

Pulse Pressure Test Rig

> DP3A900 <



Designed for dynamic and static pressurization of hydraulic assemblies for EUROFIGHTER, such as pipes, connection elements, housing of components etc..

Can be adapted for other aircraft types.

- > Manual and automatic tests (e.g. tests of life cycle) i.a.w. current test standards
- > Temperature simulation between -60°C and $+110^{\circ}\text{C}$
- > Quick change system for UUT's
- > Quick deaeration by vacuum

TESTS I.A.W. THE FOLLOWING TEST STANDARDS

DIN ISO 6772	prEN 2624	DIN 20024	DIN EN ISO 6803
SAE ARP 1383	SAE SA 1227	SAE AS 620	SAE ARP 603

GENERAL INFORMATION

- > It is possible to perform tests i.a.w. other test standards
- > Remote maintenance via modem

TECHNICAL DATA

<p>> Hydraulic parameters:</p> <p>HD-pump circuit: max. 50l/min (13.2USgpm) max. 315bar (4.570psi)</p> <p>Static pressure circuit: max. 2.000bar (29.000psi)</p> <p>Dynamic pressure circuit: max. 900bar (13.050psi)</p> <p>Evacuating circuit with separator: up to -900mbar (-13psi)</p> <p>LP-pump circuit: max. 5lpm (1.3USgpm) max. 20bar (290psi)</p> <p>Main reservoir: approx. 160Liter (42.3USgal)</p> <p>Leakage reservoir: approx. 10Liter (2.6USgal)</p> <p>Climate power unit: -60 to 110°C</p> <p>N2-circuit: N2-connection max. 200bar (2.900psi)</p> <p>N2-accumulator: max. 315bar (4.570psi)</p>	<p>> Measurement range:</p> <p>Druck: 0 - 2000bar (0 - 29.000psi) Kl. 0.5 0 - 1000bar (0 - 14.500psi) Kl. 0.5 0 - 400bar (0 - 5.800psi) Kl. 0.5 0 - 100bar (0 - 1.450psi) Kl. 0.5 0 - 23bar (0 - 334psi) Kl. 0.5 0 - 16bar (0 - 232psi) Kl. 0.5 0 - 10bar (0 - 145psi) Kl. 0.5</p> <p>Strom: 0 - 20mADC Kl. 0.5</p> <p>Spannung: 0 - 10VDC Kl. 0.5</p> <p>Temperatur: -60 bis 160°C Kl. 0.5 0 bis 100°C Kl. 0.5</p>
	<p>> Test medium (selectable):</p> <p>MIL-H-5606, MIL-H-87257, MIL-H-83282, Exxsol D110, ShellSol D100, Varsol 110</p>
	<p>> Pneumatic supply (requirements):</p> <p>Druck: min. 5.5bar, max. 10bar (min. 80psi, max. 154psi)</p> <p>Durchfluss: 20Nm³/h</p>
<p>> Dimensions and weight:</p> <p>Test rig: Length: 3.150mm (124inch) Width: 2.470mm (97.2inch) Height: 2.250mm (88.6inch) Weight: ca. 3.420kg (7.540lb)</p> <p>Power unit: Length: 1.670mm (65.7inch) Width: 1.670mm (65.7inch) Height: 2.250mm (88.6inch) Weight: ca. 1.560kg (3.440lb)</p>	<p>> Cooling water supply (requirements):</p> <p>Temperatur: 12°C</p> <p>Druck: 10bar (145psi)</p> <p>Durchfluss: 100l/min (26.4USgpm)</p>
	<p>> Electrical supply (requirements):</p> <p>3/N/PE AC 50Hz 400V Nennstrom: 95A Leistung: 65.8kVA</p>

Technical data are subject to change!