

PH DB/FBT

Valve Testers Upto 12" NB

Ansi Class 3100 - 600



PH DB/FBT Valve Testers upto 12" NB, For Ansi Class 3100-600

The demands of Health, Safety and Quality and increased regulation have placed stringent controls on the supply to and maintenance of operational process plant, PH Ltd offers a compact and versatile pressure testing and seat leakage testing solution. An efficient time saving solution when compared to with "bolt on flange" testing.

Double - End Enclosure Rigs with 90° Rotation facility as a standard, the 'DB' Style of Test Rigs are recommended as a first option for regular Control Valve application testing, but are equally suitable for most in-line Valves. They are also ideal for all forms of Flangeless Valves when combined with recommended accessories (see additional literature).

Features;

- Tests Flanged Valves From 0.5" NB** through to and including 12" NB (with adaptors**).
- Test Pressure – see tables.
- Rotates through 90deg to assist with "airless" valve cavity fill and for ease of valve loading, rotates in both directions. Twin Martonair Pneumatics – Cylinder with speed control and 5/2 Changeover Valve. Hydraulic clamping flange optional.
- Can be used as an assembly jig, use for ground up assembly and test in one operation.
- Adjustable capstan for multiple face to face dimensions, will suit most "Globe" style and "Control" valve bodies.
- Recessed 'O' Ring provision in the bulkhead and swivelling head for testing without the need for gasketing.
- Short Body Adaption Spool and Test Flange for further reduction in Face to face for testing "Wafer" and "Flangeless" style valves.
- Can be floor fixed or be free standing.
- NPT input (test medium) and output (vent) connections, Vent valve supplied (10,000psi/690Bar).
- Surface treated wetted parts (zinc plated or chemical blackening).
- Painted in a RAL of customers choice.
- Can be easily incorporated into a scheme of multiple testers and pump sets.

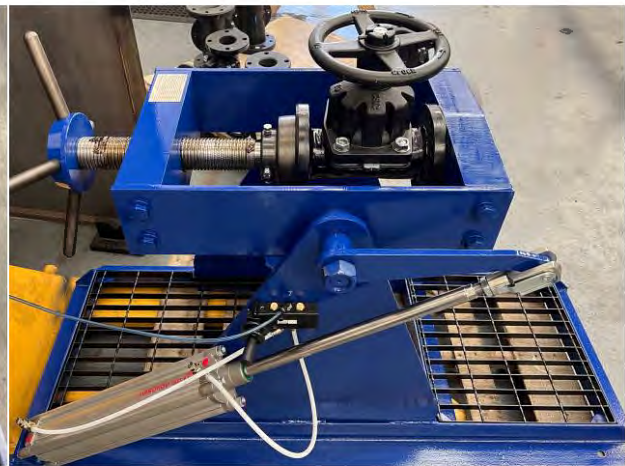
Note: Cold water testing is the safest medium for testing and should always be the preferred method, it is assumed that PH testers are only used for hydraulic testing unless stated otherwise.

Warning: Gas testing is dangerous and potentially hazardous and PH valve testers should not be used for anything other than compressed gas leak detection at no more than 100psig/7BarG.

The reference to Valve Class is applicable to Ansi B.16.5 current edition, in material group 1.7.

PH Double Bulkhead Valve Tester upto 12" NB, For Ansi Class 3100-600

4"NB DB Valve Tester (can be optioned out to 5"NB)



PH Double Bulkhead Valve Tester upto 12" NB, For Ansi Class 3100-600

8"NB DB Valve Tester



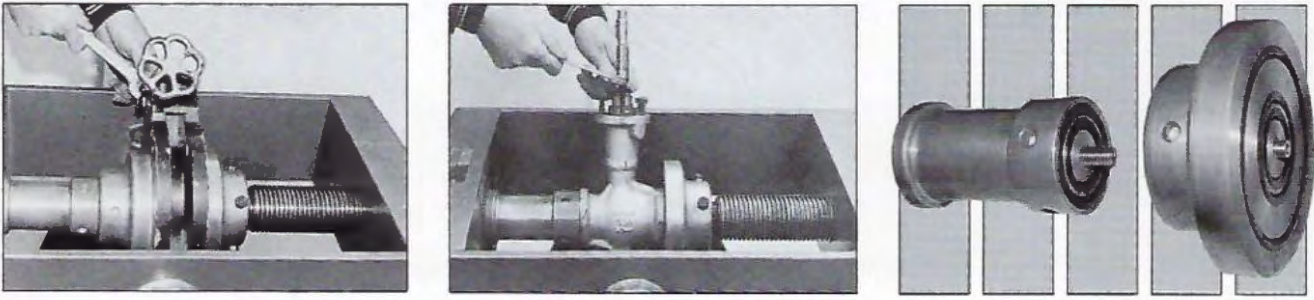
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12"NB DB Valve Tester



Accessories

4" DB Short Body Adaptors;



Short Body Adaptors; Interchangeable adaptors to suit almost all combinations of non standard valve type's including butterfly, weld and screwed ends.

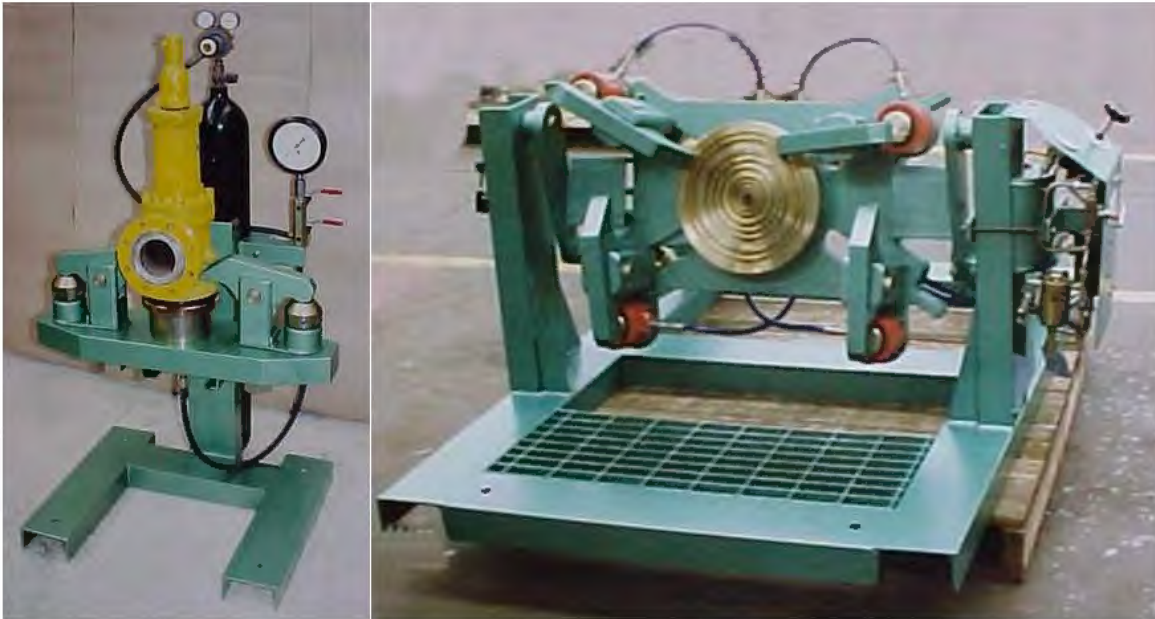
Also;

Adaptor Plates for Screwed Body Valves 4" DB

Fabricated Short Body Adaption for the 8" and 12" DB

Special adaption plates to aid with the testing of all types of flange ends and wafer style valves.

PH Flat Bed Testers upto 8" NB



Accessories;



SEAT LEAKAGE BUBBLE TEST PACK FOR SRV'S USING PLASTIC BLIND FLANGE.



SCREWED ADAPTOR PACK

Tester Size and Ratings Tables

Rig Size & Rating	Valve Size Range	Nominal Valve Size & Maximum HYDROSTATIC Pressures - PSIG										
		1"	1 ½"	2"	2 ½"	3"	4"	6"	8"	10"	12"	14"
6 / 150	Up to 6"	5625 ———>		3375	2250	2250	1125	450	~	~	~	~
8 / 150	Up to 8"	5625 ———>		3375	2250	2250	1125	700	450	~	~	~
4 / 600	Up to 4"	9375 ———>		5625	3375	3375	2250	~	~	~	~	~
6 / 300	Up to 6"	9375 ———>		5625	3375	3375	2250	1125	~	~	~	~
6 / 600	Up to 6"	9375 —————>		5625	5625	3375	2250	~	~	~	~	~
8 / 300	Up to 8"	9375 —————>		2562	5625	3375	2250	1125	~	~	~	~
8 / 600	Up to 8"	9375 —————>				5625	3375	2250	~	~	~	~
10 / 300	Up to 10"	9375 —————>				5625	3375	2250	1125	~	~	~
12 / 150	Up to 12"	9375 —————>				5625	3375	2250	1125	450	~	~
14 / 150	Up to 14"	9375 —————>				5625	3375	2250	1125	450	450	~
12 / 300	Up to 12"	9375 —————>				7500	3375	2250	1500	1125	~	~
12 / 600	Up to 12"	9375 —————>					5625	3375	2250	2250	~	~

ANSI CLASS	HYDROSTATIC Test Pressure		
	Psig	Bar	Kg / cm ²
150	450	30	32
300	1125	78	80
600	2250	156	158
900	3375	233	238
1500	5625	388	396
2500	9375	647	660

PH – PHC Test Consoles

Totally enclosed steel consoles to accommodate any combination of test media sub-systems, i.e. hydraulic, air/gas, vacuum, etc. Consoles combine a high level of equipment and operator security with operational convenience. This unit is usually a most economical arrangement for multiple sub-systems on permanent installations.



Flowmeter panel combines the necessary vortex tube flow metering to check valve seat leakage in accordance with permissible limits in accordance with national and international standards.



Optional features for pressure indication and self producing certification:

GS4200-USB-1000AB USB connectable pressure transducer 0-1,000 bar range, supplied connected to the pump high pressure system c/w software ready to be installed on a PC.

The unit will be supplied pressure tested and certified and includes a pressure test certificate, pressure gauge & pressure transducer calibration certificates.

Test Certificate

Test Object Identification

Customer:

Test Object:

Part No:

Serial No:

Test Medium: WATER

Certification Information

Used Cal. Device: GS4200-USB

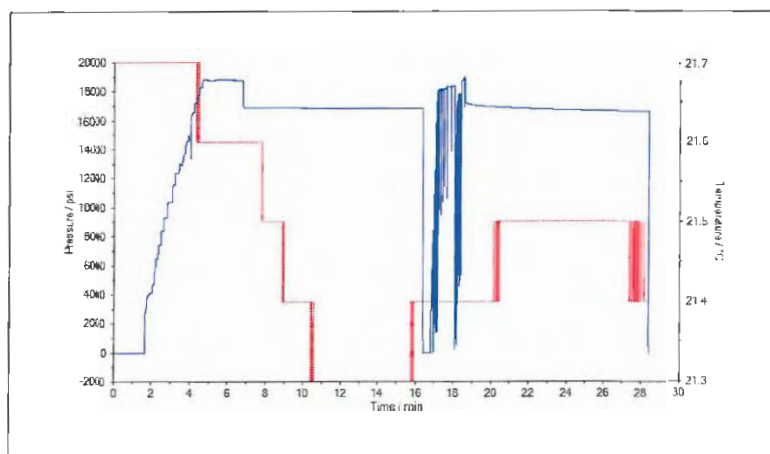
Cal of GS4200-USB: 13/09/2016 12:00:00

Serial No: 0340916

Test Date: 02/11/2016 11:39:43

Manufacturer: ESI Technology Ltd

Test Engineer: TOM GOLDSTRAW



Temperature serves as indication only

Test Engineer: _____ Signature: _____

Project Engineer: _____ Signature: _____

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