OBEL-P

VPU 500F

For testing of fast fuel injectors for Wärtsilä RT flex engines.

**Product features**

- Pneumatic/hydraulic test rig with an oil flow up to 7.5 l/min.
- Scalable pump technology developed for correct testing of Wärtsilä RT Flex/W-X FAST fuel injectors
- Gauges for air and oil pressure
- Hydraulic disassembly/reassembly tool support
- Optional safety valve test adapters
- Test of auxiliary engine fuel injectors with optional adapters
Technical specifications

- **Hydraulic output pressure**
  - 0-600 bar @ 8 bar air
  - 0-500 bar @ 7 bar air

- **Hydraulic flow**
  - >7.5 l/cycle @ 7 bar input, 0 bar output pressure
  - >5 l/cycle @ 7 bar air input, 420 bar output pressure

- **Drive medium**
  - Air

- **Drive pressure at VPU inlet**
  - Minimum 7 bar
  - Maximum 10 bar

- **Drive medium volume flow at at 1 bar**
  - 3,300 l/min
  - Connect with min 3/4” hose to 7 bar air system

- **Number of pumps**
  - 6 x IOP A600-2 pump units

- **Maximum cycle frequency**
  - 520 cycles/min @ 7 bar air input and no output pressure

- **Actual discharge per pump per cycle**
  - 6 cm³

- **Tank capacity**
  - 20 l

- **Gauges**
  - Class 1.0

- **Weight**
  - 140 kg empty (excluding injector valve holder)

- **Dimensions (WxDxH)**
  - 1000 x 850 x 1460 mm

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Optional accessories

**Test fluid**
Mineral based test fluid designed to meet the requirements of high tolerance fuel injectors. Approved for testing of both 2- and 4-stroke fuel injectors.

**Oil Mist Separator**
For improving the working environment as well as the visual inspection of the fuel injector spray. Oil mist is extracted from the plastic container and condensed in the filter.

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