HC2400 Hot/Cold Climate Control Tube Instruction Sheet

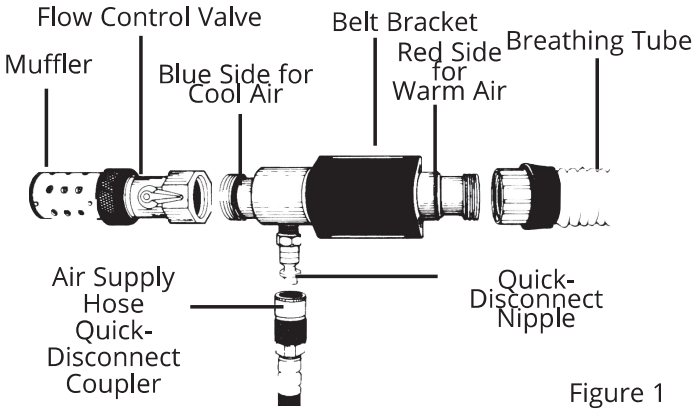


Figure 1

For optional use with Bullard Airline Respirators

Includes: Hot/Cold Tube, Flow Control Valve, Belt Bracket, Belt and Heat Shield

Function

The HC2400 is designed to supply a continuous flow of warm or cool air to certain Bullard Supplied-Air Respirators.

CAUTION

HC2400 cannot be used with a low pressure air source such as an ambient air pump.

⚠ WARNING

This climate control system is not recommended for cooling the air supply when the air temperature is less than 70°F (21°C). Since the system may cool the incoming air by more than 30°F (17°C), it is possible for ice to form in the breathing tube and reduce the airflow.
Failure to follow these instructions could result in death or serious injury or life-threatening delayed lung disease including but not limited to silicosis, pneumoconiosis, or asbestosis.

Air Pressure

Continually monitor the air pressure at the point-of-attachment while operating the respirator. A reliable air pressure gauge must be present to monitor the pressure.

⚠ WARNING

Failure to supply the minimum required pressure at the point-of-attachment for your hose length will reduce airflow and could result in death or serious injury or life-threatening delayed lung disease including but not limited to silicosis, pneumoconiosis, or asbestosis.

You must always operate the Bullard climate control device within the required pressure range for the specific Bullard supplied air respirator you are using. Using the correct pressure range will ensure that the air flow delivered to the respirator meets the NIOSH airflow requirements. Refer to the Supplied Air Pressure Tables located in the Bullard respirator user manuals to determine the correct pressure that should be used with the climate control device.

Preparation and Use of the HC2400

1. For Warm Air:

(a) In an uncontaminated atmosphere, screw the black nylon hose connector on the end of the breathing tube onto the RED side of the HC2400 Tube.

(b) Screw the flow control valve and muffler onto the blue side of the HC2400 Tube (Figure 1). Tighten both connections firmly.

For Cool Air:

(a) In an uncontaminated atmosphere, screw the black nylon hose connector on the end of the breathing tube on to the BLUE side of the HC2400 Tube.

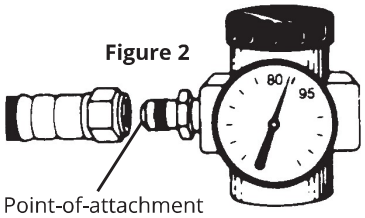
(b) Screw the flow control valve and muffler to the RED side. Tighten firmly.

⚠ WARNING

For adequate air flow, attach the muffler and flow control valve to the end of the hot/cold tube that is opposite the breathing tube end. **DO NOT USE THE HC2400 WITHOUT THE MUFFLER AND FLOW CONTROL VALVE.** Failure to observe this warning could result in death or serious injury or life-threatening delayed lung disease including but not limited to silicosis, pneumoconiosis, or asbestosis.

2. Lace the belt supplied with the HC2400 through the belt bracket. Slots are provided for wearing the tube either vertically or horizontally on the waist. See Heat Shield instructions below.
3. With the approved Bullard air supply hose connected to the air source and with air flowing into the hose, connect the quick-disconnect coupler on the air supply hose to the quick-disconnect nipple on the Hot/Cold Tube.
4. Adjust the air pressure at the point-of-attachment (Figure 2) to within the approved pressure range. See the Respirator Supplied Air Pressure table in the respirator user manual.
5. Don the respirator on by following the directions in your respirator user manual. If you do not have the respirator's user manual, contact Bullard Customer Service at the address or phone numbers below.

Figure 2



6. Turn flow control valve to adjust the flow and temperature of incoming air (Figure 1).

   Maximum cooling or warming is attained when Exhaust Valve is fully open and when there is maximum airflow out of the HC2400 exhaust port. To obtain air that is closer to ambient temperature, turn the Exhaust Valve to the fully closed position. If valve is fully closed, your respirator will receive air at ambient temperature.
7. When finished working, leave the work area wearing the respirator until you are in a clean air environment containing at least Grade D breathable air. With the air still flowing into the respirator, remove the respirator and then disconnect the air supply hose using the quick-disconnect coupler attached to the Hot/Cold Tube.

Heat Shield Instructions

Assembly

1. Determine whether the climate control device will be worn vertically or horizontally on the waist.
2. If the device will be worn in the horizontal position, align the tube on the heat shield as shown in Figure 3. If the tube will be worn in the vertical position, align the tube on the heat shield as shown in Figure 4.
3. Lace the belt supplied with your climate control device through both the heat shield slots and the climate control belt bracket slots.
4. Use plastic zip tie to secure the climate control unit to the heat shield.

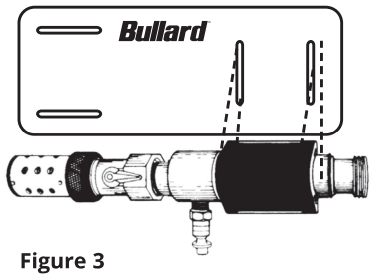
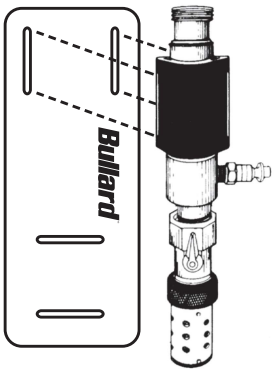


Figure 3

Figure 4



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