

Fuel Component Test Stand

>KKP8LH<



Container and hot water tank with switch cabinet on the container



Test stand with electrical cabinet and operating unit



Main switch cabinet

Developed to test Fuel Flow Transmitters (FFTX).

The test stand delivers the required flow, pressure, temperature and all UUT relevant measuring values in order to fulfil the required tests in accordance with the CMM.

Explosion protection according to ATEX-directive 2014/34/EU

- > Ergonomic, compact setup with easily accessible test chamber for quick UUT change
- > Regulable flow from 50 to 60,000pph
- > Tests possible in a medium temperature range of 15 to 90°C
- > Rotary equipment for FFTX in two axes
- > Quick release equipment for FFTX (no tools required)

GENERAL INFORMATION

- > Two coriolis sensors with different measuring ranges for the mass flow
- > Extractable drip trays in the base frame of the test stand to collect leakage in case of maintenance or failure
- > In case of UUT exchange, leaking medium is filtered automatically via drip trays and the return tank and pumped back into the main tank
- > LAN-connection enables the maintenance of the TEST-FUCHS test stand software, test-procedures, network printers as well as troubleshooting on the device
- > Menu-controlled operation and indication on a rotatable touch-screen-panel
- > Clear arrangement of measuring, control and switching elements for maintenance tasks
- > Covers and doors offer effective noise protection
- > Equipment with openings for forklift transport as well as for crane transport with ring screws
- > Calibration possible by means of the software



Coriolis sensors



Rotary equipment



Supply
pump



Hot water-
tank

APPLICATION RANGES (EXTRACT) *

A/C	P/N	CMM
A300	8TJ124GGD1	73-10-01
A310	8TJ124GGD1 8TJ124GGT1 9-217-30	73-10-01 73-31-11 73-35-23
A320	8TJ167GHV1 8TJ124GGR1 8TJ124GHG1 9-217-44 9-217-94 9-217-59	73-31-08 73-30-11 73-35-29 73-38-01
A321	8TJ167GHV1 9-217-44 9-217-94 9-217-46 9-217-59	73-31-08 73-35-29 73-38-01
A319	8TJ167GHV1 8TJ124GHG1 9-217-44 9-217-94 9-217-59	73-31-08 73-30-11 73-35-29 73-38-01
A330	9-217-45 9-217-62 9-217-42	73-31-22 73-31-23 73-35-36
A340-600	9-217-71	73-31-25
A340	8TJ167GHV1 8TJ124GHG1 9-217-44	73-31-08 73-35-29

A/C	P/N	CMM
A380	9-217-67	73-31-27
B757	8TJ124GGN1 8TJ124GGN3 8TJ124GGL1 9-217-33	73-30-45 73-31-06 73-35-22
B744	8TJ124GGN3 8TJ124GGT1 9-217-33	73-30-45 73-31-11 73-35-22
B767	8TJ124GGN3 8TJ124GGT1 9-217-30	73-30-45 73-31-11 73-35-23
B737C	8TJ124GGM1 774984-3	73-31-08 73-30-46
B737N	8TJ167GHV1 8TJ167GHW1	73-31-08
MD11	8TJ124GGT1	73-31-11
B777	8TJ124ERG1 8TJ124ERJ1	73-31-12
Q400	8TJ126GAT2	73-31-13
CRJ200	9-127-68 9-127-83	73-35-28
B787	504542-4	77-13-03

TECHNICAL DATA

> **Electrical supply (requirements):**

Power supply

Mains connection: 3/N/PE AC 50Hz 400V
 Performance: : approx. 107.4kVA
 Nominal current: max. 155A
 Back-up fuse: : 160A GL

> **Hot water supply:**

Hot water tank: approx. 1,000 L (264 US gal)
 Heating performance: 75KW
 Low pressure pump: approx. 260 l/min.
 (68.7 US gal/min)

* Many other P/Ns can be tested on the test stand.

TECHNICAL DATA

<p>> Pneumatic supply (requirements):</p> <p>Compressed air supply: 6 to 10bar (87 to 145psi)</p> <p>Quality: ISO 8573-1 242</p>	<p>> Dimensions and weight:</p> <p><u>System part test stand <KKP8LH> (incl. electronical cabinet)</u></p> <p>Length: 3,370mm (132.7in) Width: 1,950mm (76.8in) Height: 3,480mm (57.1in) with liftgate 2,335mm (91.9in) without liftgate Weight: approx. 3,500kg (7716,2lb)</p> <p><u>System part main switch cabinet</u></p> <p>Length: 1,200mm (47.2in) Width: 630mm (24.8in) Height: 2,100mm (82.7in) Weight: approx. 500kg (1102.3lb)</p> <p><u>System part container and hot water tank (incl. switch cabinet and container)</u></p> <p>Length: 2,592mm (102.0in) Width: 1,450mm (57.1in) Height: 2,400mm (94.5in) Weight: approx. 2,100kg (4,629.7lb)</p>
<p>> Cool water supply (requirements):</p> <p>Cooling water connection: max. 15°C (59°F)</p> <p>Supply pipe pressure: approx. 4bar (58psi)</p> <p>Return pressure: approx. 1.5 to 2.5bar (approx. 22 to 36psi)</p>	<p>> Operating and storage conditions:</p> <p>Storage temperature: 0°C to +60°C (32 to 140°F)</p> <p>Ambient temperature: +18°C to 33°C (64 to 91°F)</p> <p>Rel. air humidity: 10 to 90% (non-condensing)</p> <p>Mounting height: up to 1,000m (3,280ft) over MSL</p> <p>Permanent noise emission: max. 75dB(A) in 1m (39.4in) distance</p> <p>Storage conditions: Sufficiently conserved, the best in a hall</p>
<p>> UUT supply:</p> <p>Test medium: MIL-PRF-7024E Type II</p> <p>Flow: 49.7ml/min to 596.7l/min (50 to 60,000pph)</p> <p>Pressure: max. 14 bar (200 psi)</p> <p>Temperature range: 15 to 90°C (59 to 194°F)</p> <p>- Heating from 15°C to 90°C in max. 15min.</p> <p>- Cooling from 90°C to 15°C in max. 15min.</p> <p>Return pump: 0.7 to 3.4bar (10 to 50psi)</p> <p>Main tank: 300L (79 US gal)</p>	
<p>> Hydraulic power unit:</p> <p>Medium: FUCHS Renolin MR 15 VG 46</p> <p>Pressure: 150 bar (2,176psi)</p> <p>Flow: max. 20l/min. (5.28 US gal/min)</p> <p>Volume tank: approx. 63L (16.6 US gal)</p>	

OPTIONS

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

e.g: adaption to many different UUTs, test program requirements, dimensioning,...