

Series B Medical Gas Outlet Medaes Pin Index Key Style

SPECIFICATION

Medaes Diamond Medical Gas Wall Outlet

The pin index medical gas outlets are gas specific for the services indicated and accept only corresponding pin index adapters. The outlets are UL listed, CSA certified, and are fully compliant with the latest edition of NFPA 99. All outlets are 100% tested for flow, leaks and connector attachment. The outlets are cleaned for oxygen service in the manufacturing process. The outlets are made in the U.S.A.

Outlet Design

A complete medical gas outlet consists of a gas specific rough-in assembly for installation before the wall or console is completed. A matching gas specific latch valve assembly and trim plate are installed after the finish is complete.

Rough-in Assembly

The rough-in assembly is of modular design and includes a gas specific 16 gauge steel mounting plate. Wall versions permit on site ganging of multiple outlets, in any order, on 5" (12.7cm) centerline spacing. A 3/8" (9.5 mm) high metal flange around the outlet opening provides a plaster barrier. A temporary cover is provided to keep debris out of the outlet during installation. Console rough-ins fit standard electrical box cutouts and screw locations.

A machined brass outlet block is permanently attached to the rough-in plate to permit the 1/2" OD (3/8" nominal), type K copper inlet tube to swivel 360° for attachment to the piping system.

Gas service identification is affixed to the inlet tube and the face of the rough-in plate. A secondary valve is installed in the outlet block of the rough-in assembly (except vacuum and WAGD) for both pressure testing and preventing gas flow when the latch valve assembly is removed for service.

The outlet block contains a double seal to prevent gas leakage between the rough-in and latch valve assemblies after the wall is finished. Outlets using a single o-ring seal are not acceptable.

Latch Valve Assembly

The latch valve assembly includes a captured o-ring seal primary valve, is gas specific for the labeled service, and accepts only hose and apparatus with corresponding pin index adapters. The latch valve assembly is indexed to the corresponding rough in assembly to avoid accidental cross connection and self adjusts up to 3/4" (1.9 cm) to allow for variation in finished wall thickness from 1/2" (12.5 mm) up to 1-1/4" (3.175 cm).

Trim Options

Either a die cast, light gray, epoxy powder-coated trim plate or a smaller plastic trim plate can be provided to trim each outlet. A hook plate with a retractable arm can also be provided to trim each outlet. The die cast plate and hook plate are designed specifically to fill the space between adjacent outlets. The finish of the hook plate is treated with Biomaster, an additive that has been shown to reduce bacteria growth. All trim plates allow latch valves to be individually removed for servicing.

•*Disclaimer: Use of this product does not protect user from disease-bearing and food-borne pathogens.

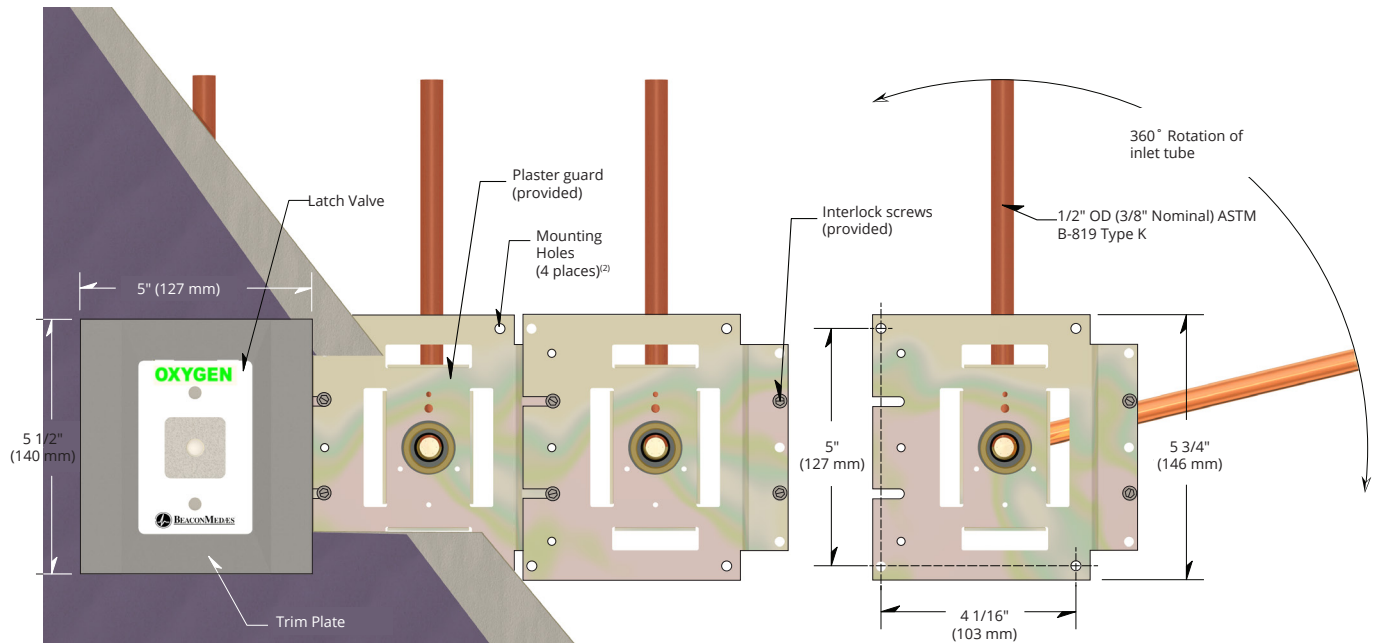
Pin Index Outlets (Note that a typical complete outlet consists of one Rough-in, one matching Latch Valve and one Trim Plate - Standard (325161-00) or Hook Plate (4107 2205 71))						
Gas Service	Color Code (Background/Text)	Complete Assembly, Wall Outlet (Standard Trim Plate)	Complete Assembly, Wall Outlet (Hook Trim Plate)	Rough-in Assembly, Wall Outlet	Rough-in Assembly, Console Outlet	Latch-Valve Assembly, Wall or Console
Oxygen	White/Green	<input type="checkbox"/> 121030-00	<input type="checkbox"/> 121030-01	<input type="checkbox"/> 233110-00	<input type="checkbox"/> 233010-00	<input type="checkbox"/> 230940-00
Nitrous Oxide	Blue/White	<input type="checkbox"/> 121031-00	<input type="checkbox"/> 121031-01	<input type="checkbox"/> 233111-00	<input type="checkbox"/> 233011-00	<input type="checkbox"/> 230941-00
Medical Air	Yellow/Black	<input type="checkbox"/> 121032-00	<input type="checkbox"/> 121032-01	<input type="checkbox"/> 233112-00	<input type="checkbox"/> 233012-00	<input type="checkbox"/> 230942-00
Vacuum	White/Black	<input type="checkbox"/> 121033-00	<input type="checkbox"/> 121033-01	<input type="checkbox"/> 233113-00	<input type="checkbox"/> 233013-00	<input type="checkbox"/> 230943-00
WAGD	Purple/White	<input type="checkbox"/> 121036-00	<input type="checkbox"/> 121036-01	<input type="checkbox"/> 233119-00	<input type="checkbox"/> 233019-00	<input type="checkbox"/> 230946-00
Medical Air (ISO)	White-Black/Black- White	<input type="checkbox"/> 151032-00	<input type="checkbox"/> 151032-01	<input type="checkbox"/> 233116-00	<input type="checkbox"/> 233016-00	<input type="checkbox"/> 230947-00
Vacuum (ISO)	Yellow/Black	<input type="checkbox"/> 151033-00	<input type="checkbox"/> 151033-01	<input type="checkbox"/> 233117-00	<input type="checkbox"/> 233017-00	<input type="checkbox"/> 230948-00

Accessories (Note good design provides one slide with each vacuum)			
Slide (Wall outlet style, Complete)	<input type="checkbox"/> 120978-00	Duplex Electrical Receptacle* (Gray 15A, 125V, Wall outlet style, Complete)	<input type="checkbox"/> 120972-00
Slide (Surface mount style)	<input type="checkbox"/> 135012-00	Trim Plate, Wall (Large) Style	<input type="checkbox"/> 325161-00
Blank, Gas (Complete with RI and finish)	<input type="checkbox"/> 120979-00	Trim Plate, Console (Small) Style	<input type="checkbox"/> 616358-00
Blank, Gas (Cover plate only)	<input type="checkbox"/> 415169-00	Series B Outlet Hook Plate	<input type="checkbox"/> 4107 2205 71

*See specification sheet SSB-840-13 for additional electrical receptacles.



Dimensions and Installation



⁽¹⁾ When wallboard is less than 1/2" / 12.5 mm thick, as in consoles and headwalls, console outlets should be considered.

⁽²⁾ Plates may gang together in any length. Up to three may be ganged without additional support, however, top and bottom support is always recommended. Total finished length will be 5" / 127 mm x number of outlets in the gang (e.g. three outlets = 5 x 3 = 15").

