Unit 113: Plumbing, heating and ventilation

# Worksheet 16: Testing and inspecting pipework (learner)

Complete the tasks in this worksheet as directed by your tutor:

1. In the space below, list checks that you should carry out before filling pipework with water:
2. What are the two main methods of testing pipework systems?
3. List any sources of information and guidance relevant to the testing and charging of pipework. Try to get at least two:
4. According to BSEN 14336: 2004 Heating systems in buildings: Installation and commissioning of water-based heating systems, if the system you were about to test was expected to operate at 1.5 bar, what would the minimum test pressure and duration of the test be?

Try to show your workings out too:

1. Explain the main difference between pneumatic and hydraulic testing:
2. Identify the component in the image below:

A picture containing small, sitting, table, person

Description automatically generated

1. Pneumatic test pump
2. Pneumatic LCS bending machine
3. Hydraulic test pump
4. Hydraulic LCS bending machine