

Perfection in fluids.

The right *flow*
by German engineering.



PCB8000 - Pressure Cycle Test Bench for large items

Data Sheet EPE-156101



Made in
GERMANY



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Pulsation testing with vakuu and high pressure

Pressure range: -0,8 bar up to 8 bar

Pressure profile trapezoidal cross section

Manually operated pressure adjustment - automatically testing procedure

Description

The test bench is used to perform pulsation tests on hollow parts which are tested for their dynamic load capacity by means of overpressure or underpressure. The test is carried out with air. The control of the pressure pulsation is monitored by the system controller. The operating pressure and the gradients are adjusted manually. The test bench is controlled by a PC with LabVIEW-Software. Measured values and operating mode is visualized at the monitor. All testing data is shared and is available at interface. Two pressure accumulators are used to ensure the pressure level in the components and the pressure gradient.

Options

- ✓ Test with climate control

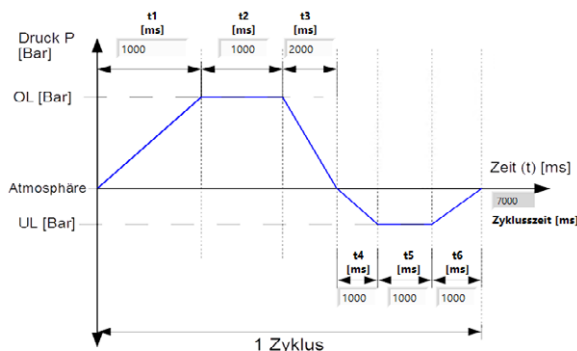
Benefits

- ✓ Low cost solutions
- ✓ Pressure cycle tests in the range -800 ... 8000 mbar
- ✓ Testing of several test items at the same time (test volume up to 6l max.)
- ✓ Manual test equipment with automatic control
- ✓ Continuous / stress test
- ✓ Best price performance ratio

Technical Data

Test pressure	-800...8000 mbar
Gradient	0.25...10 sec.
Holding pressure time	0.1..99 sec.
Dimensions	
Test bench (L x W x H)	800 x 800 x <1950 mm
Weight	250 kg

This is only an example interpretation and can change according to your needs.



Special solutions Application examples:

Automotive

Fluid- and Valvetechnology

Aviation

Filterertechnology

Application examples:

- Charge air coolers
- Engine intake components
- Heat exchangers
- Pressurized casing
- Reservoir for oil and water
- Valves
- Filter casing



For special requirements we are happy to advise you. Subject to change. / EPE-156101 / Last update: 02/2018 / V01
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+49 (0) 79 32 . 6 06 66 - 0 / +49 (0) 79 32 . 6 06 66 - 11 / info@ep-e.com / www.ep-e.com