal width: 25.4 mm</p>	

Technical data are subject to change!