

Pneumatic Test Stand

>SPAN50/15<



Universal test stand for computer-controlled testing and characteristic curve pick-up.

- > Dynamic and static leakage measurement
- > Flow measurement 2 mNlpm - 75000 Nlpm
- > Performance testing up to 600 °C, 1.5 kgps, 50 bar
- > Soundproof test chamber
- > Boost circuit up to 80 bar for high pressure test
- > Stainless steel tubing
- > Mixing unit for regulation of pressure and temperature for the UUT
- > Vacuum test up to 50 mbar abs.
- > External operation for all functions
- > Highly dynamic and precise hydraulically operated flow and pressure regulators

TESTS

- > Nozzle Flow Test
- > Operating Pressure Test
- > Internal and External Leakage Test
- > Performance Test
- > Pressure Drop Test
- > Proof Pressure Test
- > Regulating Function Test
- > Functional Test
- > Diaphragm Chamber Test
- > Control Limit Test

TECHNICAL DATA

<p>> Performance Tests:</p> <p>LP High Flow Section: 0-1.5 kgps 0-14 bar 20-350 °C</p> <p>HP High Flow Section: 0-1.0 kgps 0-50 bar 20-600 °C</p>	<p>> Electric supply:</p> <p>Mains supply: 3/N/PE AC 50 Hz 400 V Nominal power: 30 kVA Preliminary fuse: 43 A</p>
<p>> Static Tests:</p> <p>Vacuum Circuit: 0.050-1 bar abs. 200 lpm</p> <p>HP Circuit 1, 2, 3: 1-50 bar</p> <p>LP Circuit 1, 2: 0-10 bar</p>	<p>> Air supply:</p> <p>50 bar, 1.0 kgps, 20 °C and 50 bar, 1.0 kgps, 600 °C Compressor supply wattage: 650 kW Connection output heater: 800 kW (80 m³ph natural gas)</p> <p>14 bar, 1.5 kgps, 20 °C and 14 bar, 1.5 kgps, 350 °C Compressor supply wattage: 800 kW Connection output heater: 700 kW (70 m³ph natural gas)</p>
<p>> Flow measurements:</p> <p>Measuring Circuit 1: 2-2330 Nlpm 0-50 bar</p> <p>Measuring Circuit 2: 12-20000 Nlpm 0-50 bar</p> <p>Measuring Circuit 3: 2 mNlpm-20 Nlpm 0-50 bar</p> <p>HP BOOST Circuit: 0-80 bar</p> <p>Manual Outlet 1, 2: 0-10 bar</p> <p>Hydraulic Control Circuit: 150 bar 25 lpm</p>	

OPTIONS

Many options are possible for adaption, e.g. adaption for other UUTs, etc.

Technical data are subject to change!





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