

**Submittal Data Sheet**

**Features and Benefits:**

The Frontall™ DISS medical gas recessed outlets represent the most technically advanced means of providing medical gas connections to the central piping system. The outlets incorporate a unique patented **front-loaded** feature which makes the Tri-Tech Medical outlets **easy to repair**, saving valuable time and money for the health care facility.

- **Five-year parts and one year labor limited warranty\***
- U L Listed to UL 1331 and CSA Z9170-1.
- Conforms to NFPA 99 and CGA standards
- Gas specific DISS outlet body
- Ease of maintenance without removing the nameplate assembly using a cartridge insertion tool.
- Compensates for variation in wall thicknesses from 1/2” to 1 1/4”
- Modular design
- 5” centers
- Pin indexed nameplate assembly and back
- Removable front nameplate assembly
- All outlets are 100% tested for flow and leaks
- 360° swivel inlet tube
- Metal back and nameplate
- Nameplate color coding per NFPA 99
- Strength of connections eliminates unintended disconnects and provides support for dispensing equipment without the use of additional brackets
- Made in the U.S.A.

\*See Terms and Conditions, Document No. 99-0477, on our website at: [www.tri-techmedical.com](http://www.tri-techmedical.com) for complete details

**Specification**

The medical gas wall outlets shall be Tri-Tech Medical Frontall™ DISS medical gas outlets. The outlets shall be modular singles, and shall incorporate nameplate color-coding in accordance with NFPA 99. The single modular outlets shall be of a design that provides for ganging of rough-in plates in the field to form multiples. The gas services shall be sequentially arranged and located as shown on the plans with a minimum centerline spacing of 5 inches (12.7cm) between outlets.

The medical gas outlets shall be designed so that, once installed, routine service of both the primary and secondary check valves can be accomplished **without** removing the nameplate assembly or gas specific portions. The primary check valve shall be unitized and of the cartridge type. So that the primary check valve can be removed for service without shutting off the gas supply to the outlet, the secondary check valve shall operate automatically to stop the free flow of the positive pressure gas services. There shall be no secondary check for vacuum or WAGD services.

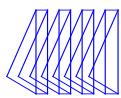


Medical gas outlets which require the removal of the nameplate assembly or gas specific components for routine service shall not be acceptable. The seal between the nameplate assembly and the rough-in shall be a double O-ring which is serviceable without shutting off the gas service and is capable of supporting 10 pounds @ 2” from the nameplate assembly without leaking.

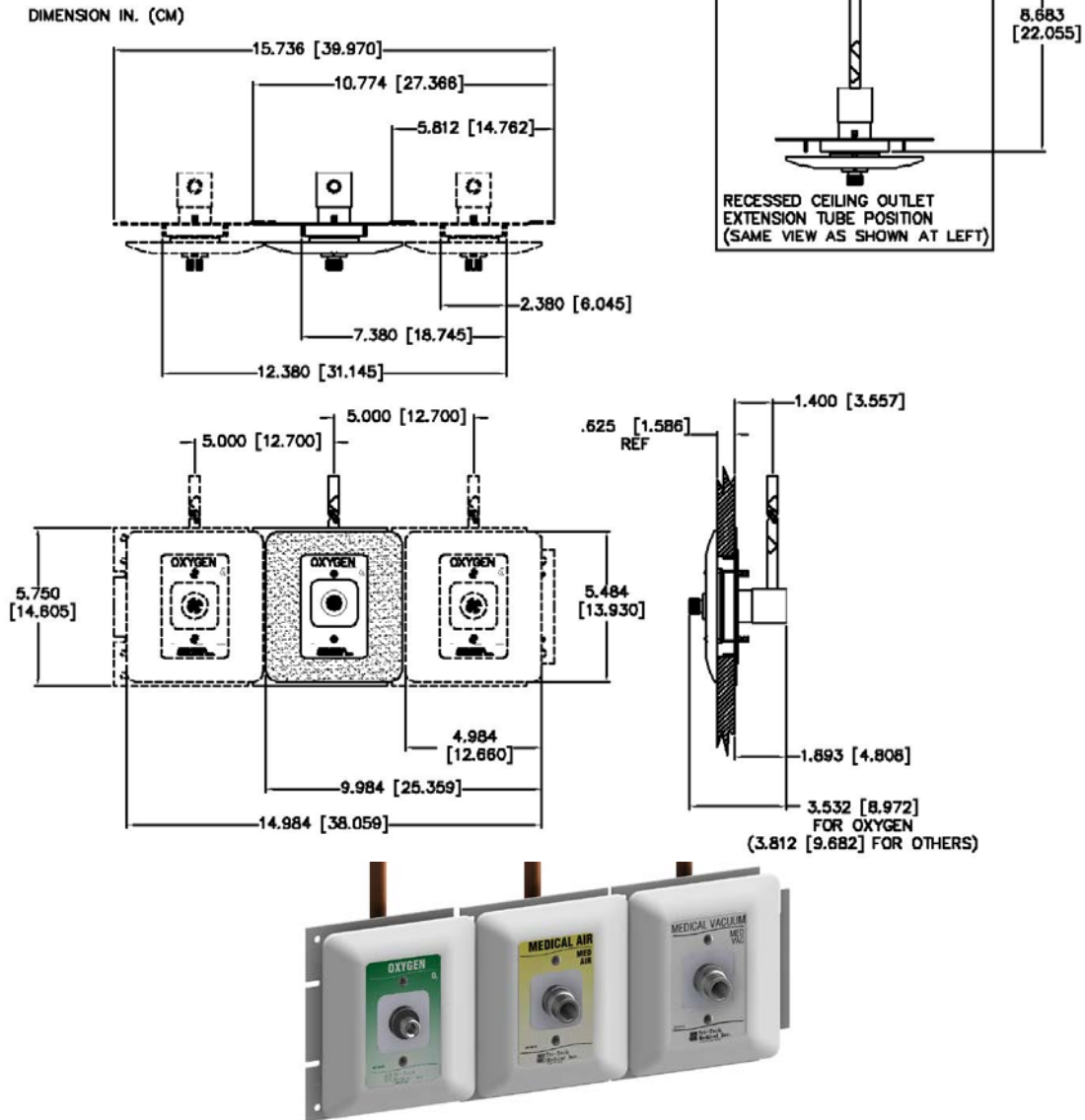
The outlet nameplate shall be permanently color-coded with a durable scratch resistant protective label. The outlet trim plate shall be Die cast aluminum, with the powder coating either white or pewter, attached with the nameplate assembly to the rough-in assembly, and provide automatic plaster adjustment from 1/2 to 1 1/4 of an inch (1.27 cm to 3.17 cm). The name of the gas service shall be permanently marked on the outlet bracket and the chrome plated brass outlet body. The outlet’s rough-in supply tube shall be a 7-inch (17.78 cm) length of 1/2 OD copper Type K, and labeled with the name of the gas service.

Medical gas outlets shall be cleaned for oxygen service in accordance with the current Compressed Gas Association (CGA) Pamphlet G-4.1, capped and placed in a protective container for shipment. The outlets shall be installed in strict accordance with manufacturer’s instructions, and tested before use in conformance with NFPA, state and local codes.

MRI compatible models are available (*See ordering information chart*) and are made with non-ferrous materials.



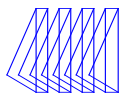
*Layout*



Ordering Information\*Indicates that these are **NOT** UL listed Outlets, Slides are not subject to UL Listing

Gas Service	Recessed Wall	Recessed Ceiling	MRI Compatible	
			Recessed Wall	Recessed Ceiling
Nitrous Oxide	DCN91XF1104	DCN91XF1204	*DCN91XF1104-MRI	*DCN91XF1204-MRI
Carbon Dioxide	DCN91XF1108	DCN91XF1208	*DCN91XF1108-MRI	*DCN91XF1208-MRI
Nitrogen	DCN91XF1112	DCN91XF1212	*DCN91XF1112-MRI	*DCN91XF1212-MRI
Medical Air	DCN91XF1116	DCN91XF1216	DCN91XF1116-MRI	*DCN91XF1216-MRI
Medical Vacuum	DCN91XF1122	DCN91XF1222	DCN91XF1122-MRI	*DCN91XF1222-MRI
Oxygen	DCN91XF1124A	DCN91XF1224A	DCN91XF1124A-MRI	*DCN91XF1224A-MRI
WAGD	DCN91XF1132	DCN91XF1232	*DCN91XF1132-MRI	*DCN91XF1232-MRI
Instrument Air	DCN91XF112080	DCN91XF122080	*DCN91XF112080-MRI	*DCN91XF122080-MRI

Slide (White)	XF1144-DC	N/A	XF1144-DC-MRI	N/A
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Gas Service	Recessed Wall	Recessed Ceiling	MRI Compatible	
			Recessed Wall	Recessed Ceiling
Nitrous Oxide	DPN91XF1104	DPN91XF1204	*DPN91XF1104-MRI	*DPN91XF1204-MRI
Carbon Dioxide	DPN91XF1108	DPN91XF1208	*DPN91XF1108-MRI	*DPN91XF1208-MRI
Nitrogen	DPN91XF1112	DPN91XF1212	*DPN91XF1112-MRI	*DPN91XF1212-MRI
Medical Air	DPN91XF1116	DPN91XF1216	DPN91XF1116-MRI	*DPN91XF1216-MRI
Medical Vacuum	DPN91XF1122	DPN91XF1222	DPN91XF1122-MRI	*DPN91XF1222-MRI
Oxygen	DPN91XF1124A	DPN91XF1224A	DPN91XF1124A-MRI	*DPN91XF1224A-MRI
WAGD	DPN91XF1132	DPN91XF1232	*DPN91XF1132-MRI	*DPN91XF1232-MRI
Instrument Air	DPN91XF112080	DPN91XF122080	*DPN91XF112080-MRI	*DPN91XF122080-MRI
Slide (Pewter)	XF1144-DCP	N/A	XF1144-DCP-MRI	

\*If ordering wall outlet Back Bodies & Nameplate Assemblies separately, use the following model numbers

Gas Service	Back Body 1/2" Tube Size Wall	MRI Compatible Back Body 1/2" Tube Size Wall	Outlet Nameplate Assemblies	MRI Compatible Nameplate Assemblies	Trim Plate Die Cast
Nitrous Oxide	XC1104-A	*XC1104-A-MRI	XF1004-A	*XF1004-A-MRI	XC1000-9DC White  XC1000-9DCP Pewter
Carbon Dioxide	XC1108-A	*XC1108-A-MRI	XF1008-A	*XF1008-A-MRI	
Nitrogen	XC1112-A	*XC1112-A-MRI	XF1012-A	*XF1012-A-MRI	
Medical Air	XC1116-A	XC1116-A-MRI	XF1016-A	XF1016-A-MRI	
Medical Vacuum	XC1122-A	XC1122-A-MRI	XF1022-A	XF1022-A-MRI	
Oxygen	XC1124-A	XC1124-A-MRI	XF1024-A	XF1024-A-MRI	
WAGD	XC1132-A	*XC1132-A-MRI	XF1032-A	*XF1032-A-MRI	
Instrument Air	XC112080-A	*XC112080-A-MRI	XF102080-A	*XF102080-A-MRI	

\*If ordering ceiling outlet Back Bodies & Nameplate Assemblies separately, use the following model numbers

Gas Service	Back Body 1/2" Tube Size Ceiling	MRI Compatible Back Body 1/2" Tube Size Ceiling	Outlet Nameplate Assemblies	MRI Compatible Nameplate Assemblies	Trim Plate Die Cast
Nitrous Oxide	XC1204-A	*XC1204-A-MRI	XF1004-A	*XF1004-A-MRI	XC1000-9DC White  XC1000-9DCP Pewter
Carbon Dioxide	XC1208-A	*XC1208-A-MRI	XF1008-A	*XF1008-A-MRI	
Nitrogen	XC1212-A	*XC1212-A-MRI	XF1012-A	*XF1012-A-MRI	
Medical Air	XC1216-A	XC1216-A-MRI	XF1016-A	XF1016-A-MRI	
Medical Vacuum	XC1222-A	XC1222-A-MRI	XF1022-A	XF1022-A-MRI	
Oxygen	XC1224-A	XC1224-A-MRI	XF1024-A	XF1024-A-MRI	
WAGD	XC1232-A	*XC1232-A-MRI	XF1032-A	*XF1032-A-MRI	
Instrument Air	XC122080-A	*XC122080-A-MRI	XF102080-A	*XF102080-A-MRI	

\*Indicates that these are **NOT UL** listed.