

Test Stand for Safety Valves

>BSV1AF<



For computer controlled testing of safety-/ outflow valves of their characteristics e.g. test pressure, decrease of pressure, leakage, flow etc. with a max. flow of 100lbpm

- > Due to the use of appropriate adapters it is possible to test many different types of units under test (UUTs); (e.g. at present, valves of the aircraft types Boeing 747 / 737 / 777 / AWACS and C-135 are tested)
- > Computer controlled via a moveable operating panel with main computer, TFT-monitor, keyboard, mouse and printer
- > Data recording with disc drive and/or CD-RW drive

GENERAL INFORMATION

- > Two TFT-monitors for graphical indication of the measurements
- > Keyboard to operate the test stand with software program <TFSW 2000>
- > Printer for test records
- > Modem system for remote maintenance
- > 6 pcs. air-cooled vacuum pumps to generate the test vacuum
- > All necessary adaptations to connect the UUTs are in the test chamber
- > Hydraulic clamping of the moveable test chamber
- > UUT installation in every angle position
- > Quick adaption via V-clamps
- > Large inspection window
- > UUT-monitoring via WebCam
- > All circuits connectable
- > All regulators are remote controllable via main computer

TECHNICAL DATA

<p>> Supply:</p> <p>Supply voltage (Test stand):</p> <p>Mains supply 3/PEN AC 50Hz 400V</p> <p>Nominal current approx. 345A</p> <p>Power approx. 240kVA</p> <p>Supply voltage (Computer system):</p> <p>Mains supply 1/N/PE AC 50Hz 230V</p> <p>Nominal current approx. 7A</p> <p>Power approx. 0.8kVA</p> <p>Compressed-air supply:</p> <p>Pressure 5 to 10bar</p> <p>Quantity 65lbpm</p> <p>Hydraulic supply:</p> <p>Capacity approx. 50l</p>	<p>Vacuum chamber supply:</p> <p>Final pressure min. 20mbar abs.</p> <p>> Measuring Equipment:</p> <p>Differential pressure: Range up to ± 1000mbar</p> <p>Pressure Range 0 to 6bar abs.</p> <p>Flow: Range 5ml to 46000Nlpm</p> <p>Voltage Range 0 to 40VDC</p> <p>Humidity: Range 0 to 100rel%</p> <p>Temperature: Range -20 to +60°C</p> <p>Resistance Range 0 to 25000hm</p> <p>> Vacuum pump:</p> <p>Speed 1000min⁻¹</p> <p>Air quantity 1600m³ph each</p> <p>Drive motor 30kW (total 180kW)</p>
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OPTIONS

A wide range of options is available to fulfil our customers' requirements.
 e.g.: Adaption for different aircraft types, etc.