

PE100 PIPE SYSTEM PRESSURE TEST (up to 315mm OD)

UPG Pipe Systems recommends pressure testing to DIN 1988/2 for plastic pipes as stated below. We recommend a sock or filter is applied to strainers or critical equipment when flushing the line to avoid damages to pumps, chillers and other items. This is to catch small swarf left in the line from installation.

As a result of the material properties of plastic pipes the pipe will expand during the pressure testing. The pressure testing is split into a preliminary test and a main test. The preliminary test is sufficient for small sections of the piping such as connecting pipes and distributing pipes in the wet rooms.

a) Preparation

1. After the pipes have been installed and before they are concealed the piping is filled with water and any air must be removed.
2. If possible the pump should be placed at the lowest point in the system
3. The pressure gauge should be capable of reading changes in pressure of 0.1 bar and should be placed at the lowest point of the section of piping being tested.

b) Preliminary testing

For the preliminary test, a test pressure corresponding to the maximum operating pressure of the system plus 50% ($\times 1.5$) or a minimum of 8 bar at the lowest part of the system is applied. The pressure will drop as the pipe settles and the system must be topped up to the test pressure, 2 times within 30 minutes, with a 10 minute interval between tests. After another 30 minutes the test pressure shall not have fallen by more than 0.6 bar, and no leakage occurred.

If leaking occurs, please replace the part and restart the preliminary testing procedure.

c) Final testing

The system is kept pressurised for a further 2 hours. The drop in pressure between the end of the preliminary testing (the beginning of the final test) and the end of the 2 hour final test must not exceed 0.2 bar.

If leaking occurs, please replace the section and restart the test at the preliminary testing stage.

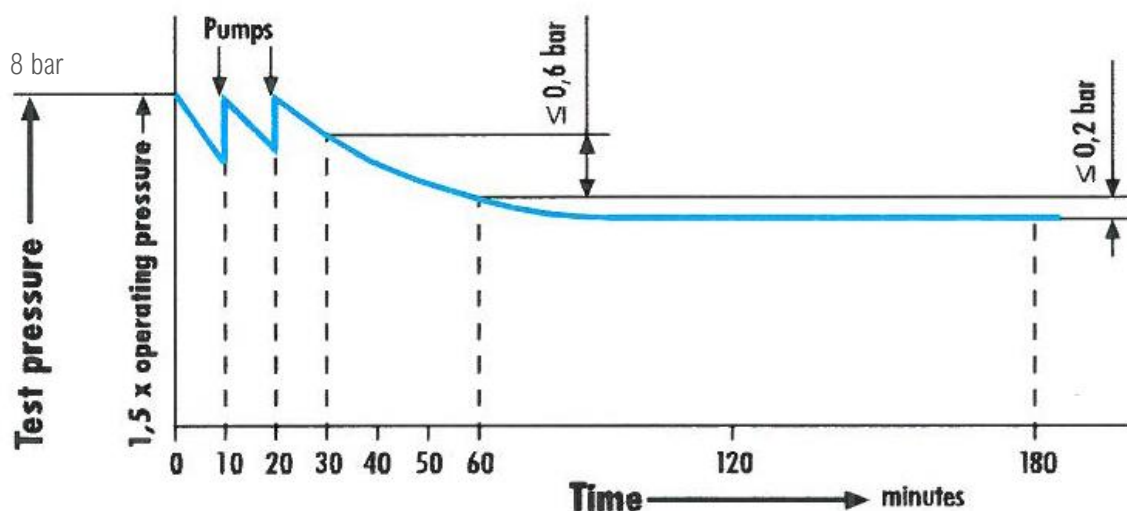
Please note:

- Fluctuations in the temperature may alter the test pressure

Testing is complete when the above has been undertaken and no leaks are present in the pipe system.

All parts of the test sheet are to be completed. Once completed please email to sales@upg.net.nz

UPG Pipe Systems must receive this test information within 3 months from date of completion for the warranty to be valid.



PE100 TEST SHEET (up to 315mm OD)

PROJECT: _____

Address: _____

Contractor: _____ Contact No. _____

Client: _____

Pipe length:	Ø 16	m	Ø 20	m	Ø 25	m	Ø 32	m
	Ø 40	m	Ø 50	m	Ø 63	m	Ø 75	m
	Ø 90	m	Ø 110	m	Ø 125	m	Ø 140	m
	Ø 160	m	Ø 180	m	Ø 200	m	Ø 225	m
	Ø 250	m	Ø 280	m	Ø 315	m		

Joining: Welding pcs.

Number of tapping points: pcs. Highest tapping point above pressure gauge: pcs. Total pipe length: m

Preliminary test:

Test pressure _____ bar

1st regulation after 10 minutes _____ bar

2nd regulation after 10 minutes _____ bar

Pressure after 30 minutes _____ bar

Pressure decrease _____ bar

Result of preliminary:

Principal test:

Test pressure _____ bar

Pressure decrease after 2 hours _____ bar
(0,2 bar max.)

Result of the principal test:

Pressure test acknowledged:

Beginning of the test o'clock End of test o'clock Test period h

Place Date Time

Signatures:

Customer

Contractor