

Vertical test benches

Series VTS

- vertical test benches
- valve range under testing from 1/2" to 120"
- maximum reaction force up to 3000 tons
- test according to API, ANSI, DIN, BS, ISO, EN
- hydraulic pressure test up to 4000 bars
- gas pressure test up to 2100 bars
- cavity line
- analogical or electronic leakage measuring systems
- actuator torque measurement up to 150.000 Nm
- mobile support to load the valve
- ATEX conformity (optional)

In the test bench with a face-to-face clamping system made by hydraulic cylinder, the pushing force is regulated in a proportional way to prevent any compression or damaging of the valve body.



VTS 1



VTS 2



VTS 3



VTS 4

Vertical test benches

Type of the test bench	Valve size and ANSI class		Max reaction force (in tons)	Inner distance between column structure (in mm)	Distance between center flanges w/o adapters (in mm)		Low pressure pneumatic test	High pressure liquid test
	Min	Max			Min	Max		
VTS-30	1/2" 2500	6" 300	30 tons	620 mm	100	660	0-7 bar at plant line	0-700 bar (**)
VTS-100	1/2" 2500	8" 600	100 tons	850 mm	200	940	0-7 bar at plant line	0-700 bar (**)
VTS-200	1/2" 2500	10" 900	200 tons	950 mm	300	1200	0-7 bar at plant line	0-700 bar (**)
VTS-300	2" 2500	12" 900	300 tons	1050 mm	300	1300	0-7 bar at plant line	0-700 bar (**)
VTS-600 (2P)***	6" 2500	48" 150	600 tons	1900 mm	230	880	0-7 bar at plant line	0-700 bar (**)
VTS-1400	30" 900	120" PN15	1400 tons	3850 mm	200	1340	0-7 bar at plant line	0-700 bar (**)
VTS-1500 (2P)***	16" 2500	54" 300	1500 tons	2120 mm	200	1055	0-7 bar at plant line	0-700 bar (**)
VTS-3000	20" 2500	36" 1500	3000 tons	1670 mm	400	1000	0-7 bar at plant line	0-700 bar (**)

*) Gas test systems up to 2100 bar available on request

**) Liquid (water) test systems up to 4000 bar available on request

***) 2P = two sides loading / bridge moving for one testing side

