



**WARREN-MORRISON
VALVES LTD.**

HYDROSTATIC TEST PROCEDURES

HAND OPERATED UNLINED OR LINED DIAPHRAGM VALVES – ALL SIZES

TEST MEDIA – CLEAN MAINS WATER AT AMBIENT TEMPERATURE

SEAT TEST

Fully assembled valve will be clamped on Test Rig and filled with Test Media. Close valve and apply test pressure at 1.1 times the maximum valve rating. Check for leakage.

NOTE

Minimum test duration to be as specified in BS6755 part 1 table 4. The leakage rate is to BS6755 part 1 table 1 rate A, i.e. zero leakage..

BODY SHELL TEST

With valve still on test rig, open valve and completely fill with Test Media. Clamp test plate on valve flange and open vent tap, gently apply test pressure until test media escapes from the vent tap. Close vent tap and apply test pressure at 1.5 times the valve rating throughout the applied duration. Check body and body/bonnet joint for leakage.

NOTE

Minimum Test durations are applied as specified in BS6755 part 1 table 4, unless otherwise stated.

Industrial pressure gauges to B.S. 1780 shall have full scale reading of not more than four times and not less than 1.5 times the test pressure..

Test Gauges shall be covered by a current Test Certificate., tested for calibration at a frequency that does not exceed 12 monthly intervals.

SIZE	RATING	TEST PRESSURES		TEST DURATION	
		SHELL	SEAT	SHELL	SEAT
1/2"-2" N.B.	16 BAR (232PSI)	24 BAR (350PSI)	18 BAR (261 PSI)	0.25 MIN	0.25 MIN
2 1/2"-6" N.B.	10 BAR (145PSI)	15 BAR (220PSI)	11 BAR (160 PSI)	1.00 MIN	1.00 MIN
8"-18" N.B.	6 BAR (87PSI)	9 BAR (230PIS)	7 BAR(101 PSI)	2.00 MIN	2.00 MIN