Hospital Systems

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

# Herman Miller Compass by HSI

## Headwall System

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.

COMPASS™ module 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.

COMPASS is to be listed by Underwriters Laboratories Inc. (UL) in Canada and the United States of America. This product also complies with the seismic requirements of, and is approved by, 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 COMPASS. 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 verifications documents, which are provided in the job specific submittal package.

### 2. Basic Construction

COMPASS shall be built in modules as shown on shop drawings. Each module shall consist of two (2) vertical stiles which mount to the wall via horizontal wall rails. Stiles shall include key holes for mounting of Herman Miller COMPASS wall tiles. Each module 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.

Electrical devices shall be supported by factory-installed brackets. All secondary wiring within the

COMPASS shall be enclosed in conduit and terminate in the upper terminal enclosure. All wiring shall be marked, and color-coded to facilitate easy circuit identification. Device cover plates shall be stainless steel or thermoplastic nylon.

Medical gas outlets shall be supported by factory-installed brackets. All medical gas outlets shall be pre-piped for single-point connection as shown on shop drawings.

**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). All ground conductors shall be installed in conduit. Primary electrical conduit runs to each module, are provided by the electrical contractor and shall be accommodated by an upper terminal enclosure, furnished as an integral part of the COMPASS module.

## 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.

**GROUNDING JACKS**

Externally accessible grounding jacks shall be provided in the COMPASS module as shown in these shop drawings. The solid brass receptacle shall be enclosed in a non-conductive housing and shall be spring loaded, with a twist-to-lock action and shall be manufactured to the requirements of NEC Article 517, and NFPA 99.

**SWITCHING**

Switches shall be Industrial Grade 120/277 volt, 20 amps. Switch type options include SPST, 3-Way or Momentary, and shall be

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

provided as shown on submittal shop drawings. Low Voltage Switching will be 0-12 volts, 15 amps unless otherwise noted. Switches for normal circuits shall be color Ivory and
color Red for emergency circuits. 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 plans and specifications. All outlets will be installed by HSI at the factory, manifolded and tested in accordance with NFPA 99C. All Medical Gas piping shall be Type L copper pipe, cleaned and capped for oxygen use. The mechanical contractor will bring the primary supply lines of the medical gasses to the singular terminal connections at locations shown on the drawings. Final testing to be done by the mechanical contractor.

**C. Lighting**

Provisions for lighting connection will be provided with labeled pull-cords. Low-Voltage Controllers will be provided and installed as shown in shop drawings.

**D. Provisions**

**NURSE CALL EQUIPMENT**

All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. A support bracket and labeled pull-cord shall be provided by HSI for use by the nurse call installer.

**MONITORING EQUIPMENT**

Monitor equipment shall be provided and installed by others. HSI shall provide a blank plate for the monitor receptacle when requested. The COMPASS module will include a factory installed support bracket, conduit and labeled pull cord to accommodate the monitor wiring.

**Computer Interconnect**

A computer system furnished by others shall be installed at locations as shown on the plans and specifications. HSI shall provide a blank plate for the computer jack when requested. The COMPASS module will include a factory installed support bracket, conduit and labeled pull cord to accommodate the computer system wiring.

## 4. Installation

The COMPASS module mounts to horizontal wall rails, provided by Herman Miller, Inc. Hardware is to be furnished by the installer or contractor. The installer or contractor shall install wall rails and mount module to wall rails. Instructions shall be furnished by

Hospital Systems, Inc. Installer 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 headwall. The installer or contractor shall provide primary connections to the medical gas system in the access area of headwall 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 99, and to install the gas outlet finishing assemblies. Installer shall also install Herman Miller COMPASS wall tiles and device faceplates. 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

In Partnership with

HermanMiller

HSI Hospital Systems

750 Garcia Ave,
Pittsburg
CA 94565
+1.925.427.7800

c UL us LISTED