

Valves
Test
Benches

IN TEST WE TRUST

INSTRUMENTS
FOR TEST & CONTROL

LAB

think'PC PROGETTI



Made in Italy

40' CT LAB



Workshop unit build into 40 feet container.


Mobile valve repairing workshop, equipped with a complete tools set to repair & test valve onsite.

The unit makes available all supply lines (electrical & pneumatic) for a complete mechanical workshop with testing units included.

Generators are installed in separate container area, accessible from outside through roller shutter doors, and mounted on sliding brackets for easy access and maintenance. It has 160x160 H-Beam structure, about 1 Ton capacity over head crane with sliding beam running on container full length. A Swing out crane installed on entrance door ensure best access ability to the equipment.

Here following the available equipment inside the workshops:

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- Electrical Power Generator : Diesel Engine generator, Silent type
380/220V 50Hz, 33KW
3PH & 2PH power sockets (4x)
- Compressed air Generator : Electrical compressor
Air Flow : 1400NL
Max output pressure : 10 bar
Power Supply : 400V-50Hz, 11 KW
Air Reservoir : 300L Vertical design.
Refrigeration air dryer included
- Air conditioning equipment : 100m³/h with with HyperFilter system
- Mechanical equipment installed : Compact floor drill
Universal Centre lathe machine
Bench Grinder with Stand
Electrical Hoist (1 TON)
Adjustable torque wrenches.
Impact drill machine Electric driven
Straight grinder
Mechanical Bench vice 8"
Complete tools set for industrial maintenance.
Universal workbenches
Swing doors cabinets
- Lifting Equipments : Over Head travelling crane 1 Ton capacity
Swing Crane with 2m swing out arm 1 Ton capacity.
- Non destructive test equipment : Magnetic particle inspection (MT) - Liquid Penetrants (PT)
-  Version : Available on request (zone II)



Testing Equipment installed:

Shut-Off & Control valves test rig.

100TON reaction force, **Combined clamping**, horizontal test bench equipped with both bore plugs & proportional press clamping style.
model **BO-2CV/100 LAB & SKM-100**.



Reaction force	:	100 TON (See working limits table)
Working pressures	:	700 bar Hydro test & 200 bar GAS test.
Valve length max	:	1300 mm
Valve length min	:	0 mm
Column inner distance	:	900
Loading height	:	1140 mm from soil
Basement water vessel	:	170 Litres
Water tank	:	250 Litres vertical tank
Terminations allowed	:	BW, SW, RF, RJ
Clamping style	:	Type 3 – Combined Inner radial clamping & Pressing clamping with Proportional control.
Reference standard	:	ISO, DIN, API, ANSI, ASTM, FCI, BS (Other on request).
Electric supply	:	3PH + T, 380V@50Hz, 7KW

*Working limits for **PRESS CLAMPING** and **INNER RADIAL SEAL** ANSI VALVES, SHELL TEST

DN	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"
ANSI-150 TON										
ANSI-300 TON										
ANSI-600 TON										
ANSI-900 TON										
ANSI-1500 TON										
ANSI-2500 TON										

*Note: Indicated values has been calculated for shell test and with API-6D nominal minimum bore size and they have to be considered as reference only. Press clamping style limits are based on bore size increased by 50 mm. For more accurate information please contact our technical office or consult instruction book delivered along the rig.

Pressure safety valve test rig.

4 claws clamping, **60TON** vertical test rig & pressurization skid.
Model **BV-M/60 LAB & SKMM-100**.



Reaction force	:	60 TON (See working limits table)
Working pressures	:	450 bar Hydro test & GAS test
Ø flange max	:	530 / 650 / 860mm
Ø flange min	:	90mm
Flange thickness max	:	90mm
Tilt angle	:	FIXED (no tiltable)
Basement water tank	:	200l
Terminations allowed	:	RF, RJ
Clamp type	:	Hydraulic cylinder w/claws Clamping force
control	:	On/Off type
Range	:	6..60 TON
Reference standard	:	ISO, API, ASME, ASTM
Pneumatic supply	:	6.5 bar @ 1100 NI/min Dry air not lubricated
Electrical supply	:	3PH + T380V@50Hz, 2KW

DN	1"	2"	3"	4"	6"	8"	10"	12"	14"	16"
bar	450	450	450	340	191	122	85	62	43	35

High Pressure air compressor up to 300 bar with 150 L reservoir tank
Surge tank 200 L for blow down supply

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Think' PC PROGETTI s.r.l.
Head quarter
Via dell'Artigianato, 3
22069 ROVELLASCA (CO) – ITALIA
Tel. +39.02 96749415
Fax +39 02 36726776
SKYPE: think.pc.progetti
info@pcprogetti.it
www.pcprogetti.it

