

METRUS

Valve Test Bench Excellence



METRUS Product-Overview



Valve Test Bench Excellence

CSV – Control and Shut off Valve test benches

CSV 50/200

| | |
|---------------------|------------------------|
| Clamping: | Automatic seal head |
| Max. valve size: | DN200 / 8" |
| Max. test load: | 50 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | up to 600 bar |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing |



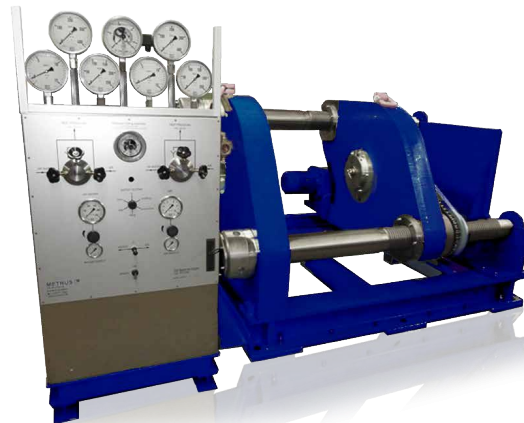
CSV 80/300

| | |
|--|--|
| Clamping: | Automatic seal head |
| Max. valve size: | DN300 / 12" |
| External clamping adapter for larger sizes | |
| Max. test load: | 80 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | up to 600 bar |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing Pneumatic sequential switch |



CSV 220/300

| | |
|---------------------|--|
| Clamping: | Automatic seal head |
| Max. valve size: | DN300 / 12" |
| Max. test load: | 220 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | up to 600 bar |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing Pneumatic sequential switch |





Valve Test Bench Excellence

CSV - Control and Shut off Valve test benches

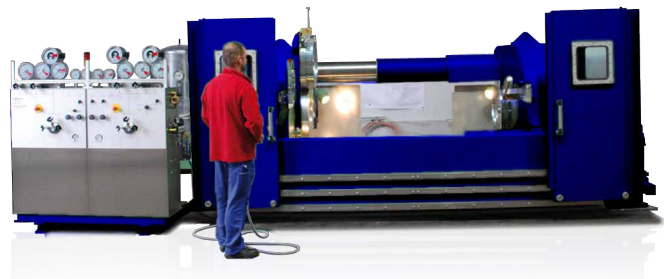
CSV 400/600

| | |
|---------------------|--|
| Clamping: | Automatic seal head |
| Max. valve size: | DN600 / 24" |
| Max. test load: | 400 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | up to 600 bar |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing Pneumatic sequential switch |



CSV 1450/500

| | |
|---------------------|--|
| Clamping: | Automatic seal head |
| Max. valve size: | DN500 / 20" |
| Max. test load: | 1450 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | 1200 bar for all sizes |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing Pneumatic sequential switch |



CSV 2000/500

| | |
|---------------------|--|
| Clamping: | Automatic seal head |
| Max. valve size: | DN500 / 20" |
| Max. test load: | 2000 tons |
| Test fluid: | Air / Gas / Water |
| Max. test pressure: | 1600 bar for all sizes |
| Testing: | Shell test / Leak test |
| Optional: | Bidirectional testing Pneumatic sequential switch |

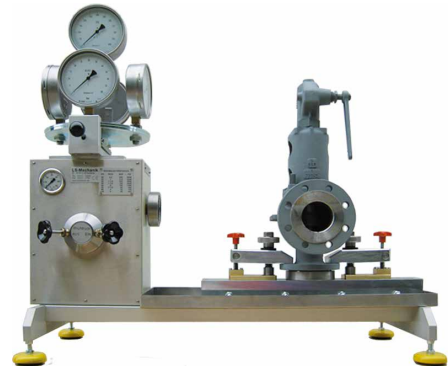


Valve Test Bench Excellence

SVM (Mobile) and SV Safety valve test benches

SVM 4/100 and SVM 4/250

Type: Mobile
Clamping: Manual
Max. valve size: DN100/4" / DN250/10"
Max. test load : 4 tons
Test fluid: Air / Gas / Water optional
Max. test pressure: up to 600 bar
Testing: Set pressure test / leak test



SVM 20/200 and SVM 20/400

Type: Mobile
Clamping: Manual fast clamping
Max. valve size: DN200/8" / DN400/16"
Max. test load : 20 tons
Test fluid: Air / Gas / Water optional
Max. test pressure: up to 600 bar
Testing: Set pressure test / leak test



SV 20/200 and SV 20/400

Type: Semi mobile
Clamping: Manual fast clamping
Max. valve size: DN200 / 8" / DN400 / 16"
Max. test load : 20 tons
Test fluid: Air / Gas / Water optional
Max. test pressure: up to 600 bar
Testing: Set pressure test / leak test





Valve Test Bench Excellence

SV Safety valve test benches and TESON

SV 50/200 and SV 50/400

Type: Stationary
Clamping: Hydraulic
Optional automatic seal head
Max. valve size: DN200 / 8" / DN400 / 16"
Max. test load: 50 tons
Test fluid: Air / Gas / Water optional
Max. test pressure: up to 600 bar
Testing: Set pressure / Leak test
Options: Safety enclosure



SV 50/400 E

Type: Stationary
Clamping: Hydraulic
Optional automatic seal head
Max. valve size: DN400 / 16"
Max. test load: 50 tons
Test fluid: Air / Gas / Water optional
Max. test pressure: up to 600 bar
Testing: Set pressure / Leak test
Shell test
Options: Safety enclosure



TESON II

Type: Mobile, online
Testing: Set pressure

The TESON method identifies the safety valves set points on line and in situ based on a force-lift-diagram. A TESON test is a full valid alternative to a test bench test.



Valve Test Bench Excellence

BV - Butterfly Valve test benches

BV 36/500 and BV 80/500

Clamping: Hydraulic
Max. valve size: DN500 / 20”
Max. test load: 36 tons / 80 tons
Test fluid: Air / Gas / Water
Max. test pressure: up to 60 bar
optional higher test pressure
Testing: Shell test / Leak test



BV 150/800

Clamping: Hydraulic
Max. valve size: DN800 / 32”
Max. test load: 150 tons
Test fluid: Air / Gas / Water
Max. test pressure: 40 bar for all sizes
optional higher test pressure
Testing: Shell test / Leak test
Pneumatic sequential switch





Valve Test Bench Excellence

UTB - Universal Test Bench and CRS

UTB 200/500

| | |
|---------------------|--|
| Clamping: | Automatic seal heads Optional hydraulic |
| Max. valve size: | DN500 / 20" |
| Max. test load: | 200 tons axial 50 tons 3-claw on table |
| Test fluid: | Air / Gas Water optional |
| Max. test pressure: | up to 600 bar |
| Testing: | Shell test / Leak test |



MPU Mobile pressure generator

| | |
|---------------------|--------------------------------------|
| Max. test pressure: | up to 600 bar |
| Test fluid: | Water |
| Option: | Safety pressure limitation system |



METRUS CRS Software Solution

Computer Registration System
Software solution with integrated
database and reporting.
METRUS CRS is designed to be used with all test
benches manufactured by METRUS and even third
party solutions.





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