

AHT10 (OX38 version)



Aircraft Ground Equipment



Technical specifications

The AHT10 is an air motor driven, compact, mobile, manually controlled hydraulic test and flushing rig.

<i>Low-pressure hand pump</i>	Single stage double action 240 cm ³ per stroke up to 4 bar. Single stage single action 10 cm ³ per stroke up to 7 bar.
<i>Reservoir capacity</i>	30 litres all stainless steel
<i>Housing</i>	all stainless steel
<i>Fluid specification</i>	OX 38
<i>Circulation pump</i>	Pneumatically driven
<i>Capacity</i>	Flow up to 4 l/min.
<i>Operating temperature</i>	-32°C up to +55°C
<i>Pressure control</i>	Controlled by lever of hand pump
<i>Filtration</i>	Outlet filter, replaceable 2-micron element, no bypass.
<i>Cleanliness</i>	NAS 1638 class 5 or better
<i>Test points</i>	To enable a fluid contamination monitoring test
<i>Piping</i>	All stainless steel.
<i>Outlet system</i>	Pressure-controlled outlet
<i>Return system</i>	Open return with valve to reservoir or to waste fluid bin
<i>External connection</i>	3/4" supply pressure hose, length 6 m 3/4" return pressure hose, length 6 m
<i>Storage room</i>	For a waste (return) fluid drum or a new fluid drum
<i>Average noise level</i>	Less than 75 dB(A) (measured at a distance of 1 m from the rig)
<i>Dimensions (L x W x H)</i>	600 x 635 x 1110 mm
<i>Weight</i>	110 kg

Vacuum system

0.6 bar (absolute) pressure in fluid reservoir for de-aeration and dehydration of hydraulic fluid.

Operation

Easy, manually controlled operation, gauges for supply and return pressure.
To drive the pumps for the flushing (fluid sampling) and vacuum system, the air motors are operated from a shop airline.

Functions

The tester is designed to perform the following functions on hydraulic systems:

- Provide a source of hydraulic power for generator oil system tests.
- Filter, de-aerate and dehydrate the aircraft gearbox hydraulic fluid.
- Flush and replenish the aircraft gearbox.

Options

Other hydraulic fluids e.g. OM15 or OX20.