

Manual type Servo valve test Stand

Customer: Hindalco, Toloja

Year of Commissioning: June 2012, Till date delivered 6 test stands to Indian customers

Test stand flow capacity: 40 lpm

Pressure: 210 bar

Servocontrols is involved in to development of test stands for various hydraulic components testing to understand their characteristics and performance. Servocontrols develop & supply test stands for various category of hydraulic components those includes hydraulic pump, ON/OFF direction control valves, proportional valves, Servo valves, Servo actuators etc. Servocontrols has developed a manual version of Servo valve test stand which is very use full to the Servo valve user to understand the behavior and evaluate the key characteristics of Servo valve. The test stand is very simple to use and it is very much use full where the machine down time cost is very high.



The manual type Servo valve test stand is equipped with sophisticated hydraulic and Electronic components that helps the user to test their servo valves without any major adjustments. The user only need to connect the pressure line and return line of the test stand and carry out the test. The test stand is designed to handle 40 lpm flow and 210 bar pressure ratings, however the test stand can be built with user required flow and pressure ratings. The optional Hydraulics power pack provided with the test stands supplies required flow at set pressure. The servo valves with NG6, NG10, 72 and 760 port patterns can be tested with these test stands.

The test stand equipped with high resolution flow meter for measuring the output flow of servo valve. The four nos. of pressure gauges (optional pressure sensors with digital display) provided on the test stand measure the Servo valve Pressure line (P), Return line (T) and control port (A&B) pressures. The inbuilt servo valve command generator module installed on the test stand allows the user to test the servo valve performance at various electrical command signals. The command generator can generate both current (up to +/-100mA) and voltage (+/-10V) commands. User can carry out following using test stand.

- Command Vs flow test
- Command Vs Null leakage test
- Custom null setting
- Flushing of Servo valve

Scope of supply

- Manual type test stand
- NG6, N610, 72 and 760 size sub plates

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- Pressure sensor calibration feature (Optional)
- Hydraulic power pack with power pack control panel (optional)

