

## TESCOM

### TEST STAND HYDROSTATIC TEST STAND



The test stand allows hydrostatic durability and tightness test up to 60,000 psi (4,000 bar) of components for the aerospace industry.

**Tasks:**

- Tightness test at constant pressure, visual inspection of leakage.
- Burst test applying a slowly rising pressure slope.

#### Technical description

|                       |  |
|-----------------------|--|
| <b>Loading</b>        | manual   |
| <b>Test Part</b>      | Safety valve, shut-off valve, pressure regulator   |
| <b>Test medium</b>    | Water  |
| <b>Test pressure</b>  | Max. 60,000 psi (4000 bar), 3 pressure ranges  |
| <b>Temperature</b>    | Room temperature   |
| <b>Accuracy</b>       | ± 1 % relative to full scale of pressure range   |
| <b>Control system</b> | PC control of the test cycle, Visual Basic<br>Data acquisition by National Instruments boards  |
| <b>Features</b>       | 1 part under test. Pressure generation by a pneumatically driven pump. Electronically pressure control by an ER3000.<br>Automatically test cycle with shut off if part fails. Archiving of test results. |

compiled from our principles data