

Medical Gas and Electrical Cord Drops Specifications

HOSE/CORD DROP basic unit shall be manufactured by Hospital Systems, Inc., Pittsburg CA 94565 USA, in accordance with shop drawings and documents. The following is a general specification, and components listed may not be present or required in final product.

The HOSE/CORD DROP shall use components that are listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. This product also complies with the seismic requirements of the State of California's Office of Statewide Health Planning and Development (OSPHD). HSI manufactures all products in accordance with the National Fire Protection Association (NFPA), NFPA-99 (current edition) and the National Electric Code (NEC).

The installation contractor is responsible for compliance with all local, state, and federal codes applicable to the installation of medical gas and electrical systems.

1. Submittals and Approvals

Job specific shop drawings shall be produced for each project. These shop drawings will clearly indicate the area of Medical Gas termination, and electrical connection points inside or outside the HOSE/CORD DROP. Drawings of Record will be produced, and emailed at the time of shipment, upon request.

HSI will manufacture equipment as per signed approval drawings and verification documents, which are provided in the job specific submittal package.

2. Basic Construction

A. Ceiling Box

Box shall be welded steel construction with a powder coated finish to form a recessed, ceiling-mounted unit. Unit shall be factory assembled to include gas and electrical connections as shown on the plans and specifications, and wired in accordance with HSI shop drawings. Primary electrical conduit runs are provided by the electrical contractor. All wiring shall be marked, color-coded and tie wrapped to facilitate easy circuit identification.

B. Hose Drop

Each hose drop shall consist of one (1) 6' med gas hose with DISS fitting at proximal end and one (1) med gas connection at distal end. Connection type to be specified by facility.

C. Cord Drop

Each cord drop shall consist of one (1) 6' electrical cord with twist-lock receptacle on proximal end and non-conductive box containing one (1) or two (2) electrical receptacles at distal end. Receptacle type to be specified by facility. **Cord shall be with strain relief at each end**

100% USA Manufactured

Union Made

12 Year Product Warranty

All specifications are nominal and subject to change without notice. Hospital Systems, Inc. makes no warranty, expressed or implied, except for the express written warranty extended on the sale of its products.

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3. Components

A. Electrical

ELECTRICAL RECEPTACLES

Receptacles shall be the type and quantity as shown on the drawings and specified. Unless otherwise noted 2 pole, 3 wire, rated at 20 amps, 120 Volt, Hospital Grade shall be provided.

Also available: BS, DIN, and others.

- **Duplex receptacles** shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- **Simplex receptacles** shall be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits.
- **Safety receptacles** (if required) shall be duplex type, be NEMA style 5-15R or 5-20R, color Ivory for use on normal power circuits, and color Red for use on critical branch power circuits. Receptacles shall limit proper access to energized contacts.

B. Med Gas

MEDICAL GAS PIPING

Oxygen, vacuum, medical air, evacuation, and nitrous oxide outlets shall be as indicated in plans and specifications. All outlets will be installed by HSI at the factory and tested in accordance with NFPA 99c. All Medical Gas piping shall be Type L copper pipe. The mechanical contractor will bring the primary supply lines of the medical gases to the terminal connections at locations shown on the drawings.

4. Installation

Ceiling box, when ordered, will be supplied in advance for pre-installation of electrical and medical gas services. Ceiling box shall be furnished with instructions. Hardware is to be furnished by the installer or contractor. The installer or contractor shall install ceiling box and attach drops. Instructions shall be furnished by HSI. The installer shall make connection of building services as shown on the electrical drawings and as herein specified. Customer shall coordinate with HSI for equipment supplied by others to ensure compatibility of this equipment with the CORD/HOSE DROP. The installer or contractor shall provide primary connections to the medical gas system in the access area of ceiling box as detailed on drawings. It shall be the responsibility of the mechanical contractor to perform and certify all pressure tests as required by NFPA 99c. Please refer to the installation instructions for further details.

5. Ordering Information

All HSI headwalls are Build-to-Order and will be assigned their own unique model numbers during the submittal phase.

Please visit our website at www.HSIheadwalls.com for the contact information of your local sales representative

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