

Actuator Test Bench



General view

Highlights

- All settings of the bench are done automatically depending on the Part-ID of the actuator. Due to this system a changeover is not necessary.
- With the "bread box" system it is possible to load and unload the actuators with no influence on the cycle time of the bench.
- The cycle time is 30s including purging of the part.
- During the measurement the "effective area" of the actuator is calculated.

Technical Data

- Fuel: ISO Fluid or Viscor
- Pressure range: 14 bar ... 20 bar
- Flow range: 30 g/s ... 42 g/s
- Pressure supply with spindle pump (10 l/min at 30 bar)
- 40°C fuel temperature-control
- Dynamic and static measurement is possible
- Result in "Flow per Stroke" or "Effective area"

Brief Description

This stand is designed to measure the dynamic and static flow of actuators. The necessary test cycle is decided by the Part-ID of the actuator. This ID is written on a barcode that will be read by a camera. Depending on this ID the bench carries out the setup automatically. In this way, it is possible to run completely mixed parts without any changeover. The actuators are loaded in a "bread-box". With this system it is possible to exchange the actuator while the bench is measuring another actuator. Due to this, the time for changing the actuator has no influence on the cycle-time of the bench.



Fixture with rotary table

Sonplas