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Homefill™ II Compressor

Purpose

The purpose of the HomeFill™ II Compressor is to fill compressed oxygen cylinders for portable use when using an Invacare® oxygen concentrator. See the Oxygen Concentrator Patient Education Sheet for specific operating information. Your oxygen concentrator is designed for home use as your primary oxygen source. Every time you are at home, use your oxygen concentrator as your oxygen supply. Turn off compressed cylinders when using your oxygen concentrator. Always read and abide by all manufacturers' operating instructions.

Use

Your HomeFill™ II compressor should be placed on the approved HomeFill™ stand, which fits directly over your Invacare® concentrator. To connect the compressor to the oxygen concentrator, insert one end of the interconnect hose into the outlet fitting on the back of the concentrator and the other end into the inlet fitting on the side of the compressor; an audible click will sound and the fittings will pop out when the interconnect hose is properly installed. Loop any excess interconnect hose and secure to the back of the concentrator with the fastening strap.

Plug the compressor into a grounded electrical outlet. Each time you use the HomeFill™ Compressor make sure the oxygen concentrator has been operating for at least 30 minutes.

The HomeFill™ Compressor has a cylinder filling cradle on the top of the unit that holds the compressed cylinder in the proper position for filling. Before filling your cylinders inspect them for damage. If you suspect damage, DO NOT begin the filling procedure and contact your oxygen supplier immediately. The HomeFill™ Compressor will not fill any cylinder that has a pressure reading of 1500 psi or more. Please keep the Operator's Manual near the unit at all times and refer to it as needed.

Connecting Cylinders

1. Set the regulator flow dial on the cylinder to OFF.
2. Remove the cylinder and connector fillport covers (if present).
3. Momentarily push DOWN on the outer ring of the connector fillport until GREEN dots are visible to reset the connector.
4. Grasp the cylinder/regulator assembly in the area behind the cylinder gauge.
5. Align the cylinder fillport with the connector fillport.
6. Pull UP on the outer ring of the connector fillport while pushing DOWN on the cylinder regulator assembly to couple the cylinder fillport into the connector fillport. The cylinder is properly connected when an audible "click" is heard.

Filling Cylinders

1. Make sure the concentrator is ON.
2. Set the concentrator flow rate to 3 LPM or less for Platinum XL 5 and 5 LPM for Platinum 10.
3. Make sure the cylinder is connected to the compressor.
4. Push the power switch on the control panel to the ON position.
5. Examine the control panel. The following sequence of events should occur:
 - a. 0-3 minutes: the WAIT (YELLOW) light will be lit while the compressor warms up.
 - b. After 3 minutes: the FILLING (GREEN) light will be on while the cylinder is filling.
 - c. The FULL (GREEN) light will be on when the cylinder is finished filling.
6. Disconnect the full cylinder.

Disconnecting Cylinders

1. Press the compressor power switch to the OFF position.
2. Grasp the cylinder/regulator assembly in the area behind the cylinder gauge.
3. With the other hand, grasp the outer ring of the connector fillport and push DOWN.
4. Lift up on the cylinder/regulator assembly to remove from the connector fillport.
5. When the cylinder fillport is disconnected from the connector fillport, release the outer ring of the connector fillport and use two hands to remove the cylinder from the compressor cradle.
6. Place the fillport covers on to the connector and cylinder fillports. The fillport covers should be used whenever cylinders are not being filled.

The procedures were obtained from Invacare's HomeFill™ II Operator's Manual (P/N 1100873).

Safety

The safe use of the HomeFill™ II requires it to be used as instructed, which includes the following safety precautions:

- Ensure that all instructions and safety precautions for the oxygen concentrator are followed.
- Ensure that air intake areas are kept free from obstruction.
- Ensure that the compressor and concentrator are kept dust-free.
- Keep all flammable materials away from the oxygen source, especially oil, grease, solvents, creams, lotions, petroleum products, paper, fabric, aerosol containers, and alcohol. Oxygen is not flammable, but it will make a fire burn hotter and faster.
- Never add, remove, or disable any feature, part, or function of the oxygen system.
- Never allow any untrained person or child to touch or manipulate your oxygen equipment.
- Do not fill any compressed cylinders other than those approved by the manufacturer.
- Do not try to fix, repair, or lubricate the concentrator or compressor.
- Do not use an extension cord when connecting the compressor.
- Do not under any circumstances, cut or remove the round grounding plug from the power cord plug.
- Do not use any three (3) prong to two (2) prong electrical adapters.
- Do not plug into an electrical outlet controlled by a light switch.

In order to ensure care and provide operator safety, make sure you follow these safety guidelines:

- Use nightlights to increase vision around areas of use.
- Wipe up any water or slippery floor spills.
- Remove tripping hazards (loose floorboards, uneven floors, throw rugs, extension cords, clutter, etc.)
- Install grab bars, use bath mats with suction cups, and use an elevated toilet seat to prevent falls.

Maintenance

Keep your oxygen equipment clean and dust-free by wiping down with a damp cloth. Never use anything but a damp cloth to keep your equipment clean. Only qualified repair technicians should diagnose, perform maintenance, or repair any part of your oxygen delivery system. Call your oxygen provider if your oxygen delivery system is not functioning properly.

Your HomeFill™ II Compressor has a compressor filter that requires cleaning once a week. Remove the filter and clean with a vacuum cleaner or wash in warm soapy water and rinse thoroughly. Dry the filter thoroughly before reinstallation.