



PROVIDER PLUS®



PRODUCT DESCRIPTION

The Provider Plus® is a UL-listed, surface-mounted, horizontal modular services assembly. This system uses one or more horizontal component tiers to conveniently locate services such as medical gas, electrical and communications.

Horizontal channels are an integral part of the horizontal tier assembly and are flush with the front face of the unit. The lower channel surface is flat and smooth to facilitate ease of cleaning. The Provider Plus consists of two types of units: the Provider Plus PC and the Provider Plus AC. The Provider Plus PC has channels that are powder coated in a “Surf” or “Platinum Grey” color, and are removable to allow replacement as necessary. The Provider Plus AC has clear anodized aluminum channels that are non-removable.

Horizontal channel accessories are available in a sufficient variety to meet the needs of typical hospital applications. One of the available accessories is a horizontal channel bracket that automatically locks in place. This bracket includes a plastic locking pad to protect the surface finish of the channel and is designed for one-hand operation. All accessories are as called for on the project drawings.

The vertical service chase, if required, provides for concealment of incoming electrical and medical gas piping (supplied by others). Each chase includes a decorative removable front access panel designed to conceal service piping. Service chases are also capable of containing vertical equipment tracks to accept manufacturer’s standard adaptors and accessories. Vertical service chase tracks are designed to accept adaptors at any location along the track without the use of insertion slots, and are designed to facilitate ease of cleaning. Vertical service chase tracks and accessories are as indicated on project drawings.

Horizontal component tiers are designed to accept standard-depth components such as medical gas outlets, clocks, nurse call stations, electrical plugs, light switches, etc. The top of each horizontal tier includes an integral mounting flange with a sloped, removable, decorative extruded aluminum trim panel to conceal the upper mounting hardware. This trim panel snaps into place without the use of tools.

CONSTRUCTION

Horizontal Component Tier

Horizontal component tiers are constructed of heavy-gauge anodized aluminum profiles. Equipment channels have either a powder coated finish in “Surf” or “Platinum Grey”, or have a clear anodized aluminum finish. The powder coated channels are removable; the clear anodized aluminum channels are not removable.

Component Fascia

Aluminum or steel with a high-pressure laminate finish. Device plates are powder coated aluminum.

Access Panels (if required)

Decorative high pressure laminate over fire retardant, high density particle board core with high-pressure laminate backer.

Vertical Service Chase (if required)

Extruded aluminum with powder coated finish. Access panel as indicated above.

MEDICAL GAS CONNECTIONS

Piping

Medical gas outlets are pre-manifolded using Type “L” copper in accordance with NFPA 99 and terminate at the end of each horizontal component tier, or as otherwise indicated on the project drawings. All joints are made with a silver brazing alloy with a melting point of at least 1000°F. Tubing ends are securely capped and properly identified. To prevent galvanic corrosion, all copper tubing is protected from contact with dissimilar metals.

Medical Gas Outlets

Outlets are to be the type and style as called for on the project drawings.

ELECTRICAL CONNECTIONS

Wiring Line Voltage

Each horizontal component tier is completely pre-wired with service connections terminating at the center of each unit, at the end of a service chase (if one is used), or as otherwise indicated on the project drawings.

Low-Voltage Provisions

Provisions for low-voltage communication devices consists of backboxes or barriered compartments. Communication devices and wiring are to be supplied and installed by others. These devices include nurse call, television outlets, code blue, telephone outlets, monitor jacks, etc.

Devices

Hospital-grade power receptacles, ground jacks, switches, etc., are as indicated on the project drawings.

INSTALLATION

Installation of the product includes receiving, storage, erection, wall bracing, clean-up, touch-up, carton disposal, etc. All necessary installation materials are to be supplied by the contractor to include such items as tools, fasteners, caulking and electric lamps not supplied by the manufacturer.

The electrical contractor is responsible for all electrical hook-up at service connection locations, as well as interconnect wiring on multi-section units. All hardwired light fixtures are to be installed, wired and lamped by this contractor. After the installation is complete, the electrical contractor is to test equipment function, including electrical receptacles and grounding, in accordance with NFPA requirements.

The medical gas contractor is responsible for piping and connection of all medical gas services which terminate in each horizontal component tier, as well as connection of piping between units. The medical gas contractor is also responsible for purging, pressure testing, gas identification and system certification in accordance with NFPA 99.

Accessory items are to be installed in accordance with the manufacturer's instructions and under the direction of the hospital.



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