Fuel nozzle test stand

>FNTS9<

Designed to test and adjust the characteristic parameters of fuel nozzles like flow stability, flow rates, spray angle, diffusion and leakage.

It is applicable for:

AIRBUS
BOEING

Adaptable for other aircraft types.

- Automatic test operation
- Visual inspection of spray stream by turning range of 360°
- Easy change of UUT via quick clamp device
- Primary explosion protection i.a.w. ATEX-directive 94/9/EG

RANGE OF APPLICATION

CFM56 (Parker)	CFM56 (Woodward FST)	CFM56DAC (Parker)
CF6-80 (Parker)	GE90 (Parker)	GP7200 (Parker)

GENERAL INFORMATION

- Easy accessible test chamber
- UUT for attachment to a universal adapter
- Calibration by software
- Remote maintenance via modem
- Ergonomic and compact design

TECHNICAL DATA

Electrical connected loads:

Main power supply:	3/N/PE AC 50 Hz 400 V Nominal current 16 A
Computer supply:	1/N/PE AC 50 Hz 230 V Nominal current 2.4 A

Hydraulic parameters:

Supply pressure:	max. 110 bar	(1595 psi)
Flow:	max. 20 lpm	(5.3 US gpm)
Main reservoir:	60 l	(15.9 US gal)
Filter level:	3 µ filter	
Nozzle supply temperature:	27 °C	± 1 °C

Compressed air supply:

Pressure:	6 to 10 bar	(87 to 145 psi)
Flow:	500 - 1000 lpm at STP	(18 - 36 scfm)
Nominal width:	12.7 mm	(0.5 in)

Cooling water supply:

Pressure:	min. 3 bar	(min. 44 psi)
Flow:	20 lpm	(5.3 US gpm)
Nominal width:	12.7 mm	(0.5 in)

Medium:

MIL-PRF-7024 Type II

Measurements:

Flow:	0.01 - 20 lpm ± 0.3 % o.r.	(0.003 - 5.3 US gpm)
Pressure:	0 - 160 bar ± 0.25 % o.f.s.	(0 - 2320 psi)
Differential pressure:	0 - 200 mbar diff ± 0.6 mbar diff	(0 - 3 psi diff) (± 0.01 psi)
Temperature:	0 - 40 °C ± 0.5 °C	
Stroke:	5 - 45 mm ± 1 % o.r.	(0.2 - 1.8“)

Dimensions and weight:

Width:	2250 mm	(7.4 ft)
Depth:	1940 mm	(6.4 ft)
Height:	2000 mm	(6.6 ft)
Weight:	1490 kg	(3285 lb)

OPTIONS

Many options are possible for adaption,
e.g. adaption to other aircraft types, to different touch-screens etc.

Technical data are subject to change!