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> Power Column

A critical component for your
critical care needs.

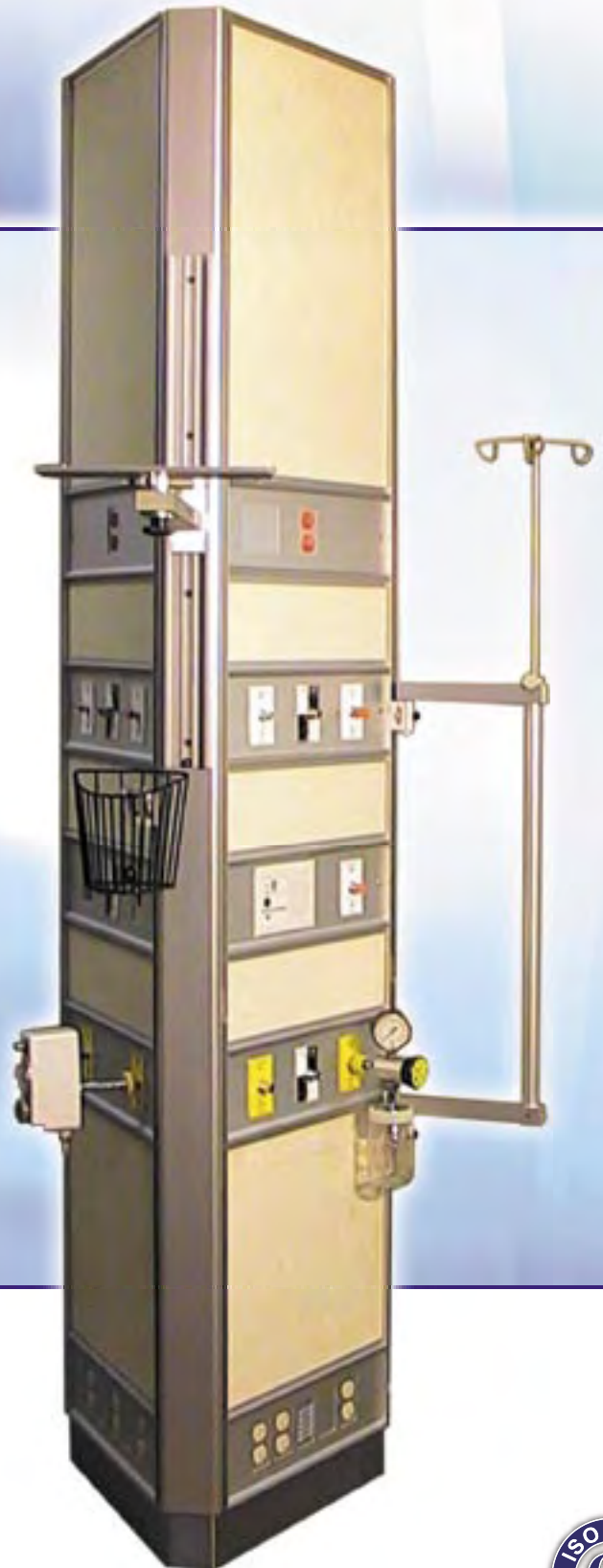
Centralized services give staff
easy access to the patient.

Each column is custom built
to suit specified needs of the
hospital.

The multi-rail system provides
the hospital team with flexibility
to adapt accessories to different
situations.

The power column is proven to
be a valuable use of space, and
efficient manager of services
and equipment.

Available in a wide range
of colours, sizes and
configurations.



> Power Column 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, Nevamar or Wilsonart.

Gases manifolded for single point connection within each unit.

All room dimensions to be confirmed before production.



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> Power Column Specifications

The Power Column 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 Free Standing 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 Systems shop drawings as herein indicated. Satin clear anodized aluminum fascias shall be removable for console sections of Power Column.

All back boxes are produced from formed 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. All wiring shall be marked, colour-coded and tie wrapped to facilitate easy circuit identification.

Floor Mounting Base: Floor mounting base shall be constructed of 16 gauge formed stainless steel welded into a rigid structure, mounting base shall be attached to the column structure at factory and shall provide for mounting to the floor by installing contractor.

Main Junction Box: The main junction box shall be located at front-top of Power Column for ease, of hook-up and service. Box shall be 16 gauge formed galvanized steel, barriered into three(3) compartment, electrical, communications (low voltage), telephone and emergency power, as required. Factory installed equipment shall be pre-wired to main junction box for single point service

connection. Removable panels shall be finished with high-pressure plastic laminate on the outside face and a 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 Systems will factory install all outlets, manifolded and tested in accordance with NFPA 99 or CSA-Z305.1. 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.

Internal Ground Bus: A ground bus shall be included with a minimum of 8 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 Power Column, 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 NFPA 99.

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> Power Column Specifications

Examination Light: When specified, Interspec Systems shall include an over bed lighting fixture and a suitable mounting bracket installed on the Power Column as indicated on the shop drawings.

Clock Timer: When specified Interspec Systems shall factory install a Clock/Timer unit in the Power Column. 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 Clock/Timer unit.

> Provisions

Provision for the following components or devices provided and installed by others to meet the following requirements.

Nurse Call Equipment: All nurse call equipment shall be provided and installed by others. Interspec Systems shall provide a matching blank plate for the monitor receptacle to the monitor supplier when requested. The Power Column will include a factory-installed raceway and labeled pull cord to accommodate the monitor wiring. Where specified an Interspec Systems 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 Systems shall provide a matching blank plate for the computer-jack when requested. The Power Column 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 Systems 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 Systems.

The electrical contractor shall be responsible for all electrical hook-up at service connection locations plus interconnect wiring on multi-section units. After 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 install 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.