



CIRRUS™



GENERAL CONSTRUCTION

The Cirrus™ is a horizontal ceiling-mounted unit designed to deliver medical gases, electrical outlets and equipment management without using valuable floor space. This product functions well in combination with a headwall or column, providing additional outlets for increased functionality while organizing the work area to increase safety and efficiency.

Chassis

Cirrus units are constructed of 6063-T5 alloy continuous extruded aluminum. Each section includes a continuous raceway for the installation of various medical gas and electrical services. All components are barriered within individual compartments to segregate services within the same section. These units will accommodate a maximum of two types of electrical services along with the medical gas piping. All exposed aluminum surfaces have a powder coated finish that matches Formica #923 "Surf". Provider™ channels run along the length of each side of the unit, and are used for the attachment of various devices.

Vertical Supports

The Cirrus unit is attached at each end by a suspension support extending from the top of the unit into the ceiling space above. The suspension support is constructed of 2" tubing and a mounting plate. Each mounting plate has four 9/16" holes on a 12" square pattern for attachment to hanger rods from the structure above (hanger rods, nuts and lock washers to the structure above are provided by others).

A service chase is provided from the center of the unit to the ceiling line for the routing of services from the unit into the ceiling space above. Flanges are provided at the top of each suspension support and the service chase to trim the unit with the ceiling above.

MEDICAL GAS OUTLETS

The medical gas outlets are typically provided in the style matching those currently being used in the facility so that the suction/oxygen therapy equipment currently being used will be compatible. Outlet types available include Latch-Key Style Quick Connect (Chemetron), Diamond Style Quick Connect (Medaes/Ohmeda), Geometric Style Quick Connect (Puritan Bennett), and DISS Style Threaded Type.

Medical gas outlets are pre-manifolded with type "L" medical copper tubing and terminate where indicated on project drawings. See project drawings for tubing diameters at termination points.

Prior to manifolding, all tubing and fittings are cleaned, rinsed and dried in accordance with NFPA 99. 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.

ELECTRICAL CONNECTIONS

Units are completely pre-wired with all service connections terminating in barriered compartments, as indicated on the project drawings. Line voltage current carrying conductors are type THHN stranded copper for normal and emergency power circuits. All wiring complies with NFPA 70 as minimum standards, and all electrical components are UL-listed. The Cirrus unit is listed as a prefabricated assembly.

A copper ground bus is provided in the service connection compartment that will accept #6 to #14 AWG grounding conductors. All power receptacles have a #10 copper ground conductor attached to the ground screw of the receptacle and the ground wire tie point to ensure that the structure is not used as the sole ground path between the power receptacles and the ground bus. Additional buses within the unit are provided as necessary for ground wire tie points.



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