



Hose/ Cable Reel Installation Instructions

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Installation Instructions

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The Hospital Systems, Inc. Hose Reel is designed for use in medical facilities to deliver various medical gases such as oxygen, nitrous oxide, compressed air, nitrogen, vacuum, and 120 volt A.C. electrical service.

The Hose/Cable Reel has been shipped to you complete and ready to install

Medical Gas/Vacuum Hose Reel Installation Instructions

1. After the hose reel location has been selected and coordinated with all other trades to avoid conflicts with other ceiling installed fixtures:

CAUTION: In areas where surgical lights or other fixtures are used, exercise care to locate the hose reel so that the extended hoses avoid contact with the heated surfaces of such fixtures.

- a. Use (minimum) 3/8" threaded rods (not included) to structurally anchor the rough-in box. Anti-sway bracing is also required. See Figure 1.
- b. The rough-in box opening shall be flush with the finished ceiling.
- c. Remove the plastic cap from the copper inlet supply tube and braze the correct service supply line to the tube. Use a wet cloth around the tube where it enters the box to keep the DISS fitting cool. See NFPA 99, for installation and testing procedures. The identity of the gas service is labeled on the tube and permanently stamped on the DISS fitting inside the box.

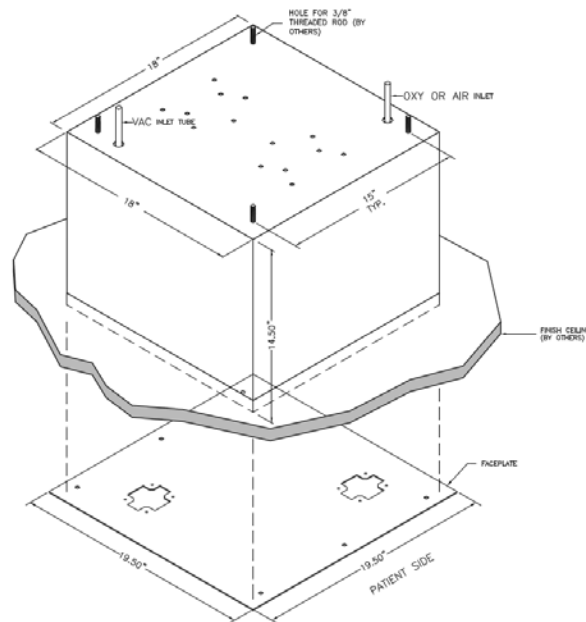


Figure 1

2. After pressure testing is finished, the piping system can be blown clear by use of an open DISS fitting to depress the check valve located in the DISS outlet station.

CAUTION:	<p>Keep head and eyes clear of the outlet gas flow when purging. Wear safety goggles.</p> <p>Use only proper DISS fitting. Use of a screwdriver or other implement may damage the o-rings.</p>
NOTE	<p>There is no secondary check valve in the vacuum outlet station. Vacuum line can be blown clear in sections. Make sure that the vacuum pump, alarm sensing switches, and gauges are not connected to the line when testing and blowing out the line.</p>

3. Do not use oil or grease on or near medical gas outlets. Use only lubricants approved for oxygen service such as O-Ring Lubricant, Cat. No. 64-90-2111.
4. Outlets are keyed to prevent interchange of gas services.

CAUTION	<p>AFTER INSTALLATION OF THE STATION OUTLETS. TESTING SHALL BE IN ACCORDANCE WITH NFPA 56F, 1977. Installer is counseled to strictly conform to NFPA 56F and to certify to the architect or owner that cross-connection testing has been completed.</p>
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The short inlet hose terminates with a DISS Female fitting safety-keyed to the appropriate outlet station in the rough-in box. The supply hose from the reel terminates in a color-coded, service identified, safety-keyed coupler. See Figure 1

5. After the previous steps have been completed, check each reel for proper hose retraction. Tension has been factory set. However, to adjust for more tension, extend the hose and loop it back over the reel. Test after 2 loops have been made. Do not adjust for tension with pressure on the line or hose.

CAUTION	<p>The Hose Reel Assembly has been factory tested for leakage. DO NOT subject the hose reel to greater than 75 PSIG test pressure (225 PSIG for nitrogen service). Use soap solution, Leakfinder, etc. to check for leaks around couplings and the swivel area</p>
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6. Retract the hoses until the ball stopper makes contact with the plate. Move the ball stopper to adjust height of the hose.
7. Open the room or area supply valves.
- 8.

The installation is now complete. However, we counsel strict adherence to NFPA99 testing procedures requiring analyzation of the gas flowing from the hose reels following the installation.

Electric Cable Reel Installation Instructions

1. Installation of the Electric Hose Reel should be done in accordance with the National Electrical Code (NFPA 70). As an extension of the hospital or facility electrical system, standards applicable to this product are contained in the NEC.
2. Install the Electric Hose Reel mounting box.
 - a. Use (minimum) $\frac{3}{8}$ " threaded rods (not included) to structurally anchor the rough-in box. Anti-sway bracing is also required. See Figure 2.
 - b. The rough-in box opening shall be flush with the finished ceiling.

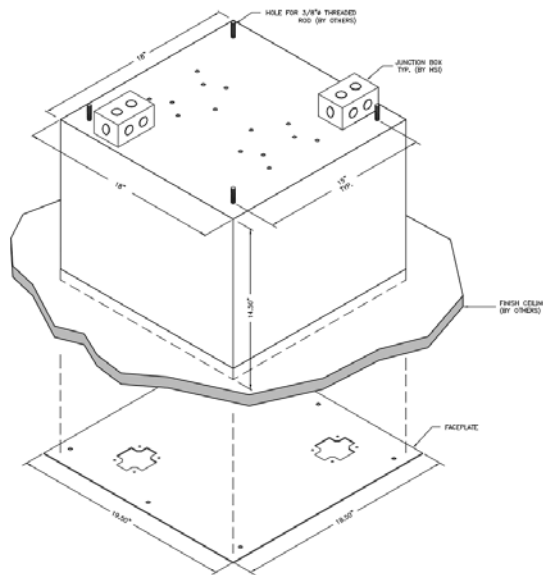


Figure 2

CAUTION	We do not recommend installation of electric cable reel in locations where flammable anesthetics are used or in the same back box with oxidizing gases such as oxygen and nitrous oxide
NOTE	Installation of the Electric Cable Reel should be done in accordance with the National Electrical Code (NFPA 70). As an extension of the hospital or facility electrical system, standards applicable to this product are contained in the NEC

3. Install flex or conduit between provided hole and nearby contractor provided junction box. Pull provided cable to junction box and make proper connection.
4. Replace stainless steel cover

The installation is now complete. After supply current has been turned on, make appropriate electrical tests.

Rough In Information

