

# Integris® Headwall System (P2002C)

## TECHNICAL DATA SHEET



### 1. Product Name

Integris® Headwall System (P2002C)

### 2. Manufacturer

WittRock Healthcare  
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### 3. Product Description

The Integris® 2002C Headwall System is manufactured and provided by WittRock Co., an industry-leader in medical technologies to enhance the safety and quality of patient care.

#### BASIC USE

Integris 2002C System is a highly functional and flexible headwall system that centralizes and organizes medical services. Designed with moveable gas outlets, Integris 2002C Headwall System easily adapts to varying acuity levels and can be configured to address both patient needs and caregiver convenience. The streamlined system provides electrical, communication, medical gas and vacuum services, as well as management of secondary equipment. It is suited for private, semi-private or multiple-bed rooms in new construction or renovation projects.

#### COMPOSITION & MATERIALS

The Integris 2002C Headwall System includes raceways, electrical receptacles, manifold, upper and lower gas rails and an optional service chase/shroud. An extensive selection of accessories is also available.

#### Raceway

The horizontal raceway, mounted to the wall behind the patient bed, provides for electrical I/O devices, medical gases and ancillary equipment. Fabricated of a 3-piece aluminum extrusion and a High Pressure Laminate (HPL) fascia cover with a 16 gauge galvanized steel backing, the raceway has three areas for electrical services:



- Normal power raceway- Supports up to 40 separate 12 AWG wires
- Critical branch power raceway - Supports up to 56 12 AWG wires without a bed locator option. If a bed locator option is specified, only 24 wires are accommodated. The junction box usually determines the amount of wires for raceways
- Low voltage power raceway - Includes options for nurse call, STAT clock/timer, code blue emergency, telephone and low voltage control switching

Raceway sections are specified in 3" (7.6 cm) increments, from a standard minimum of 78" (198 cm) to a standard maximum of 108" (274 cm). Multiple sections can be joined for headwalls over 108" (274 cm).

#### Electrical Receptacles

Receptacles are determined by client and code; single, duplex, locking, tamper-resistant and isolated ground receptacles are available. Unused gang boxes have cover plates of formed aluminum, painted to match the raceway. Nurse call face plates are not provided.

#### Manifold

Oxygen, medical air and vacuum distribution is through a pre-assembled gas manifold. The manifold is configured for 14 ports: 4 ports for oxygen; 4 ports for air; 6 ports for vacuum.

Service to moveable secondary gas outlets is through indexed hose assemblies connected to DISS check valves (oxygen and air) and DISS fittings (vacuum) on the manifold. The medical gas/vacuum supply to the manifold is through copper service drops in a cavity behind the service chase, if installed, or through the wall to a designated connection.

#### Gas Blocks

Oxygen, medical air blocks and vacuum blocks are made of aluminum alloy with an anodized finish. Oxygen and medical blocks are fitted with 1/4" (0.64 cm) ID hoses, and vacuum blocks are fitted with a 5/16" (0.79 cm) ID hose. Moveable blocks include a Parker flex hose with 90 degree swivel fittings. Distribution is through a pre-assembled aluminum block manifold, with hard copper piping feeding the manifold. WittRock®, Chemetron®, Puritan-Bennett® or Oxyquip® keying styles and DISS outlets are specifiable options.

#### Hose Panels/Upper Gas Rail

The hose panel is a tilt-out removable panel that conceals manifold and gas hoses and provides a mounting rail for the upper row of gas blocks.

#### Spreader Bars/Lower Gas Rail

Spreader bars support and latch the hose panels and provide a mounting rail for the lower row of gas blocks.

#### Service Chase/Shroud (Optional)

The optional service chase can supply raceways from the left or right side for private rooms or can centrally supply them for semi-private rooms. Constructed of 16 gauge steel with a slide-in panel, the chase includes a main junction box for connections of incoming electrical services and an expansion section to accommodate varying ceiling heights.

#### SIZES

See Table 1.

#### COLOR

The Integris 2002C Headwall System is available in a selection of HPL colors.

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### BENEFITS

- Organizes medical services for increased convenience
- Moveable gas outlets optimize positioning and serviceability
- Supports multiple rails for versatile positioning of electrical receptacles, low voltage devices and accessories
- Sleek, streamlined design promotes pleasant atmosphere
- Allows caregivers to custom-configure the patient's room
- Integrates with beds, stretchers, communication systems and other WittRock accessories
- Chased units can be mounted to existing walls to minimize renovation time and construction cost
- Accommodates a variety of optional accessories
- Installs quickly and efficiently

### ACCESSORIES

The extensive selection of accessories for the Integris® 2002C Headwall System includes:

- Integris P0052 Integrated Bed Locator. Note: For isolated power, use of a P201607 Integrated Bed Locator with a 2002B Headwall System is necessary
- Lights
- Light rail
- Single, duplex, tamper-resistant and locking electrical receptacle
- Monitor and TV mount
- Diagnostic equipment mounting
- Transfer and IV poles
- Baskets
- Switches
- Telephone provision
- Code blue emergency call button
- Nurse call station
- STAT Clock/timer provision
- Humidifier and heater mount
- Bird™ Blender slide and mount
- Dimmer switch
- Timed light switch
- SideCom® Bed Interface
- Low voltage remote light switching
- Circuit breaker panel
- Infusion Management Device (IMD)

### 4. Technical Data

#### APPLICABLE STANDARDS

- Canadian Standards Association (CSA)
- CSA C22.1 Canadian Electrical Code, Part I (19 Edition) Safety Standard for Electrical Installations

TABLE 1 - SIZES	
Overall	
Length, per rail	66" - 96" (198.1 - 289.6 cm)
Rail height	24.688" (62.7 cm)
Rail depth	4.4" (11.2 cm)
Device center line from floor	44.75 (113.7 cm)
Vertical chase	
Width	13.25" (33.65 cm)
Depth	5.5" (14 cm)
Height	Varies with ceiling height
TABLE 2 - TECHNICAL DATA	
Medical gas and vacuum services	Up to 14 (maximum 4 oxygen; maximum 4 medical air; maximum 6 vacuum)
Electric	Normal, critical branch and low voltage
Gas outlets	Moveable (vs. fixed)
Receptacles	1 or 2 gang
Rails	Standard upper and lower; optional light and equipment

- CSA C22.2 No. 0 General Requirements - Canadian Electrical Code, Part II
- CAN/CSA Z305.1 Non-flammable Medical Gas Piping Systems
- CAN/CSA Z318.6 Commissioning of Medical Gas Systems in Health Care Facilities

National Fire Protection Association (NFPA)

- NFPA 70 National Electrical Code (NEC)
- NFPA 99 Standard for Health Care Facilities

Underwriters Laboratories, Inc. (UL)

#### APPROVALS

- UL listed by Underwriters Laboratory Inc. (UL) for the United States (KEZR or KEXS) and Canada (KEZR7 or KEXS7)
- Complies with seismic requirements for the state of California Office of Statewide Health Planning and Development (OSHDP)

#### TECHNICAL PROPERTIES

See Table 2.

#### FIRE PERFORMANCE

The Integris 2002C Headwall System meets UL fire performance requirements for the United States and Canada.

### 5. Installation

#### PREPARATORY WORK

The Integris 2002C Headwall System is shipped in protective, corrugated paper end caps. Delivery is the responsibility of WittRock Co., normally using WittRock trucks.

Ensure that the facility's medical gas lines,

vacuum lines and electrical lines have been run to the general location of the installation site in accordance with NFPA 99 and NFPA 70.

For installation to fire-rated or non-seismic walls, ensure that walls are constructed of a minimum 20 gauge steel studs on 16" (41 cm) centerlines and covered with a minimum of 5/8" (15.9 mm) dry wall. If necessary, install wall backing plates according to OSHPD-approved drawings. For seismic construction requirements, contact WittRock Co.

#### Storage

Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by WittRock Co.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

#### METHODS

The Integris 2002C Headwall System and its related equipment, wiring, conduit and connections are designed to be installed by contractors in accordance with the manufacturer's comprehensive installation instructions.

#### Order of Installation

- Determine the wall and construction type
- Install the manifold
- Install the raceway
- Install the end caps
- Install the bed locator, if used
- Connect the medical gas hoses

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### BUILDING CODES

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions, including:

- NFPA 70 (NEC) for the United States
- NFPA 99
- CAN/CSA 22.1 and CAN/CSA 22.2, No. 0 for Canada
- CAN/CSA-Z305.1 and Z318.6 for Canada

### 6. Availability & Cost

#### AVAILABILITY

WittRock® products are available in the U.S., Canada and Puerto Rico, direct from the manufacturer. Contact WittRock Co. for information concerning local availability.

#### COST

Cost information may be obtained from the manufacturer.

### 7. Warranty

WittRock Co. offers a general 1-year limited warranty against defects in material and workmanship. Complete warranty terms and conditions are available from the manufacturer. For details, consult WittRock Co.

### 8. Maintenance

The Centers for Disease Control recommends EPA-approved hospital disinfectants, used at the manufacturers' suggested dilutions. The headwall should be cleaned by wiping a soft dampened cloth over the surface, followed by wiping with a dry cloth. Alcohol and other strong or abrasive cleaners and hydrocarbon solvents are not necessary and should not be used on plastic or painted surfaces.

WittRock recommends regular care and maintenance by a qualified technician, as specified in the service manual.

Additional information is available from WittRock Co.

### 9. Technical Services

Customer service, technical support and troubleshooting are available through toll-free telephone consultation. Technical assistance, including detailed product information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, is available from WittRock Co.