

Test Stand For Leakage Tests

>PDHT1<



The test stand is developed for leak detection of high pressure and low pressure fuel systems in diesel engine serial production.

It can be adapted for many engine series.

- > Test pressure up to 2,500bar
- > Electric pass through test and selection of injectors
- > Chiller for cooling the medium
- > Parameterized, automatic test sequence with report evaluation (15min test duration)
- > Hydraulic flushing block for plausibility check of the measuring instruments
- > Special sound insulation on the hydraulic power unit (max. 65dB(A))

GENERAL INFORMATION

- > The tank is filled via the external filling pump with automatic shutdown
- > Wireless barcode scanner for selection of motor data
- > Protective cover with drip trays
- > Low maintenance effort
- > Compact setup and easy access for maintenance tasks

TECHNICAL DATA

> Hydraulic parameters:

SRS Calibration Fluid
 Farbstoff D51000A Cromatint Fluorscent Yellow 175
 (Kontentration 0,04%)

> Hydraulic parameters:

Max. high pressure circuit:

Pressure: max. 2.500bar (36250psi)
 Flow: max. 8.5l/min (2.2USgal/min)

High pressure circuit:

Pressure: max. 150bar (2175psi)
 Flow: max. 8l/min (2.11USgal/min)

Low pressure circuit:

Pressure: max. 18bar (261.1psi)
 Flow: max. 16l/min (4.2USgal/min)

> Electrical supply (requirements):

Mains connection: 3/N/PE AC 50Hz 400V
 Nominal current: 65A
 Performance: 45kVA
 Prefuse: 80AgL

> Measurements:

Temperature

(6 off) 0 to 100°C (32 to 212°F)
 ±1K

Flow

(2 off) 0 to 4l/min (0 to 1.05USgal/min)
 ±0.5% of full scale

(1 off) 0 to 8l/min (0 to 2.1USgal/min)
 ±0.5% of full scale

(2 off) 0 to 16l/min (0 to 4.2USgal/min)
 ±0.5% of full scale

Pressure

(2 off) 0 to 18bar (0 to 261.1psi)
 ±0.5% of full scale

(1 off) 0 to 160bar (0 to 3625.9psi)
 ±0.5% of full scale

(2 off) 0 to 3000bar (0 to 43511psi)
 ±0.5% of full scale

Electrical resistance (for continuity test)

(1 off) 0 to 100mV
 ±0.5% of full scale

(1 off) 0 to 25mA
 ±0.5% of full scale

TECHNICAL DATA

> Dimensions and weight:

Test stand

Width: 4650mm (183.1in)
 Depth: 1300mm (51.2in)
 Height: 2460mm (96.8in)

Protective cover

Width: 7910mm (311.4in)
 Depth: 3790mm (149.2in)
 Height: 3010mm (118.5in)

Operating temperature: 5 bis 35°C (41 bis 95°F)

Storage temperature: 0 bis 60°C (32 bis 140°F)

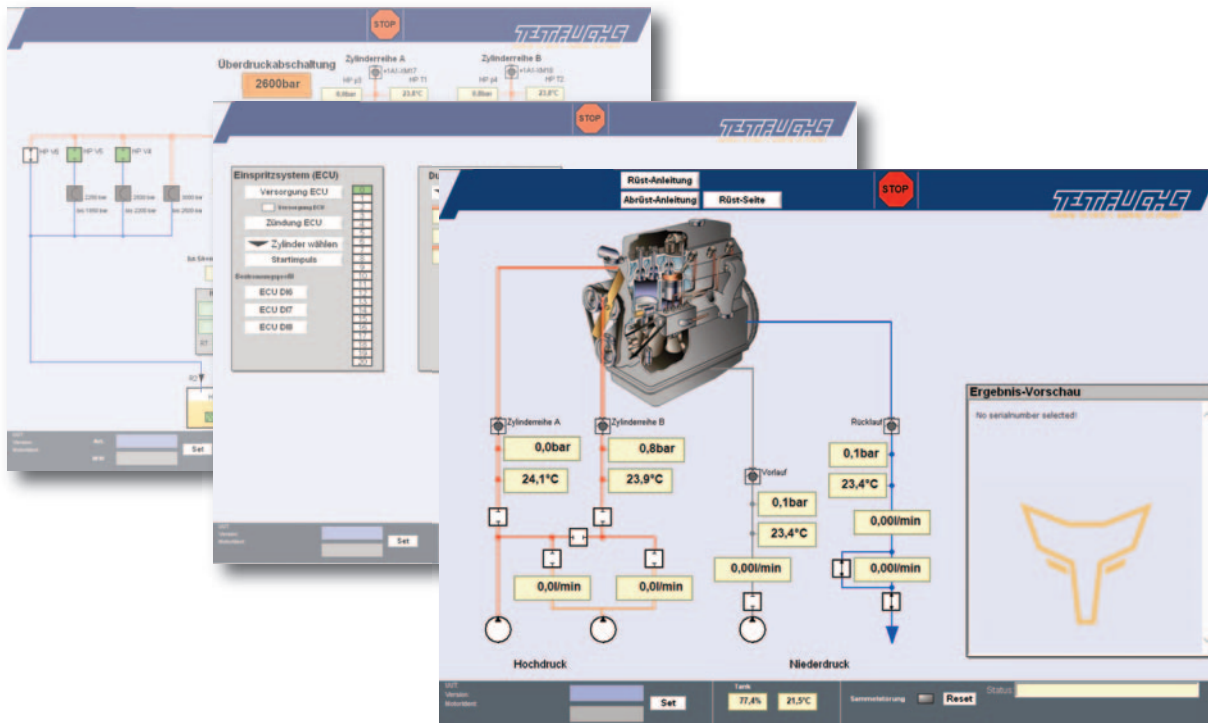
Height: bis zu 1.000m (3.280ft)
 über MSL

rel. humidity: 10 bis 95% (non condensing)

Continuous noise emission
 max. 65dB(A)
 in 1m (39,4in) Abstand

OPTIONS

Various options available to meet our customers' requirements
 e.g.: requirement to the test program, dimensioning...



Software user interface