Hydraulic Test Equipment For E-JET E2

>HTEE2<

Developed for hydraulic testing of aircraft and aircraft assemblies.

Fully automatic operation of the following procedures:

- pressure tests with air or nitrogen
- filling with hydraulic medium
- pressure tests with hydraulic medium
- turbulent flushing and cleaning
- measurement of hydraulic medium purity
- draining and drying

Can be adapted for aircraft types of different manufacturers.

Main components:

- HPU - Hydraulic Power Unit
- integrated HDS - Hydraulic Distribution System
- integrated HMI - Human Machine Interface
- integrated HIAC PODS - Particle Counter

Accessories:

- Electrically commanded jumper valves, connections
- Trolleys for storage
- Compressed air preparation system
- Waste air filter system
- Switch cabinet-air conditioning unit

MISCELLANEOUS

- Automatic test report generator with all test results
- Fully automatic test program via software
- Particle measuring device to measure oil parametres online in accordance with AS4059 or NAS1638
- Internal gear pump combined with axial piston pump to generate the required pressure
- Hydraulic filter with electrical contamination indication for test medium purity
- Compressed air filter to clean and drain the compressed air
- Oil/air cooler to cool the test medium
- Chassis with turntable steering, solid rubber tyres and parking brake
- Main tank with approx. 500l capacity and fill level monitoring
- Easy accessibility for maintenance via access openings and cover
- Drip pan to catch leaking medium during maintenance tasks or to catch any occuring leakage
- Provided with openings for forklift and lashing points for transport by crane

OPTIONS

A wide range of options is available to fulfil our customers' requirements.

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TECHNICAL DATA

> Hydraulic parameters:

Pressure:	max. 4500psi (320bar)
Flow:	max. 20gpm (78l/min)
Nominal flow:	max. 20gpm at 3000psi (max. 78l/min. at 207bar)

> Electrical supply (requirements):

Mains supply:	3/PE AC 60Hz 440V
Nominal current:	75A
Nominal power:	57kVA
Back-up fuse:	max. 125A GL

> Hydraulic parameters and supplies (requirements):

Medium:	Skydrol Type V Fluid
Main tank:	Volume approx. 500l, stainless steel
High pressure pump:	max. 20gpm at 3000psi, max. 4500psi (max. 78l/min at 207bar) max. 320bar

> Pneumatic parameters (requirements):

Flow:	min. 265gpm (min. 1,000Nl/min)
Pressure:	min. 80psi (min. 5.5bar)
Quality:	ISO 8573-1 ISO Code 1-4-2
Temperature:	+15 to +35°C

> Dimensions and weight:

Length:	approx. 174.4inch (4,430mm)
Depth:	approx. 70.5inch (1,790mm)
Height:	approx. 71.3inch (1,810mm)
Weight:	approx. 7716lb (3,500kg)

> Measurements:

Flow: (1 off)	0.1 to 21.1USgal/min (0.5 to 80l/min) 0.1USgal/min (±0.5l/min abs.)
Flow: (1 off)	0 to 1.1USgal/min (0 to 4l/min) 0.01USgal/min (±0.05% abs.)
Pressure: (1 off)	0 to 5801.5psi (0 to 400bar) ±0.5% of measuring range
Pressure: (1 off)	0 to 5801.5psi (0 to 400bar) ±29.0psi abs. (2bar)
Pressure: (1 off)	0 to 1450.4psi (0 to 100bar) ±0.5% of measuring range
Temperature: (2 off)	0 to 212°F (0 to +100°C) 35.6°F (±2°C abs.)
Particle:	Cl. 00 to Cl.12 AS4059 (also other norms)

> Operating and storage conditions

Altitude:	max. 3,280ft (1,000m) MSL
Operating temperature:	41 to 104°F (5 to 40°C)
Storage temperature:	32 to 140°F (0 to 60°C)
Air humidity:	10 to 95% (non-condensing)
Service life:	> 20 years
IP-protection class:	IP43
Storage conditions:	Sufficiently conserved, best inside a hall

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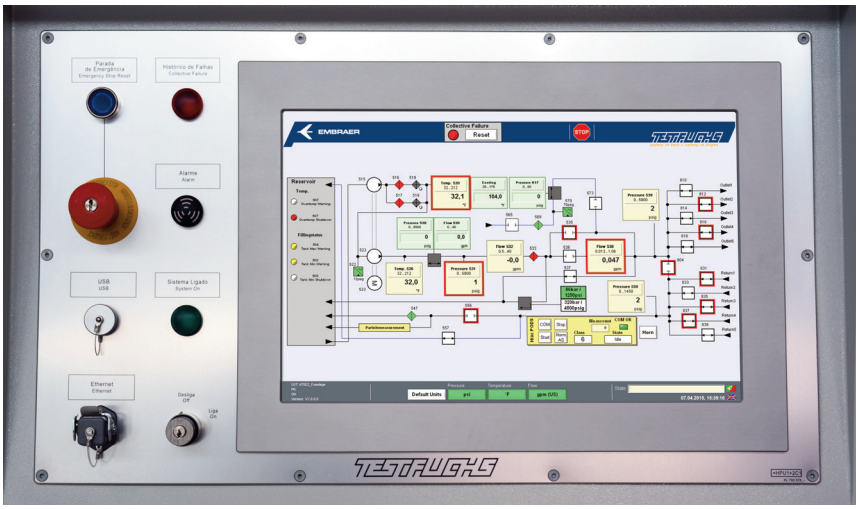
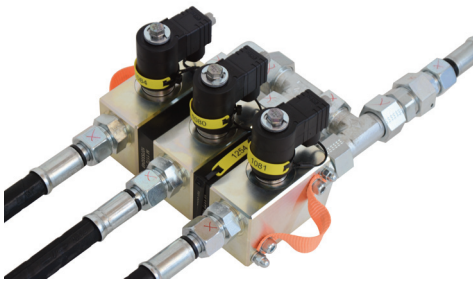
Technical data are subject to change!

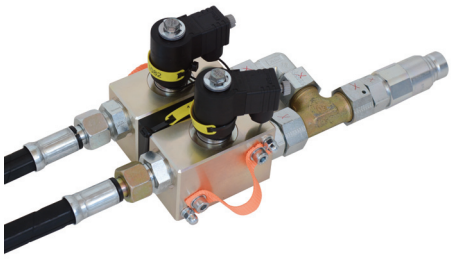
HMI



TROLLEYS

JUMPER VALVES





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