Piped oxygen systems

A piped oxygen system involves connecting clear plastic tubing (5mm diameter) from your concentrator machine to convenient points around your home.

A piped-in system allows you to receive oxygen in different rooms without having to move the concentrator machine, have cylinders placed around your home or have loose tubing trailing around the house which can present a trip hazard.

- The homecare service engineer will do a survey and risk assessment, then talk to you about the best location for the concentrator machine
- A wall tap will be placed in a suitable location to direct oxygen to the rooms where you need it (see photograph). The wall tap will be attached with a length of loose tubing to enable movement around the room
- Tubing will be attached to skirting boards and door frames.
- For safety, fire breaks will be fitted in the tubing. *These must not be removed*
- A length of loose tubing will be left so you can move around each room. For health and safety reasons the maximum length of this tubing will be 15 meters (50 feet)
- This will be fitted with a cannula or mask depending on your oxygen order
- A hole (10mm wide) may need to be drilled through walls or a ceiling to access rooms where you want the oxygen outlet
- It is important that you only use tubing and masks/cannula which have been supplied by Air Products

Caution
You must turn your concentrator machine off when it is not in use.
Checking your piped oxygen system

If you feel you are not getting the right amount of oxygen from the concentrator machine using a piped oxygen system:

• Switch your concentrator machine on
• Ensure the outlet you want is selected on the wall tap
• Check the flow is set to the ordered rate
• Remove the cannula or mask and block the tubing with your thumb (see photo). Check that the ball in the concentrator machine flowmeter drops to the bottom of the flow gauge
• If the ball does not drop, ensure the outlet you want is selected, the tubing is connected to the concentrator machine and the outlet connector is fitted tightly. If this does not resolve the problem then turn the concentrator machine off, use your back up cylinder and call Air Products. If the ball drops to the bottom, the piped system is fine