

PS-M Modular Test Benches



The New Generation for Shut-Off and Safety Valves

Testing with Water and/or Air/Nitrogen



- Easy to operate
- Many sizes for a wide range of valves and test pressures
- Compact design
- Low cost
- Short delivery times



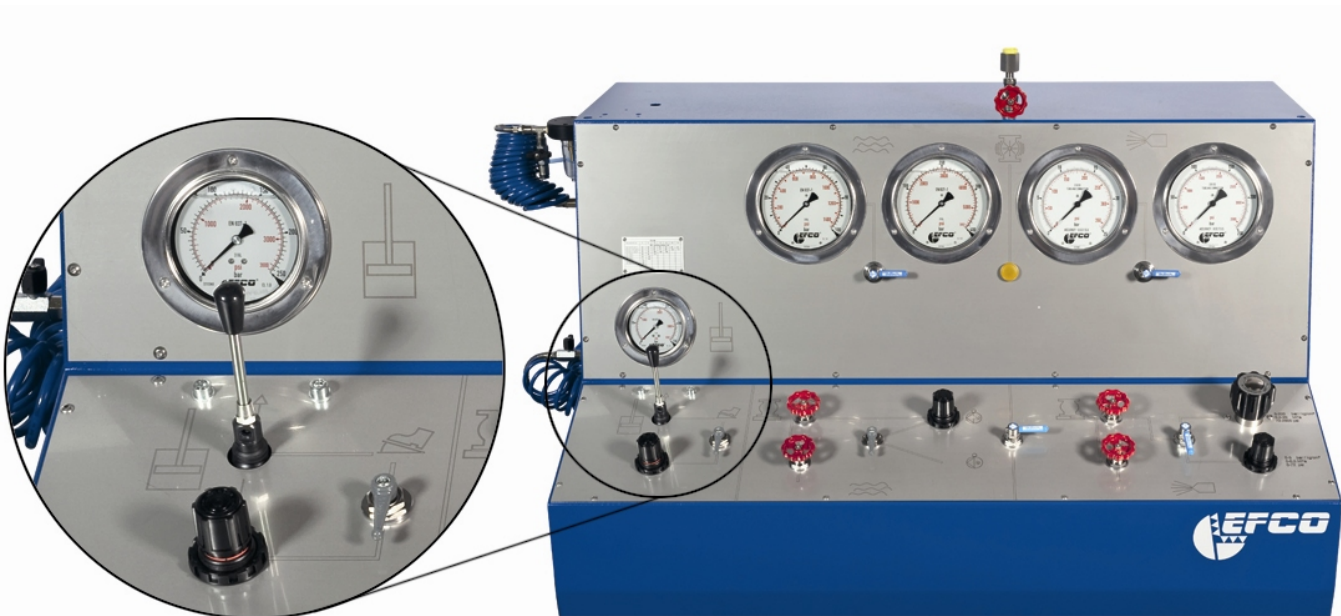
PS-M Modular Test Benches

After producing our custom-made test benches for many years we noticed similar requirements for a variety of benches. We took this information back to the drawing table, where our modular test bench series evolved.

Standardisation of components, redesigned for multiple applications, and a variety of technical modifications enabled us to produce this compact and affordable modular test bench series. It is easy to operate and offers many features and options.

- Pneumatic and hydrostatic testing
- Hydraulic clamping
- External test for larger valves outside the test bench's perimeter

Updated Control Panel



- Control panel with language-independent operator symbols
- Brushed stainless-steel front panels
- Powder coated sheet metal construction are very well protected from corrosion
- Calibrated, certified high-quality manometers in:
 - psi/bar (basic version)
 - MPa, kg/cm²
 - psi.



To test shut-off and safety valves:

To test safety valves:

PS-15M/30M/50M/75M:

PS-SV15M/30M/50M/75M:

Basic version: Air: max. 87 psi
 Water: max. 5075 psi
 Optional: Air / Nitrogen – max. 2900 psi
 or max. 4350 psi

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	PS 15M	PS-SV 15M	PS 30M	PS-SV 30M	PS 50M	PS-SV 50M	PS 75M	PS-SV 75M
DN range	15 – 250 (1/2") - (10")		25 – 400 (1") - (16")		25 – 400 (1") - (16")		25 – 400 (1") - (16")	
Clamping force	15t		30t		50t		75t	
Max. test pressure for:	Max. test pressure in psi (1 psi = 0.068947573 bar ≈ 0.6895 bar)							
DN15 (1/2")	4350 5075	4350	/	/	/	/	/	/
DN25 (1")	4350 5075	4350	4350 5075	4350	4350 5075	4350	4350 5075	4350
DN50 (2")	4350 5075	4350	4350 5075	4350	4350 5075	4350	4350 5075	4350
DN80 (3")	2973 2973	2973	4350 5075	4350	4350 5075	4350	4350 5075	4350
DN100 (4")	1668 1668	1668	3408 3408	4350	4350 5075	4350	4350 5075	4350
DN150 (6")	798 798	798	1595 1595	1595	2611 2611	2611	3989 3989	3989
DN200 (8")	435 435	435	943 943	943	1595 1595	1595	2393 2393	2393
DN250 (10")	290 290	290	653 653	653	1160 1160	1160	1740 1740	1740
DN400 (16")	/	0	218 218	218	435 435	435	653 653	653

= Air / nitrogen = Water



Options and accessories:

- Stainless steel piping and bolting for water system
- Air/Nitrogen: up to maximum 2900 psi or for larger pressures up to max. 4350 psi
- Digital bubble counter, automatically counting air bubbles during the seat leakage test with air
- Digital manometers with facility to store peak values, especially for set-pressure tests of safety valves
- Accumulator for testing safety valves with water, allows for prompt & correct set pressure readings - eliminates false set pressure readings due to water pressure build-up
- Safety plugs for testing safety valves
- Adaptors for threaded and/or butt weld end valves
- Drive controller for control valves
- For water tests in the lower pressure range: ability to adjust water test pressure
- Protective barrier

EFCO-VALVE-DOC – Data Acquisition System

Mobile workstation for the acquisition, analysis and documentation of valve tests

- Set-pressure and seat leakage tests in safety valves
- Leakage tests for housings and seats in shut-off and control valves
- Valve operation card to record all operations
- Can be retrofitted, suitable for all test benches



EFCO-ELEKTRO-BOOSTER

- Compress air to 4350 psi (300 bar)
- higher pressures on request
- Switches off automatically at max. operating pressure, and on, if the pressure falls
- Easy to operate

Subject to technical changes

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