Fuel System Maintenance

Test Rig Adaptor

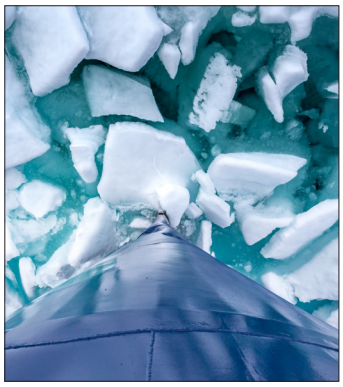
OBEL-P®

PPMI 1000

The PPMI 1000 is a precise and efficient fuel injector test rig adaptor.









Application area

- 2-stroke engines

Key benefits

- PPMI 1000 enables MAN Diesel & Turbo slide fuel valves to be tested correctly when used with an Obel-P test rig or with a 3rd party analogue or digital VPU-type product.
- Separate display for data collection
- Stores data for easy evaluation and further use
- Precise digital display
- Patented design
- Guiding system for operator:
  - Injector prefill
  - Opening pressure test
  - Nozzle leakage test
  - Venting / non-return valve test
  - O-ring sealing test

PPMI 1000 system details

The PPMI 1000 adapter unit (patented worldwide) enables MAN Diesel & Turbo slide fuel valves to be tested correctly when used with an Obel-P test rig or with a 3rd party analogue or digital VPU-type product.

PPMI 1000 was released in 2011 and is an enhanced version of the IOP SafeTest Technology (patented) and data collection system introduced in 2004. The new program selector controls the operation of the unit enabling the operator to choose the desired program for the unit to test.

- In the Prefill mode, it is ensured that pressure cannot exceed 200 bar for preparation of the fuel injector.
- In the Opening Pressure mode, it is ensured that the unit will stop when an opening of the fuel injector nozzle takes place and the measured pressure is logged on the lower display.
- In the Nozzle Leakage Test mode, it is ensured that the unit will stop if an opening of the fuel injector takes place. In addition, data from the Opening Pressure Test are available during Nozzle Leakage test, making it is easy to see which value to stay below.
- In Venting / Non-return Valve Test mode, pressure build-up will be terminated before 200 bar, and then the sudden pressure drop occuring when the non-return valve inside the injector opens, will be detected and logged.
- In O-Ring Sealing Test mode, pressure build-up will be terminated automatically around 100 bar for safety reasons.

Components included

- Main PPMI control box incl. display & transducer
- 2-way electronic pneumatic valve
- Hydraulic hose w. PVC protection cover
- CEJN 116 series male & female coupling



Optional accessories

- Test chamber air purifier
- Air inlet water separator
- 1 m VPY-t-PPMI hydraulic hose
- Injector connection pieces

Technical specifications	
• Operating pressure	0-1000 bar
• Power consumption	= 22 W (= 100mA @ 220 V)
• Gauge classification	Class 0.2
• Supply voltage	Single phase/230 V AC
• Output voltage	24 V DC
• Electric connection	Shielded 3-wire cable (3 X 0,75 SY-JZ)
• Operation temperature	-10 ° C TO 50 ° C
• Dimensions (L x W x H)	190 x 190 x 150 mm (main box)
• Weight	3.5 kg

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