

**CONSOLE** 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 CONSOLE is 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 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 CONSOLE. 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

Backbox shall be a code gauge, formed aluminum trough with a combination of ½" – ¾" inch combination knockouts on top and bottom of the backbox. A preformed aluminum end cap shall be permanently attached to the backbox. A powder coated fascia panel shall be field attached to the backbox assembly by the installing contractor using screws provided by HSI. Electrical conduit runs to the knockouts and wiring within the console shall be the responsibility of the electrical contractor. Medical gas outlets shall be installed in the consoles by the mechanical contractor. Individual fixed barriers in the backbox shall be pre-installed by HSI at the factory to separate different voltages and mechanical services.

### 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.

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 Cont.**

- **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.

#### **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.

#### **REACT™ CLOCK TIMER**

When indicated on the drawings, a HSI React Clock Timer shall be provided and shipped loose for installation by the electrical contractor. The circuitry shall allow the activation of the elapsed time indicator by manually depressing the "Start" switch, or by a patient ventricular alarm condition broadcast through the bedside physiological monitor. Manually operated "Stop/Start", "Reset", and "Mode" switches are also provided and pre-wired within the React unit. The installing contractor shall perform wiring and electrical actuation between the monitor and the React unit.

#### **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 when provided by HSI will be shipped loose. The mechanical contractor will install and bring the primary supply lines of the medical gases to the terminal connections as shown on the drawings. In situ, all Medical Gas Outlets and piping shall be brazed and tested in accordance with NFPA 99c.

#### **C. Provisions**

##### **NURSE CALL EQUIPMENT**

All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. A labeled pull-cord shall be provided by Hospital Systems, Inc. for use by the nurse call installer.

##### **MONITORING EQUIPMENT**

Monitor equipment shall be provided and installed by others. HSI shall provide a matching blank plate for the monitor receptacle to the monitor supplier when requested. The CONSOLE wall unit will include a factory installed raceway and labeled pull cord to accommodate the monitor wiring. Where specified a monitor slide and optional pivot/tilt arm shall be provided to support the physiological monitor.

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### **3. Components Cont.**

#### **COMPUTER INTERCONNECT**

A computer system 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 CONSOLE unit will include a factory installed raceway and labeled pull cord to accommodate the computer system wiring.

### **4. Installation**

The installer or contractor shall install back box, medical gas outlets and all receptacles and devices. Installer or contractor shall also install cover plates and front fascia. Instructions shall be furnished by HSI. The installer or contractor shall make connection of building services to devices 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 console. The installer or contractor shall provide connections to the medical gas outlets 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.

### **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](http://www.HSIheadwalls.com) for the contact information of your local sales representative.

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