

AHT87



Aircraft Ground Equipment



Technical specifications

<i>Capacity nominal</i>	0-20 l/min up to 210 bar
<i>Capacity at 49 °C</i>	0-18 l/min up to 210 bar
<i>High-pressure pump drive</i>	Type: diesel, direct ignition, air cooled, twin cylinder. Output: 10 kW at 2700 rpm.
<i>Fluid specification</i>	MIL-H-5606, MIL- H-83282 or MIL-H-87257
<i>Fluid cleanliness level</i>	NAS 1638, class 5 or better
<i>High-pressure pump</i>	Axial piston, variable stroke
<i>Boost pump</i>	Direct driven G-rotor pump
<i>Cooler</i>	Oil-to-air cooler
<i>Operating temperature</i>	-32 °C up to +49 °C
<i>Pressure & flow control</i>	Manually controlled valves /pump
<i>Indication</i>	Digital read-out for pressure, flow and temperature
<i>Fluid reservoir</i>	14 l; de-aeration with 0.7 bar abs. above reservoir level Aircraft reservoir selection system
<i>High-pressure filter</i>	2-micron outlet filtration, replaceable element
<i>Boost system filter</i>	3-micron filtration, replaceable element
<i>Piping</i>	High-pressure lines: stainless-steel Low-pressure lines: aluminium
<i>Outlet system</i>	One pressure- and flow-controlled outlet
<i>Return system</i>	One pressure-controlled inlet
<i>External connections</i>	One 3/8" pressure hose One 3/4" return hose
<i>Average noise level</i>	71 dB(A) at a 3.65 m radius from test stand
<i>Dimensions (L x W x H)</i>	1000 x 700 x 950 mm
<i>Weight</i>	240 kg

Structure

Light weight, compact, highly portable, easy manoeuvrability.

Operation

Easy, safe and reliable operation complying with military and civil aircraft specifications and low-level maintenance requirement.

Reservoir selection

The AHT is equipped with the Sun Aircraft reservoir selection system, enabling continuous de aeration, degassing, dehydration and filtration. This system supersedes a "closed loop" system.

Functions

The tester is designed to perform the following functions and test procedures:

- Provide a source of hydraulic power to operate the aircraft hydraulics system and controls for functional and operational tests without the necessity of starting the aircraft engines.
- Test the aircraft hydraulics system for function checks, for indication of malfunctions, for flow and pressure checks, leakage, etc.
- Filter (NAS Class 5 or better), de-aerate and dehydrate the aircraft hydraulic fluid.
- Drain, flush and refill the aircraft hydraulics system.

Options

- Calibration set TTS75.
- Teflon hoses.
- Reduced flow at higher pressure.
- Oil contamination measurement.