

## DiamondCare® Recessed Wall Outlet Pin Index Quick-Connect Key Style SPECIFICATION

### Quick Connect Medical Gas Wall Outlet

The DiamondCare® Recessed Wall Outlet, available in a Pin Index Quick-Connect Key Style (Diamond Key Style), is gas specific for the services indicated and accepts only corresponding pin index adapters. The outlets are UL listed and are fully compliant with the latest edition of NFPA 99. All outlets are pressure tested and 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 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. The mounting plate includes mounting flanges on all four sides, a ½" (12.7 mm) raised plaster strike, and a non-removable, positive, pin-keying arrangement for each specific gas service. Identification of each gas service is permanently cast into the backplate. The wall outlets permit on site ganging of multiple outlets, in any order. A temporary cover is provided to keep debris out of the outlet during installation.

All pressure gas services contain a fully assembled secondary check, completely serviceable from the front. This check prevents gas flow when the finish assembly is removed for maintenance or service. Vacuum and WAGD services do not have secondary check valves, according to NFPA 99 standards. A machined brass outlet block is permanently attached to the rough-in plate to permit the 7" (18 cm) long, ½" (12.7 mm) O.D., type K copper inlet tube to swivel 360° for attachment to the piping system. The inlet tube contains a label identifying the specific gas by name and color.

### Latch Valve Assembly

The latch valve assembly consists of a front-body keying disc assembly and a detachable barrel assembly. The keying disc assembly includes a gas-specific, positive, pin-keying device that is color-coded and labeled with the name of the gas service. The front-body keying disc is constructed of a specialized polymer which has excellent chemical resistance, is UV stabilized, and incorporates Biomaster, an additive that has been shown to reduce bacterial growth.\* The detachable barrel assembly includes a plastic piston and brass primary check valve that engage and seal when a hose adapter or patient treatment device is removed from the outlet.

### Trim Options

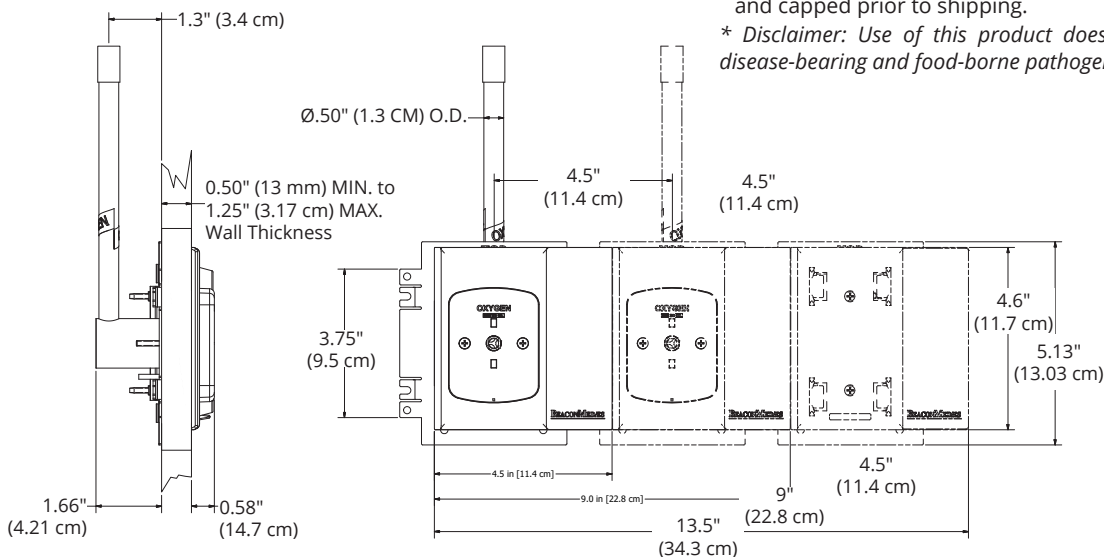
Wall outlets feature die cast, light neutral, epoxy powder-coated trim plates. A hook plate with a retractable arm is available to trim each outlet. The standard trim plate and optional hook plate are designed specifically to fill the space between adjacent outlets. The finish of each trim plate is treated with Biomaster, an additive that has been shown to reduce bacteria growth.\* All trim plates allow latch valves to be individually removed for servicing.

### Features

- Keying discs polymer designed for excellent chemical resistance including quaternary disinfectant cleaners.
- Keying discs are UV stable.
- Keying discs are infused with Biomaster, an additive that has been shown to reduce bacterial growth.\*
- Unique, twist-lock barrel cartridge design (patent pending) permits quick replacement of the primary check valve without special tools.
- Keying discs and labels are gas-specific and color-coded.
- Flush, interlocking, rough-in flanges and proprietary dust shield/purging covers are installation-friendly.
- Outlets are listed by UL and CSA®, and manufactured in accordance with applicable NFPA 99, CGA, and CSA® standards.
- All outlets are cleaned for oxygen service, pressure-tested, and capped prior to shipping.

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

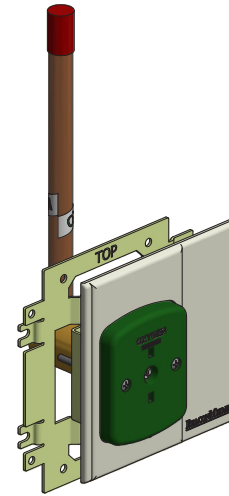
### Product Dimensions



**Ordering Information**

Order a DiamondCare® Recessed Wall Outlet as a complete assembly (rough-in, latch valve, and trim plate), or as individual assemblies. Each rough-in and latch valve assembly is individually packaged.

Quick Connect Medical Gas Wall Outlet				
Gas Service <sup>1</sup>	Pin Index Key Style Complete Assembly <sup>2</sup>	Pin Index Key Style Finish Assembly Only <sup>3</sup>	Rough-in Assembly Only	
Oxygen	<input type="checkbox"/> 6803-8121-100	<input type="checkbox"/> 4107 2146 00	<input type="checkbox"/> 4107 2234 00	
Nitrous Oxide	<input type="checkbox"/> 6803-8121-101	<input type="checkbox"/> 4107 2146 01	<input type="checkbox"/> 4107 2234 01	
Vacuum	<input type="checkbox"/> 6803-8121-102	<input type="checkbox"/> 4107 2146 03	<input type="checkbox"/> 4107 2234 02	
Medical Air	<input type="checkbox"/> 6803-8121-103	<input type="checkbox"/> 4107 2146 02	<input type="checkbox"/> 4107 2234 03	
WAGD <sup>4</sup>	<input type="checkbox"/> 6803-8121-106	<input type="checkbox"/> 4107 2146 04	<input type="checkbox"/> 4107 2234 06	
Slide	<input type="checkbox"/> 6803-8030-275	<input type="checkbox"/> 4107 2011 76	<input type="checkbox"/> 4107 2235 86	



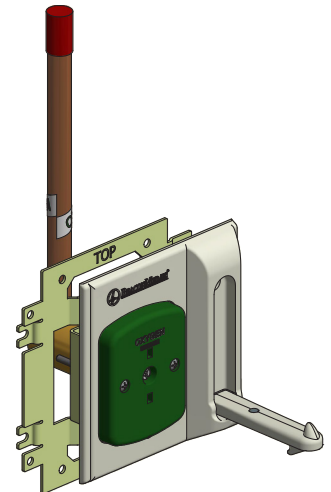
Complete Assembly with Standard Trim Plate

**Notes:**

1. ISO labeled confirmations are also available.
2. Complete assembly includes Latch Valve Assembly with Standard trim plate (Finish Assembly) and Rough-in.
3. Finish Assembly includes Latch Valve Assembly with standard trim plate.
4. WAGD: Waste Anesthetic Gas Disposal (formerly Evacuation).
5. CO<sub>2</sub>, N<sub>2</sub>, Instrument Air, and O<sub>2</sub>/CO<sub>2</sub> services are available in DISS Key Style.

For more information, contact BeaconMedaes Customer Service.

Quick Connect Medical Gas Wall Outlet with Hook Trim Plate				
Gas Service <sup>1</sup>	Pin Index Key Style Complete Assembly <sup>2</sup>	Pin Index Key Style Latch Valve Assembly Only <sup>3</sup>	Rough-in Assembly Only	Hook Trim Plate Only
Oxygen	<input type="checkbox"/> 6803-8121-100HP	<input type="checkbox"/> 4107 2146 34	<input type="checkbox"/> 4107 2234 00	<input type="checkbox"/> 4107 2231 53
Nitrous Oxide	<input type="checkbox"/> 6803-8121-101HP	<input type="checkbox"/> 4107 2146 35	<input type="checkbox"/> 4107 2234 01	<input type="checkbox"/> 4107 2231 53
Vacuum	<input type="checkbox"/> 6803-8121-102HP	<input type="checkbox"/> 4107 2146 37	<input type="checkbox"/> 4107 2234 02	<input type="checkbox"/> 4107 2231 53
Medical Air	<input type="checkbox"/> 6803-8121-103HP	<input type="checkbox"/> 4107 2146 36	<input type="checkbox"/> 4107 2234 03	<input type="checkbox"/> 4107 2231 53
WAGD <sup>4</sup>	<input type="checkbox"/> 6803-8121-106HP	<input type="checkbox"/> 4107 2146 38	<input type="checkbox"/> 4107 2234 06	<input type="checkbox"/> 4107 2231 53



Complete Assembly with Hook Trim Plate

**Notes:**

1. ISO labeled confirmations are also available.
2. Complete assembly includes Latch Valve Assembly, Rough-in, and Hook trim plate.
3. Latch Valve Assembly includes Latch Valve only, no trim plate.
4. WAGD: Waste Anesthetic Gas Disposal (formerly Evacuation).