VALVE TEST BENCHES

for pressure tests:
leakage test, body test und functional tests
on valves and other objects
**PS-T 10**

- DN 10 (3/8") - DN 200 (8")
- For flanged valves and valves with threaded ends
- Easy-handling since consisting of 3 lightweight units
- Transportable, movable unit
- Test Media: Water, Air, Nitrogen
- Max. test pressure: DN 10 210 bar, DN 200 20 bar

**PS-H 10 UW**

- DN 10 (3/8") - DN 100 (4")
- For valves with weld-prep ends, threaded ends and flanged valves
- Under-Water sealing testing with air
- Stationary, horizontal
- Test Media: Water, Air, Nitrogen
- Max. test pressure: DN 10 210 bar, DN 200 20 bar

**KPS 15**

- DN 15 (1/2") - DN 250 (10")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary
- Test Media: Water, Air, Nitrogen
- Max. test pressure: DN 15 210 bar, DN 250 25 bar
**PS-H 10**

- DN 10 (3/8") - DN 100 (4")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary, horizontal
- Test Media: Air, Nitrogen
- Max. test pressure: DN 10 210 bar, DN 100 70 bar

**PS-SV 15**

- DN 15 (1/2") - DN 250 (10")
- For valves with threaded ends and flanged valves
- Stationary
- For testing of safety valves
- Test Media: Air, Nitrogen
- Max. test pressure: DN 15 210 bar, DN 250 25 bar

**BO-100/200**

- Booster to compress: Air, Nitrogen
- From 6 up to 200 bar
- Capacity 2 x 50 litres
- Pneumatic drive
**PS-30**

- DN 25 (1") - DN 400 (16")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary
- Test Media: 
  - Water
  - Air
  - Nitrogen
- Max. test pressure: 
  - DN 25 210 bar
  - DN 400 20 bar

**PS-H 250**

- DN 50 (2") - DN 600 (24")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary, horizontal testing
- With proportional control (to reduce the compression stress of the valve body during the test)
- Test Media: 
  - Water
  - Air
- Max. test pressure: 
  - DN 50 210 bar
  - DN 600 70 bar

**PS-15 KL**

- Test bench for swing check valves
- DN 15 (1/2") - DN 250 (10")
- Stationary
- SIEMENS Control
- Test Media: 
  - Water
  - Air
  - Nitrogen
- Max. test pressure: 
  - DN 15 60 bar
  - DN 250 25 bar
PS-7,5 A
- Semi-automatic test bench
- DN 15 (1/2") - DN 100 (4")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary
- SIEMENS control
- Test Media: Water, Air
- Max. test pressure: DN 15 80 bar, DN 100 60 bar

PS-15 A
- Semi-automatic test bench
- DN 15 (1/2") - DN 250 (10")
- For valves with weld-prep ends, threaded ends and flanged valves
- Stationary
- SIEMENS Control
- Test Media: Water, Air, Nitrogen
- Max. test pressure: DN 15 60 bar, DN 250 25 bar

EFCO-Documentation and Administration System

Mobile device for acquisition and documentation of test data (for in-shop application also)
- set pressure of safety valves
- firmness and tightness during body and seat leakage testing
- valve logcard to register every step of work carried out (valve life-history) for your quality documentation and securing

Can be upgraded easily to any existing test bench
Clamping Device for flanged valves

- DN 50 (2") - DN 500 (20")

O-Ring Sealing Plates

- for the sealing of flanged valves (standard accessory)
- very low wear

Special Test Bench for Socket-Pipes

- DN 100 (4") - DN 700 (28")
- Stationary
- Test medium: Water

Special Test Bench for Electric Motor Housings

- Stationary
- with proportional control (reduces the compression stress)
- Test Medium: Water
1. Valve Clamping facilities

2. Further features of EFCO Test Benches (Each test bench is custom made)
   • Test Media: water / air / nitrogen
   • Kind of tests: body test and leakage test of spindle and shaft guide
     body leakage testing under water
     sealing test
     set pressure of safety valves
   • Test objects: gate valves, globe valves, safety valves, swing check valves, ball valves, control valves
     and other hollow bodies
   • Valve ends: flanged, threaded and with weld-prep

3. Options
   • Proportional Control (to minimize the compression stress of the valve body during the tests)
     The necessary clamping force is calculated by the control unit automatically. The input values are the DN and PN of the valve tested. The clamping pressure is raised proportionally to the manually increased testing pressure.
   • Digital Gauge with pressure transducer, with peak value storage (set pressure of safety valves)
   • Digital Leak Counter for automatical counting of bubbles (bubbles per minute) during seat leakage testing with air
   • Clamping forces 300 tons and more
   • Clamping forces up to 1000 bar
   • Adapters for fusion-welded valves
   • Adapter for threaded valves
   • Piping of the testing system in stainless steels
   • Swivable crane on Column

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EFCO is one of the world-wide leading manufacturers of transportable and stationary machines for reconditioning and repairing of valves, flanges and pipes. Our product line includes Flatlapping Machines, Test Benches, Mobile Machine Shops, Consumables and custom built machines.