Hospital Systems

750 Garcia Ave, Pittsburg
CA 94565
+1.925.427.7800
HSIheadwalls.com

Ceiling Column

Ceiling Service Column

100% USA Manufactured

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.

CEILING COLUMN 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 CEILING COLUMN is manufactured to meet the requirements of 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 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 CEILING COLUMN. Drawings of Record will be produced, and emailed at the time of shipment, on 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

Enclosure shall be constructed of 16-gauge steel for Rigid Columns, 18-gauge steel for Retractable Columns, and 16-gauge aluminum for MRI Columns, to form a ceiling-mounted unit. Unit shall be factory assembled to include mechanical and electrical components as shown on the plans and specifications, and wired in accordance with HSI shop drawings. Primary electrical conduit runs to the ceiling unit are provided by the electrical contractor and shall be accommodated by a terminal enclosure furnished as an integral part of the CEILING COLUMN.

All secondary wiring within the CEILING COLUMN shall terminate in the upper terminal enclosure. All wiring shall be marked, color-coded and tie wrapped to facilitate easy circuit identification. Ceiling column shall be stainless steel or powder-coated steel as specified by facility.

Fixed ceiling column shall be as described above. Retractable Ceiling Columns shall include central portion which can be extended an additional 15". Internal mechanism shall be electrically or pneumatically-operated, as specified by facility.

3. Components

A. Electrical

WIRING

Wire for standard and critical branch power circuits shall be #12 AWG THHN stranded copper wire, 600 volt, with heat resistant thermoplastic insulation for hot (black) and neutral (white). Grounds shall be #10 AWG stranded copper wire (green).

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 contracts and shall accept both 2 wire and 3 wire plugs.

SWITCHING

Switches shall be Industrial Grade 120/277 volt, 15 or 20 amps. Switch type options include SPST, 3-Way or Momentary, and shall be provided as shown on submittal shop drawings. Low Voltage Switching will be 0-12 volts, 15 amps unless otherwise noted. HSI shall furnish, pre-install and wire all switches.

B. Med Gas

MEDICAL GAS PIPING

Oxygen, vacuum, medical air, evacuation, and nitrous oxide outlets shall be as indicated in

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

c UL us LISTED

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

plans and specifications. All outlets will be installed by HSI at the factory, tested in accordance with the station outlet manufacturers' requirements. All Medical Gas Outlets and piping shall be brazed and tested in accordance with NFPA 99c. The mechanical contractor will bring the primary supply lines of the medical gases to the terminal connections at locations shown on the drawings.

C. Provisions
DATA JACK
Data jacks furnished by others shall be installed at locations as shown on the plans and specifications. HSI shall provide a matching blank plate for the computer jack when requested. The unit will include a factory installed raceway and labeled pull cord to accommodate the data wiring.

4. Installation

HSI shall supply a ceiling mounting plate with knockouts for building service connections and medical gas service (DISS) outlet installed. Ceiling mounting plate will be supplied in advance of ceiling column for pre-installation of electrical and medical gas services. Ceiling mounting plate shall be furnished with instructions. Hardware is to be furnished by the installer or contractor. The installer or contractor shall install ceiling mounting plate, remove front service panel of ceiling column, and attach column to ceiling mounting plate. Hardware to mount the ceiling column shall be provided by the installing contractor to meet local requirements. Instructions shall be furnished by HSI The installer or contractor shall furnish and install conduit to ceiling mounting plate with wiring. He shall make connection of building services to pre-wired junction box as shown on the electrical drawings and as herein specified. Customer shall coordinate with Hospital Systems, Inc for equipment supplied by others to ensure compatibility of this equipment with the Ceiling Column. The installer or contractor shall provide primary connections to the medical gas system in the access area of column unit 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, and to install the gas outlet finishing assemblies. Please refer to the installation instructions for further details.

c UL us LISTED

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 HSIheadwalls.com for the contact information of your local sales representative.

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

c UL us LISTED