

Test Stand for Proof Pressure and Cleaning of Aircraft Tubes

>HOEP1000PFT<



Developed for static proof pressure testing, cleaning and drying of aircraft tubes.

It can be adapted for many types of aircraft tubes.

- > Burst testing up to 1,000bar
- > Electrically operated test room doors with safety light grids
- > Supply and return connection via hydraulically operated quick release latches for 0 to 55bar and 0 to 1,000bar
- > Mounting and demounting of the tubes to be tested on two movable desks

GENERAL INFORMATION

- > Computer-controlled via two control panels
- > Stainless steel design
- > Continuous separation of oil and water from the cleaning agent



Hydraulically operated quick release latches



Filters in the hydraulic supply system



Control panel left and right



Cooling system

OPTIONS

Many options are possible for adaption
e.g. adaption to other aircraft tubes, different control panels etc.

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TECHNICAL DATA

> **Hydraulic parameters:**Hydraulic supply (internal)

Capacity:	approx. 40l (10.6USgal)
Pressure:	80bar (1,160.3psi)
Flow:	7l/min (1.9USgpm)

2 nitrogen supplies

	max. 15bar (217.6psi)
	max. 30bar (435.1psi)

Cooling system (external)

Refrigerant

Cooling system:	R410A
Medium:	water + 30% Antifrogen N
Cooling power:	18.5kW
Flow:	6,150m ³ /h (217,185ft ³ /h)

> **Pneumatic parameters (requirements):**Pneumatic supply

Flow:	max. 100l/min (26.4USgal/min)
Pressure:	6 to 10bar (87 to 145psi) dry and oil-free
Quality:	ISO 8573-1242

Nitrogen supply

	max. 30bar (435.1psi)
	max. 210bar (3,045.8psi)

> **Electrical parameters (requirements):**Test stand

3/N/PE AC 50Hz 400V

Nominal current:	22A
Power:	15kVA
Preliminary fuse:	max. 80A

Cooling system

3/PE AC 50Hz 400V

Nominal current:	13A
Power:	7.4kW
Preliminary fuse:	25A

> **Main circuits:**

Test and cleaning medium:
Solvent 100 or nitrogen

Flushing and filtration circuit:
max. 250l/min (66USgpm)
max. 14bar (203psi)
up to the test outlets

MP test circuit:
max. 5l/min (1.3USgpm)
max. 55bar (797.7psi)

HP test circuit:
max. 0.75l/min (0.2USgpm)
max. 1,000bar (14,503.8psi)

Medium cleaning:
max. 10l/min (2.6USgpm)
max. 3bar (43.5psi) with active carbon
for oil and coalescing filter for water

Main tank:
approx. 700l(185USgal)

Auxiliary tank:
approx. 300l (79.3USgal)

Nitrogen circuit:
max. 9bar for UUT drying

Compressed air circuit:
max. 10bar (145psi)

> **Dimensions and weight:**Test stand

Length:	11,610mm (457inch)
Width:	4,100mm (161.4inch)
Height:	4,450mm (175.2inch)
Weight:	approx. 7,500kg (approx. 16,534lb)

Cooling system

Length:	1,315mm (51.8inch)
Width:	660mm (26inch)
Height:	1,400mm (55.1inch)
Weight:	approx. 347kg (approx. 765lb)