Fuel system maintenance

# Multi-Purpose Trigger Box

OBEL-P

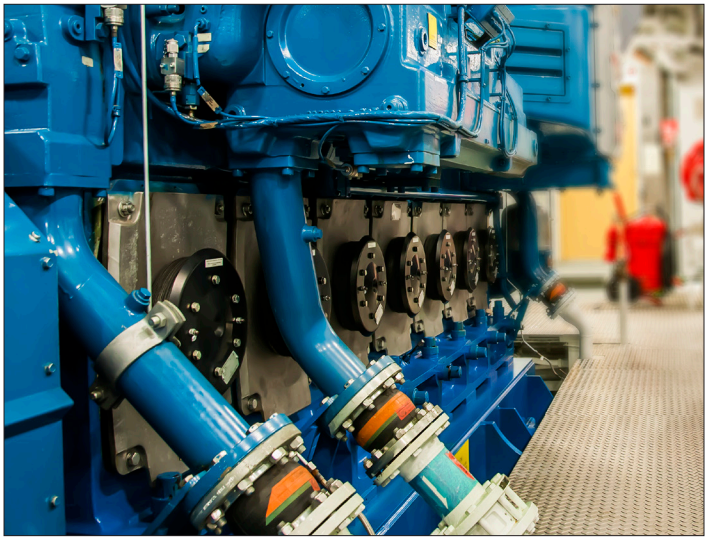
# MPT

Electronic fuel injector test rig accessory that enables testing and activation of electronic fuel injectors/pilot valves in larger 2-stroke and 4-stroke engines.







**Application areas**

- 2-stroke engines
- 4-stroke engines

**Key benefits**

- Solenoid valve resistance test
- Allows inspection of injector spray pattern through single or repetitive pulling of solenoid
- Compatible with electronic pilot & injection valves from Wärtsilä, Caterpillar and others
- Pre-set any hydraulic test pressure with traditional test rig
- Set output voltage, pull/hold current and pull/hold time to reproduce actual electric injection pulse

## Sustainable engine operation

MPT enables testing and activation of electronic fuel injectors/pilot valves in larger 2-stroke and 4-stroke engines. Regular testing of fuel pumps is extremely important. It saves time and money and reduces engine downtime while saving resources. Proper engine care prolongs engine lifetime and is much more environmentally friendly than replacing engine parts. It is also more cost-efficient.

## Related products



### VPA

Fuel injector test rig for workshop use.
For test of fuel injectors for all 2-stroke and 4-stroke engines, including fuel injectors with slide valves. Complete with touch panel and built-in printer.



### IGT

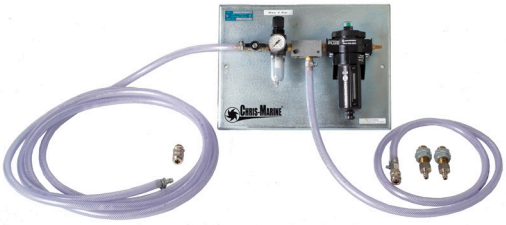
Fuel injector grinding tool for reconditioning of fuel injector pipe sealing surface on medium speed diesel engines.

## Optional accessories




### Test fluid

Mineral based test fluid designed to meet the requirements of high tolerance fuel injectors.



### Oil mist purifier

For improving the working environment as well as the visual inspection of the fuel injector spray.

| Technical specifications | |
|---|---|
| • Power supply | 1x95VAC - 265VAC (40-70 Hz) |
| • Power consumption | 240 VA |
| • Output voltage | 24, 40, 50, 60, 70, 80, 90, 100, 110, 120 and 130 V (all DC) |
| • Pull/hold current range | 4-25A/2A-20A. Adjustable by potentiometers |
| • Pull/hold time | Pull: 0.5 - 4 ms - in 0.25 ms steps<br>Hold: 2 - 12 ms - in 1.0 ms steps, 15 ms, 18 ms, 20 ms, 25 ms and 30 ms |
| • Pulse repetition rate | 1 pulse per sec |
| • Solenoied resistance | Resistance measure 19.99 Ω |
| • Operating conditions | 10-50° Celsius, humidity max. 80% |
| • Weight | 13.5 kg |
| • Dimension (WxDxH) | 342 x 260 x 233 mm (excl. cable connectors) |



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