

PP-RCT PIPING SYSTEM PRESSURE TEST

UPG Pipe Systems recommends pressure testing to DIN 1988/2 for plastic pipes as stated below.

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 removed.
2. If possible the pump should be placed at the lowest point in the system
3. The manometer 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

The test pressure is equal to the maximum operating pressure of the system plus 5 bar (minimum: 15 bar). The test pressure must be built up over a period of 30 minutes. Within the 30 minutes the pressure should be re-adjusted 2 times (each time 10 minutes apart). After a further period of 30 minutes under pressure, there should be no leaks and the drop in pressure should not exceed 0.6 bar.

c) Main testing

The main testing should be carried out immediately after the preliminary testing. The duration of the test is 2 hours. The drop in pressure between the end of the preliminary testing and the end of the 2 hour main test must not exceed 0.2 bar.

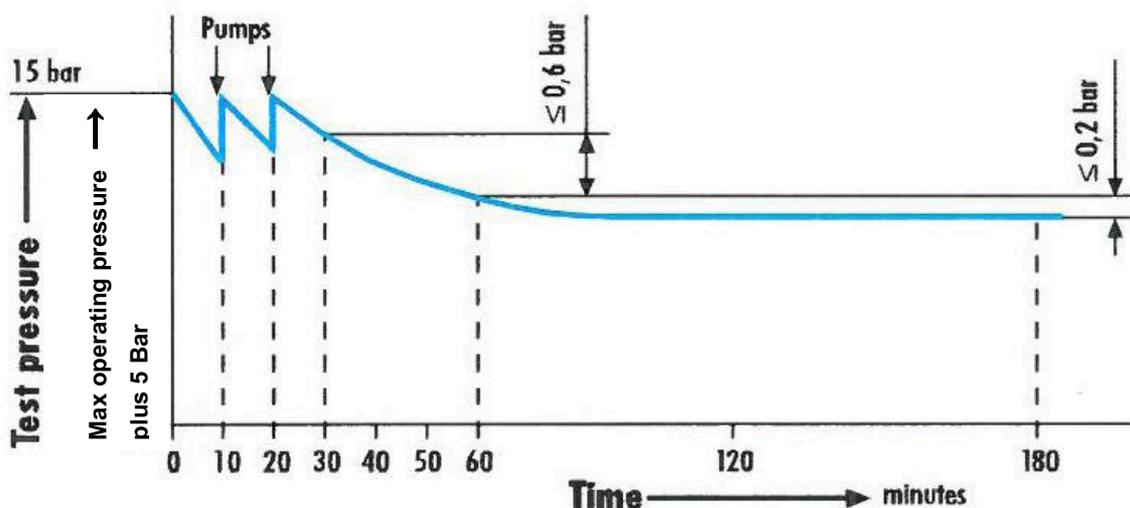
If leaking occurs, please replace the section and restart the test at the preliminary testing stage.

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 **fax form to 0800 767 190**, or scan and **email to info@upg.net.nz**

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



TEST SHEET

According to standards given in DIN 1988

PROJECT: _____

Address: _____

Contractor: _____ Contact No. _____

Client: _____

Raw material: **PP-R**

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 225 m Ø 250 m Ø 280 m
Ø 315 m

Joining: Welding pcs. Glue

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

Preliminary test:	Principal test:
Test pressure _____ bar	Test pressure _____ bar
1 st regulation after 10 minutes _____ bar	
2 nd regulation after 10 minutes _____ bar	Pressure decrease after 2 hours _____ bar (0,2 bar max.)
Pressure after 30 minutes _____ bar	
Pressure decrease _____ bar	
Result of preliminary test: _____ _____ _____	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