

SVTB

Safety Valves Test Bench

The test bench is for testing and documentation according to API 527 / API 598 / DIN 3230-3; both sided vertical testing of valves with RF and BW termination; one set of adapters included, other sizes supplied on request
 Made in Italy



General

This test unit is designed for easy and effective but safe use. Therefore all installed components are tested and calibrated according to the international standards/codes. The bench is factory tested

Features

- For absolute safety of the operator, strong safety protections in steel/polycarbonate are mounted
- this test unit requires minimum maintenance. To maintain a reliable 19" aluminium mimic panel 5mm thickness, engraved and anodized and effective working, the test unit only requires to be kept clean
- periodical maintenance: every two months: check and test o-rings in the sealing plates. Yearly: calibrate pressure gauges
- the tests can be performed by using air or nitrogen
- leak test with analog bubbler (bubbles/min). Electronic test on request (optional)

Technical data

- **Press:** vertical, tracking, functioning through a plateau with n.3 manual closing clamps
- **tables:** the tables use standard o-rings, that are held in place with accurately dimensioned caves
- **air/nitrogen generation:** n.2 cylinders of 50 l each - 0-300 bar - of your supply
- **pipng, hoses & fittings:** high performance high-pressure tubes are used for all fluid paths
- **control & operation:** manual pressure regulator
- **standard delivery:** the test unit is standard (ready for use), supplied with the installation operation and maintenance manual

Models

model	max pressure / bar	min. valve size /in	max. flang size /in
SVTB 110	300	1/4	8

other modes on request

Other technical data

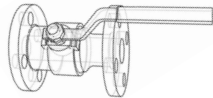
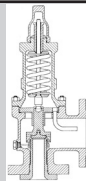
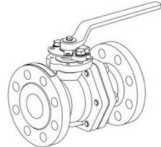
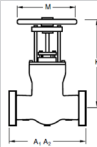
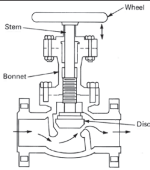
sizes / valve type	1/4" ÷ 1 1/2" threaded ends – 1/2" ÷ 8" flanged; shut-off – safety – ball – gate – globe – control valves
min. - max. working pressure / reaction force	0 ÷ 240 bar with air / nitrogen by cylinders of your supply/ 1 ÷ 10 tons
min. - max. diameter	25 ÷ 350 mm
dimensions / weight	~ 905×1190×1810 h mm. / 250 kg
clamping unit	manual with handwheels
tightness typologies	flange and threaded (see table)
operator panel	with manual closing needle valves
standard tests	API 527 – API 598 – DIN 3230-3
electrical	230Vac 50Hz 500 W
pneumatic	G 1/2" use dry air/nitrogen
working temperature	-10°C ÷ +55°C
standard colors	white RAL 9003 / blue RAL 5014 for fixed parts

Rating table

FLANGE TIGHTNESS RF		ANSI 150				ANSI 300				ANSI 400				ANSI 600				ANSI 900			
PN Max. tests	bar P.S.I.	3,75 54	6 87	9 131	15 218	24 348	30 435	37,5 544	60 871	75 1089	96 1393	102 1480	150 2177	200 2903	225 3266	250 3628					
Valve DN																					
1/2"																					
12 mm.																					
1/2"																					
19 mm.																					
1"																					
25 mm.																					
1 1/2"																					
38 mm.																					
2"																					
50 mm.																					
2 1/2"																					
65 mm.																					
3"																					
80 mm.																					
3 1/2"																					
90 mm.																					
4"																					
100 mm.																					
5"																					
150 mm.																					
6"																					
200 mm.																					

In the tests to the tonnages underlined in red pay attention to the possible excessive compression of the valve in test.

Valve types

shut-off valves	
safety valves	
ball valves	
gate valves	
globe valves	
control valves	