

Gemini Quick-Connect and DISS Medical Gas Outlets Wall/Ceiling and Console Styles

SPECIFICATION

Gemini Medical Gas Outlet

Gemini Medical gas outlets are designed to be interchangeable with Ohio®/Ohmeda®/Medæs® Diamond II® and Diamond III® medical gas outlets and accept only Diamond style pin indexed adapters. Outlets are fully compliant with the latest edition of NFPA 99, UL listed, and are 100% tested for leaks. Outlets are cleaned for oxygen service.

Outlet Design

A complete outlet consists of a rough in, permanently installed in the wall, ceiling, or manufactured assembly and a matching gas specific finish assembly. Wall and ceiling outlet dress plates are integral to the finish assembly. Console style outlets do not include dress plate (supplied by manufactured assembly manufacturer).

Rough-in Assembly

Outlets are fixed to building structure via a die cast mounting plate with mounting flanges on all four sides, which interlock and are attached with 10 24 hex head screws to form single unit for installation. A 1/2" (13 mm) raised plaster flange is provided.

The rough in includes a brass secondary check mounted to the die cast plate. The secondary check consists of a single integral neoprene seal serviceable from the front, brass valve body and internal stainless steel (vacuum) or phosphor bronze (pressure gases) spring.

A 7" (178 mm) inlet tube is silver-brazed to the brass check body. Inlet tube rotates 360° with or without the finish installed to simplify installation. Free rotation is restrained for positioning during installation.

Finish Assembly

Outlet finish assemblies are a single unit keyed for gas specificity with a non removable pin to a corresponding hole in the rough in. Gas identification is by means of a color coded Circular keying disk and by a color coded identification label which is physically part of the latch mechanism. Label is color-coded and marked with gas name in a contrasting color per NFPA 99 or ISO 7396.

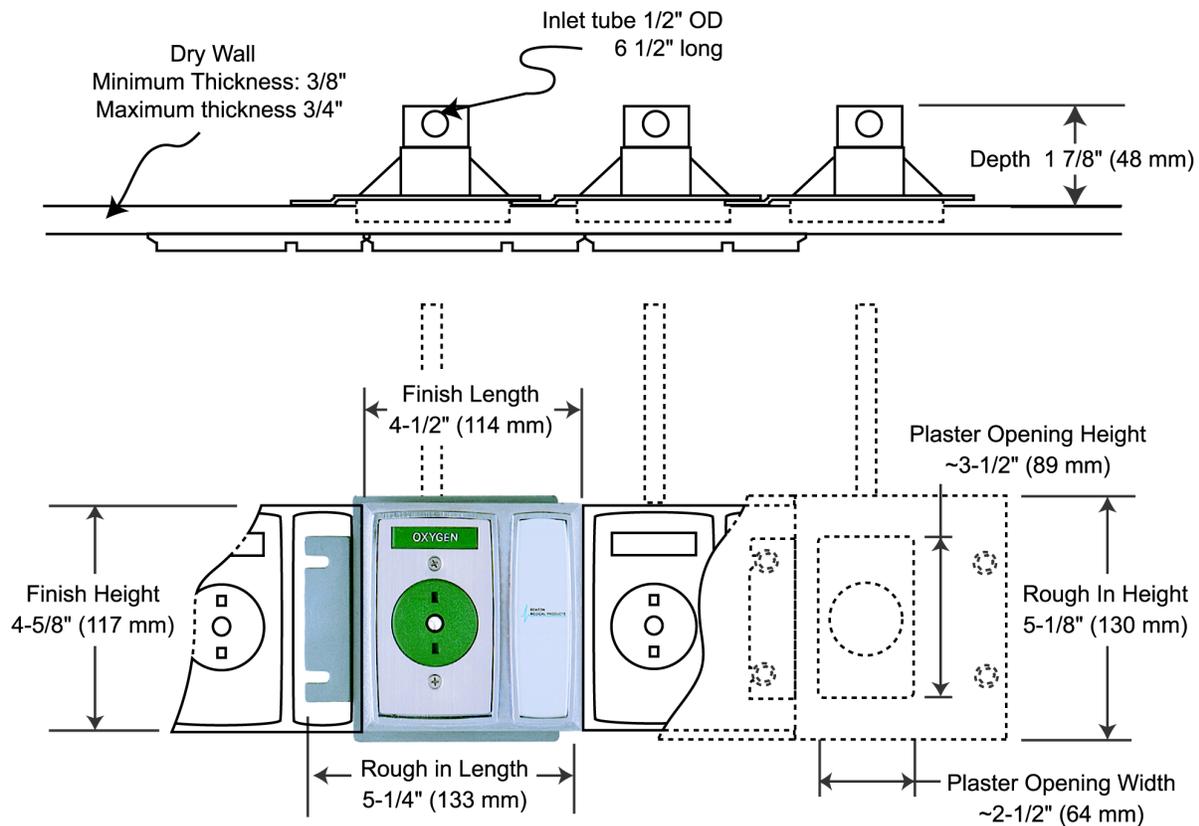
Interchangeability

Gemini outlets are fully interchangeable with Diamond III outlets manufactured prior to 2001. A small modification can be made to upgrade Diamond II outlets to either Diamond III or Gemini, and the same modification works for either. Internal parts will fit and operate, as did the original manufacturer's parts. Appearance is similar to minimize visual dissonance in finished installations. Operation and repair procedures are comparable.

Concealed Wall Outlet				
Item	Gas Service	Color Code	Rough-In Assembly	Finish Assembly
Wall/Ceiling Quick Connect	O ₂	Green	<input type="checkbox"/> 234510-00	<input type="checkbox"/> 234610-00
	N ₂ O	Blue	<input type="checkbox"/> 234511-00	<input type="checkbox"/> 234611-00
	AIR	Yellow	<input type="checkbox"/> 234512-00	<input type="checkbox"/> 234612-00
	VAC	White	<input type="checkbox"/> 234513-00	<input type="checkbox"/> 234613-00
	WAGD	Purple	<input type="checkbox"/> 234519-00	<input type="checkbox"/> 234619-00
Console Quick-Connect	O ₂	Green	<input type="checkbox"/> 234410-00	<input type="checkbox"/> 234810-00
	N ₂ O	Blue	<input type="checkbox"/> 234411-00	<input type="checkbox"/> 234811-00
	AIR	Yellow	<input type="checkbox"/> 234412-00	<input type="checkbox"/> 234812-00
	VAC	White	<input type="checkbox"/> 234413-00	<input type="checkbox"/> 234813-00
	WAGD	Purple	<input type="checkbox"/> 234419-00	<input type="checkbox"/> 234819-00
Wall/Ceiling DISS	O ₂	Green	<input type="checkbox"/> 234510-00	<input type="checkbox"/> 234710-00
	N ₂ O	Blue	<input type="checkbox"/> 234511-00	<input type="checkbox"/> 234711-00
	AIR	Yellow	<input type="checkbox"/> 234512-00	<input type="checkbox"/> 234712-00
	VAC	White	<input type="checkbox"/> 234513-00	<input type="checkbox"/> 234713-00
	N ₂	Black	<input type="checkbox"/> 234514-00	<input type="checkbox"/> 234714-00
	WAGD	Purple	<input type="checkbox"/> 234519-00	<input type="checkbox"/> 234719-00
	CO ₂	Gray	<input type="checkbox"/> 234520-00	<input type="checkbox"/> 234720-00
Accessories	Vacuum Slide		<input type="checkbox"/> 234500-00	<input type="checkbox"/> 234600-00
	Blank Outlet		<input type="checkbox"/> 234500-00	<input type="checkbox"/> 234601-00

Medæs® and Diamond® are trademarks of Hillenbrand Industries

Ohio® and Ohmeda® are trademarks of Datex-Ohmeda

Gemini Quick-Connect and DISS Medical Gas Outlets Assembly

Dimensions

Outlet Center to Center: 4-1/2" (114 mm)

Depth in wall from back of plaster: ≈ 1-3/4" (45mm)

Overall Lengths			
Number of Outlets	Rough-In	Plaster Opening	Finish
1	5-1/4"	3-1/2" H X 2-1/2" W	4-1/2"
2	9-3/4"	3-1/2" H X 7" W	9"
3	14-1/4"	3-1/2" H X 11-1/2" W	13-1/2"
4	18-3/4"	3-12" H X 16-34" W	18"