Fuel System Maintenance

Fuel Injector Test Rig

OBEL-P®

VPU 1600

The VPU-series is a series of pneumatically driven injector fuel systems. The units test leakage, opening pressure and spray pattern.

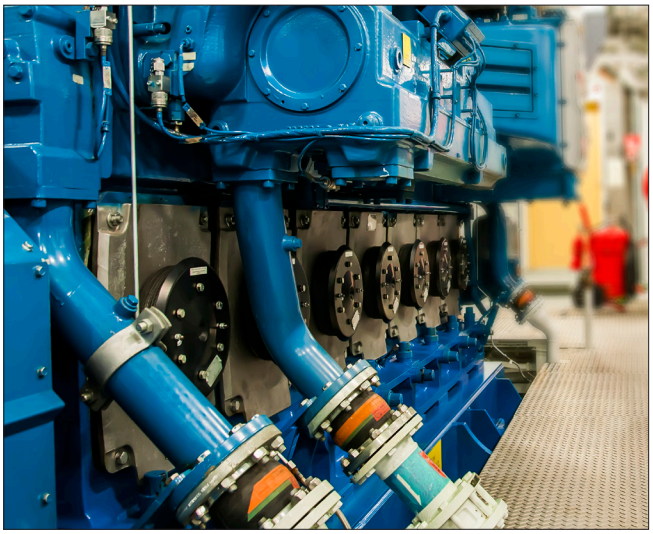
VPU 1600 for instance, enables customers to verify the performance of injectors and thereby saves them the trouble of sending well-functioning fuel valves for service, as the test can easily and rapidly be conducted by an engineer.

Since the injector fuel systems unit uses hydraulic oil under high pressure as test medium, the test also works as a cleaning process. Impurities in the fuel spray holes are often removed simply by performing a few spray tests.









Application areas

- 4-stroke engines

Key benefits

- For test of leakage, opening pressure and spray pattern in order to verify fuel injector performance
- User friendly
- Robust and compact design
- Reliable performance
- Full availability of spare parts
- Optional:
  - valve holders for 150+ different injectors
  - oil mist separator injectors
  - test fluid
  - trigger box

Sustainable engine operation

Regular testing of fuel injector valves is extremely important. Testing helps to reduce emissions, fuel consumption and engine fouling. It saves time and money and means reducing downtime while saving resources. Proper engine care prolongs engine lifetime and is a much more environmentally friendly alternative than replacing liners. It is also more cost-efficient as it means reducing downtime while saving resources



Optional: Test Fluid

Test fluid based on a mineral oil designed to meet the requirements of high tolerance fuel injectors.

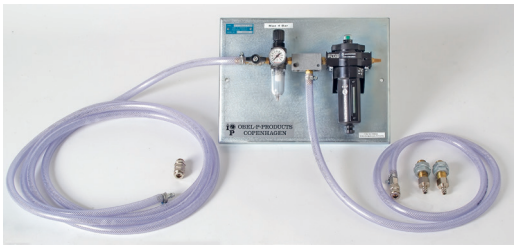
Preserves the fuel injectors, so no cleaning is needed after test procedure.

Approved for testing of both 2- and 4-stroke fuel injectors.

Protects core parts of pump unit and extends the lifetime of the test rig.

Optional: Oil Mist Separator

Oil mist separator, for environmental purposes. And better visual inspection of nozzle spray.



Technical specifications	
VPU 1600	
• Suitable for engines	Bergen Engines Caterpillar Deutz MaK Wärtsilä & MAN gensets
• Can be powered by hand	No
• Pressure (bar) output@input	900@5
• Air consumption (l/min) *depending on output pressure*	1000
• Flow (l/min)	0.55
• Hydraulic gauge	Class 1.0
• Pneumatic inlet	1/4" Ø8
• Hydraulic outlet	1/4" BSP female
• Weight (kg)	16
• Dimensions (L x W x H)	480x290x410
• Max noise level	85 dB(A)

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