

Fuel system maintenance

Fuel Injector Test Rig

OBEL-P

VPUD

Fuel valve test unit with digital read-out for test of fuel injectors for 2-stroke and 4-stroke engines.



Product features

- VPUD1100 SV for testing slide valve fuel injectors
A slide-valve protection system is included
- VPUD 1100 for testing of traditional valves
- Available in version MKI and MKII depending on engine type
- Step-by-step test procedure to guide the operator

Optional:

- Valve holders for 150+ different injectors



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-stroke 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

	VPUD 1100	VPUD 1000	VPUD 1100 SV
• For MAN slide valves	NO, valve can be damaged	YES	YES
• If PPMI 1000 is used, can then be used for MAN slide valves	YES	N/A	N/A
• Suitable for engines	Wärtsilä RND, RTA 48-96 MAN 4-stroke	MAN 2-stroke injectors incl. slide fuel valves excl. gas injectors	Conventional 4-stroke and 2-stroke injectors incl. MAN slide fuel valves
• Test procedure	– Injector prefill – Opening pressure test – Nozzle leakage test – Manual operation (for test of 4-stroke engines)	– Injector prefill – Opening pressure test – Nozzle leakage test – O-ring sealing test – Venting / Non-return valve test	– Injector prefill – Opening pressure test – Nozzle leakage test – Venting / Non-return valve test – O-ring sealing test – Manual operation (for test of 4-stroke engines)
• Pressure (bar) Output@Input	0-1100@10, 0-800@7	0-1100@10, 0-800@7	0-1100@10, 0-800@7
• Air consumption (l/min) <i>Depending on output pressure</i>	2500-4000	2500-4000	2500-4000
• Hydraulic gauge	Class 1.0	Class 1.0	Class 1.0
• Display	Class 0.2	Class 0.2	Class 0.2
• Pneumatic inlet	1/2" BSP claw clutch female	1/2" BSP claw clutch female	1/2" BSP claw clutch female
• Hydraulic Outlet	1/4" BSP male coupling	1/4" BSP male coupling	1/4" BSP male coupling
• Weight (kg)	90	90	90
• Dimension (LxWxH mm)	560 x 950 x 1525	560 x 950 x 1525	560 x 950 x 1525
• Electric Power supply	1-phase 115/230 V AC	1-phase 115/230 V AC	1-phase 115/230 V AC