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PTCB50 - Hydraulic test bench for oil modules

Pulsation tests: pressure & temperature changes

Data sheet EPE-169306





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Pulsation tests: pressure & temperature changes



Made in GERMANY



Similar to figure



Pulsation test bench

Pressure: 0 to 50 bar g

Temperature: -40 to 50°C

Medium: oil

Description

The test bench designed to pulsate and burst oil modules with hydraulic oil. The items e.g. injector systems of engines are tested for durability under pulsating conditions (pressure & temperature changes). Depending on the application, e.g. the test items are mounted in a climatic chamber. The hydraulic pressure is generated by a screw pump. The pulsation is initiated by switching a 2/2-way valve. The test pressure can be adjusted via a manually adjustable throttle valve as well as via a set of ball valves in the bypass. The system is controlled by a Siemens S7 PLC with the appropriate software.

Benefits

- ✓ Pulsation & burst test
- ✓ Resistance test
- ✓ Compact design, easy handling
- ✓ Pressure & temperature range adapted to customer requirements

Technical data

Pressure	0..40 bar g
Temperature	-40...50°C

Dimensions

Test bench (W x D x H)	approx. 820 x 600 x 800 mm
Weight	250 kg



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



Special solutions

Application examples:



Automotive and Automation



Fluid- and Valvetechnology



Aviation



Pharma and Medicine



Filtrertechnology

Application examples:

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



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For special requirements we are happy to advise you. Subject to change. / EPE-169306 / Last update: 02/2019 / V01
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