

Basis® Headwall System (P2102A)

TECHNICAL DATA SHEET



1. Product Name

Basis® Headwall System (P2102A)

2. Manufacturer

WittRock Healthcare
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3. Product Description

The Basis™ Headwall System is manufactured by WittRock Inc., a leading worldwide provider of medical technologies and related services for the health care industry.

BASIC USE

The Basis Headwall System delivers traditional services, including medical gases, electric power and integrated communication, to the patient care area, improving functionality and creating a comfortable environment for healing. The system can be customized to meet the clinical, spatial and aesthetic requirements of a specific care area and has the capacity to interface to hospital beds, stretchers, nursecall systems, accessories, bed communications and other low voltage/data devices.

Configuration

Each Basis Headwall System module is fully functional as an independent unit.

The configurable system is made up of vertical or horizontal single-frame headwall modules. The headwall can be surface mounted to a finished wall or can be in-wall mounted to sit flush with the finished wall surface. A double-sided configuration is available for adjacent rooms.

The service panels contain the outlets, switches, communications, medical gas connections and other devices specified for the headwall system. The panels and frame assembly include concealed, easily removed fasteners, and removable gap fillers seal spacing between adjoining panels.

An electrical J box supports normal, low



Basis In-Wall Horizontal with Bed Locator

voltage and emergency/critical power. Two gas manifolds have 2 or 4 ports for oxygen and air, and a vacuum manifold has 2, 4 or 6 ports. A typical outlet configuration is:

- 16" (41 cm) unit - 2 oxygen; 2 air; 2 vacuum
- 24" (61 cm) unit - 4 oxygen; 4 air; 4 vacuum
- 32" (81 cm) unit - 4 oxygen; 4 air; 6 vacuum

WittRock Inc. offers a wide selection of accessories for the Basis Headwall System.

TYPES

- Vertical
- Horizontal
- On-wall/surface-mount, single-sided
- In-wall, single-sided
- In-wall, double-sided

COMPOSITION & MATERIALS

- Framework consists of 16 gauge, roll-formed galvanized steel channels
- Panels are 16 gauge galvanized steel, finished with commercially available HPL
- Service connection can be a single-point section with junction box and manifold or a 2-point connection with two separate units, each with junction box and manifold
- The gas manifold is a machined aluminum block with D.I.S.S. (Diameter Indexed Safety System) gas specific check valves
- Vacuum service tubes and oxygen/air tubes are copper

SIZES

Horizontal Units

- Heights - 16", 24", 32" (406 mm, 610 mm, 813 mm)
- Widths - 60", 72", 84", 96", 108", 120" (152 cm, 183 cm, 213 cm, 244 cm, 274 cm, 305 cm)
- Depths - On-wall: 5" (12.7 cm); in-wall: 3 5/8" (9.21 cm) or 6" (15 cm)

Vertical Units

- Widths - 16", 24", 32" (406 mm, 610 mm, 813 mm)
- Heights - 60", 72", 84", 90", 96", 102", 108" (152 cm, 183 cm, 213 cm, 229 cm, 244 cm, 259 cm, 274 cm)
- Depths - On-wall: 5" (12.7 cm); in-wall: 3 5/8" (9.21 cm) or 6" (15 cm)

Note: The 60" (152 mm) and 72" (183 mm) widths are in-wall single-sided or double-sided only.

COLORS, FINISHES

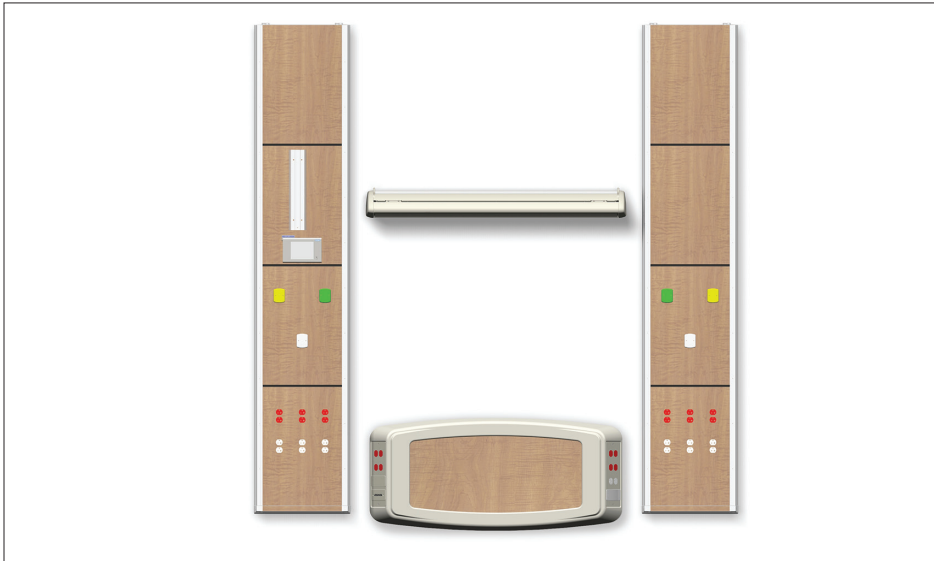
Front surfaces of the Basis Headwall System panels are available with a selection of HPL finishes:

- Formica
- Nevamar
- Wilsonart
- Pioneer
- Laminart

Metal trim and end caps are finished in natural anodized aluminum.

Basis® Headwall System (P2102A)

TECHNICAL DATA SHEET



Basis Vertical with Integris® Light and Bed Locator

BENEFITS

- Configured to meet environmental requirements of the room, from ICU to Med-Surg
- Communication, electrical and medical gas services are integrated within the headwall system
- Clinical services and nursing features can be designed to increase functionality and reduce reaching and bending
- Easy to remove panels simplify inspection and accessibility
- Outlets, space and connectivity provisions accommodate a range of diverse clinical technologies
- Interfaces to many brands and makes of hospital beds, stretchers, nurse call systems and accessories
- Range of design materials and finishes lessen the institutional feel of the hospital room and create a more comforting and healing patient experience

LIMITATIONS

Availability of the Basis™ Headwall System can be limited in certain applications by one or more of the following:

- Ceiling height requirements
- Panel width and height requirements
- In-wall option cannot be a load bearing wall, fire-rated wall, smoke-rated wall or positive/negative pressured room
- Unit cannot be mounted to the floor
- Payload per accessory rail is 55 lb (25 kg) maximum

ACCESSORIES, OPTIONS

- Access arm, LH
- Access arm, RH
- Arm, light incandescent
- Basket, 6 1/2" x 4" x 5"
- Basket, 11" x 4" x 4"
- Basket, 18" x 9 1/2" x 4"
- Basket, aneroid
- Basket, stackable
- Basket, swivel
- Bottle, slide
- Charting shelf
- Cuff basket with mount
- ISS transfer pole
- ISS transfer pole mount
- IV/resuscitator hook dual
- Ophthalmoscope mount
- Shelf, Mayo 13 5/8" x 9 3/4"
- Shelf, Mayo 17 1/8" x 11 5/8"
- Swivel shelf
- Swivel shelf, small
- Universal charting light with mount
- Universal holder
- Universal light mount
- Utility otoscope mount
- Universal pole holder, C-clamp
- Utility shelf
- Utility slide mount

A selection of accessories can be attached and repositioned along an accessory rail. Contact WittRock for additional information about accessories.

4. Technical Data

APPLICABLE STANDARDS

American National Standards Institute (ANSI)/
Underwriters Laboratories (UL)

- ANSI/UL 514A Metallic Outlet Boxes

American Society of Mechanical Engineers (ASME) - ASME B16.22 Wrought Copper and Copper Alloy Solder Joint Pressure Fittings

ASTM International

- ASTM B819 Standard Specification for Seamless Copper Tube for Medical Gas Systems

Compressed Gas Association (CGA)

- CGA-G-4.1 Cleaning Equipment for Oxygen Service
- CGA V-5 Diameter Index Safety System (Non-interchangeable Low Pressure Connections for Medical Gas Applications)

National Fire Protection Association (NFPA)

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

National Electrical Manufacturers Association (NEMA)

Underwriters Laboratories Inc. (UL)

- UL 94 Standard for Safety of Flammability of Plastic Materials for Parts in Devices and Appliances Testing
- UL 1047 Isolated Power Systems Equipment

APPROVALS

- UL listed

TECHNICAL PROPERTIES

- Copper vacuum service tubes are manufactured to ASTM B819 standards
- Duplex and simplex sockets are UL-listed, NEMA® style, hospital grade
- Gas service systems are assembled and tested in accordance with NFPA 99
- Gas terminal outlets are UL-listed, quick-disconnect or DISS, conforming to CGA V-5

FIRE PERFORMANCE

The Basis Headwall System meets UL fire performance requirements based on power type used and meets all applicable current NFPA 70 and NFPA 99 standards.

ENVIRONMENTAL CONSIDERATIONS

WittRock Inc. is committed to environmentally efficient manufacturing practices, designing and offering products with PVC-free decorative panels, recyclable aluminum rails, reusable frames and low-power LED lighting.

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TECHNICAL DATA SHEET



Basis On-Wall Horizontal with Integriss® Light and Bed Locator

5. Installation

PREPARATORY WORK

Deliver products in manufacturer's original, unopened, undamaged containers, with identification labels intact. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

METHODS

All headwall modules are pre-assembled, with specified options installed at the factory. The contractor will install all modules in accordance with as-built drawings and all national, state and local codes.

CONSIDERATIONS

The Basis™ Headwall System must be configured based on the loading of specified services and medical devices that will be connected, taking into consideration an ergonomic reach zone of 18" - 72" (457 - 1829 mm) from the floor.

The recommended vertical and horizontal spacing of specified services and medical devices that will be connected is:

- Rows of outlets or devices - 6" (15 cm) vertical
- In-line gas outlets - 18" (46 cm) vertical
- Gas outlets - 4 1/2" (11.43 cm) horizontal
- Electrical devices - 1 7/8" (4.6 cm) horizontal

BUILDING CODES

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

6. Availability & Cost

Products are available directly from the manufacturer, with an average 8-week lead time from order confirmation. Contact WittRock Inc. for cost and local availability information.

7. Warranty

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

8. Maintenance

The Basis Headwall System requires an effective maintenance program. The manufacturer recommends performance of preventive maintenance (PM) and testing for Joint Commission requirements. PM and testing will help ensure a long, operative life for the Basis Headwall System and will minimize downtime due to excessive wear. Complete preventive maintenance instructions are available from the manufacturer. For details, consult WittRock Inc.

9. Technical Services

Customer service, technical support and troubleshooting are available through toll-free telephone consultation. Contact WittRock Inc. for technical assistance, product literature, test results, project lists, assistance in the preparation of project specifications and arrangements for application supervision.