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## > Horizontal Headwall INT-06 (Curved Top)

This system is an economical  
and efficient solution for  
intermediate care areas of  
the hospital.



A contemporary design with an appealing “curved look”, easy to clean and aesthetically pleasing, available in any length or colour. A wide variety of accessories will attach to both rails, allowing you to adapt to any care requirement.

This unit can service several beds and is easily mounted directly to a wall. It comes pre-plumbed and prewired to permit single point connections for any service type.



## > Horizontal Headwall Specifications

Receptacles to be installed by Interspec  
Nurse call: 3 gang provision  
Code Blue: single gang provision  
Monitor Outlet: single gang allowed  
Code Pink: single gang provision  
Elapsed Time clock (etc): single gang provision  
Data Outlet: single gang provision

All electrical devices on headwalls type 2 thru -type 10, excluding type 9, will require circuit numbers to be identified.

Conduit: 1/2" EMT or 3/4" EMT

Wire: T90 XPLE Stranded

#10 Green - ground for power circuits

#12 White - normal & emergency power circuits

#12 Black - normal & emergency power circuits

Medical gas outlets: Installed by Interspec

Copper pipe: "K" medical - 1/2" oxygen & air, 3/4" vacuum

Fittings: Wrot Copper

Solder: Silfos 15

CRN # OH1685.5 for medical gas piping

Structural Frame: extruded 6063 T5 anodized aluminum.

Services Fascia: extruded aluminum with knockouts & insert plates for services.

Access Panels: (removable) plastic laminate on .375 MDF c/w equal backing sheet

Laminate colour: To be chosen by architect. Arborite, Formica, Pionite or Wilsonart.

Gases manifolded for single point connection within each unit.

All room dimensions to be confirmed before production.



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## > Horizontal Headwall Specifications

The Horizontal Rail System shall be manufactured by Interspec Systems, in accordance with these shop drawings and documents.

### > Basic Construction

Enclosure shall be constructed of extruded, satin clear anodized aluminum sections to provide a modular wall mounted unit. The unit shall be factory assembled to include mechanical and electrical components as shown on the plans and specifications, and wired in accordance with Interspec System shop drawings as indicated. Satin clear anodized aluminum fascias shall be removable for console sections of the wall unit. All back boxes are constructed out of 16 gauge galvanized steel with combination 1/2 inch and 3/4 inch knockouts on the top and bottom of the backbox.

Primary electrical conduit runs to the unit are provided by the electrical contractor and shall be accommodated by an upper terminal enclosure furnished as part of the unit. All secondary wiring within the wall unit shall be enclosed in electrical conduits and terminate in the appropriate sections in the upper terminal box. All wiring shall be marked, colour-coded and tie wrapped to facilitate easy circuit identification. Removable, fire-retardant panels shall be finished with high-pressure plastic laminate on the outside face and a fire retardant backing sheet on the reverse.

The colour of the plastic laminate shall be selected by the hospital, or by the architect from standard colour selections from Formica, Wilson Art, Arborite, Pionite, Nevamar.

### > Components

**Medical Gas Station Outlets:** Medical gas outlets shall be as indicated in plans and specifications. Interspec System will factory install all outlets, manifolded and tested in accordance with CSA-Z305.1 and/or NFPA 99. The mechanical contractor will bring the primary supply lines of the medical gases to the singular terminal connections at locations shown on the drawings.

**Power Outlets:** Receptacles shall be the type and quantity as shown on the drawings and specified. Unless otherwise noted 2 pole, 3 wire, rated at 20 amperes, 120 Volt, Hospital Grade shall be provided. Secondary circuit breakers. Circuit protection shall be provided by UL/CSA listed breakers as indicated on the drawings. Breakers shall be assembled by means of a positive bolted connection to solid, copper bus bars.

**Internal Ground Bus:** A ground bus shall be included with a minimum of 4 screw type. The ground bus assembly shall also provide a positive means for grounding the breaker enclosure.

**Grounding Jacks:** Externally accessible grounding jacks shall be provided in the Flat wall unit, as required. The solid brass receptacle shall be enclosed in a non-conductive housing and shall be spring-loaded and shall be manufactured to the requirements of CSA and/or NFPA 99.

**Lighting Fixture:** When specified, Interspec System shall supply an over bed lighting fixture complete with plastic laminate trim colour to match the Vertical Wall unit.

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**Examination Light:** When specified, the over bed lighting fixture shall be provided and a suitable mounting bracket installed on the Vertical Wall unit as indicated on the shop drawings.

**Clock/Timer:** When specified, Interspec System will supply a Clock/Timer unit factory installed in the Vertical Wall. The microprocessor based unit displays both time-of-day and elapsed time. The clock shall have an internal backup circuit that keep the clock and timer functions running for at least 24 hours. The Clock/Timer unit shall have a provision for Code Blue input. The installing contractor shall perform wiring and electrical actuation between the monitor and the Clock/Timer unit.

### > Provisions

**Nurse Call Equipment:** All nurse call equipment shall be furnished and installed by others as indicated in the plans and specifications. Interspec System shall provide a labeled pull cord for use by the nurse call installer.

**Monitoring Equipment:** Monitor equipment shall be provided and installed by others. Interspec System shall provide a matching blank plate for the monitor receptacle to the monitor supplier when requested. The Wall unit will include a factory-installed raceway and labeled pull cord to accommodate the monitor wiring. Where specified an Interspec System Tilt Swivel Monitor Bracket and channel shall be provided to support the monitor.

**Computer Interconnects:** A computer system furnished by others shall be installed at locations as shown on the plans and specifications. Interspec System shall provide a matching blank plate for the computer-jack when requested. The Wall unit will include a factory-installed raceway and labeled pull cord to accommodate the computer system wiring.

### > Accessories

Accessories shall be provided in the quantities and types as shown in the submittal. Others shall install accessories in the locations as determined by the end user. Interspec System manufactures a full line of Accessories.

### > Installation

Mounting of the product shall be the responsibility of the installing contractor this includes receiving storage, erection, overhead bracing, clean up, touch up, carton disposal etc. This contractor shall supply all necessary installation material including such items as tools, fasteners, caulking and electrical lamps not supplied by Interspec System.

**The electrical contractor** shall be responsible for all electrical hook-up at service connection locations plus interconnect wiring on multi-section units. After the installation is complete the electrical contractor shall test equipment function plus electrical receptacles and grounding in accordance with local electrical code requirements.

**The medical gas contractor** shall be responsible for piping and hook-up of all medical gas services. In addition, hook-up of piping between sections on multi-section units shall be the responsibility of this contractor. The medical gas contractor shall be responsible for purging, pressure testing, gas identification and system, certification in accordance with CSA-Z305.1 and/or NFPA 99.

**Accessory items** shall be installed in accordance with the manufacturer instructions and shall be the responsibility of this section. The installation shall take place under the direction of the hospital.

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## > Horizontal Headwall Notes

### > ELECTRICAL NOTES

**Receptacles** to be supplied and installed by **Interspec Systems**.

**Nurse Call:** 3 gang provision, needs to be confirmed.

**Cardiac Arrest:** single gang provision, needs to be confirmed.

**Monitor Outlet:** single gang allowed, needs to be confirmed.

**Data Outlet:** single gang allowed, needs to be confirmed.

**GFI:** single gang allowed, needs to be confirmed.

Samples of above required prior to production.

All **Electrical Devices** on all headwalls will require **Circuit Numbers** to be identified.

**Conduit:** 1/2" EMT or 3/4"

**Wire:**

> # 10 green - ground for power circuits: RWU90 # 10AWG

> # 12 white - RW90 # 12 AWG

> # 12 black - normal & emergency power circuits: RW90 # 12 AWG

**Ground bus** as required in junction boxes.

### > MECHANICAL NOTES

**Medical Gas Outlet:** supplied by div. 15, installed & piped by Interspec Systems.

**Copper Pipe:** type "K" medical -1/2" for Oxygen and Air 3/4' for Vacuum

**Fittings:** Wrot Copper

**Solder:** Silfos 15

CRN # OH 1685.5 for Medical Gas Piping

Gases manifolded for single point connection within each Horizontal Headwall Unit.

### > GENERAL NOTES

**Structural Frame:** extruded 6063 T5 Anodized Aluminum.

**Service Fascia:** extruded aluminum with knockouts & insert plates for services.

**Access Panel:** (removable) Plastic Laminate on 0.375 MDF c/w equal backing sheet.

**Laminate Colour:** to be selected at later date by Architect: Aborite, Formica, Pionite or Wilsonart.

**Room Dimensions** to be confirmed before production.