



MODULAR
SERVICES COMPANY

INSTALLATION MANUAL

PROFILE[®] **(SURFACE MOUNT)**

Model # Series 7000 and 7100



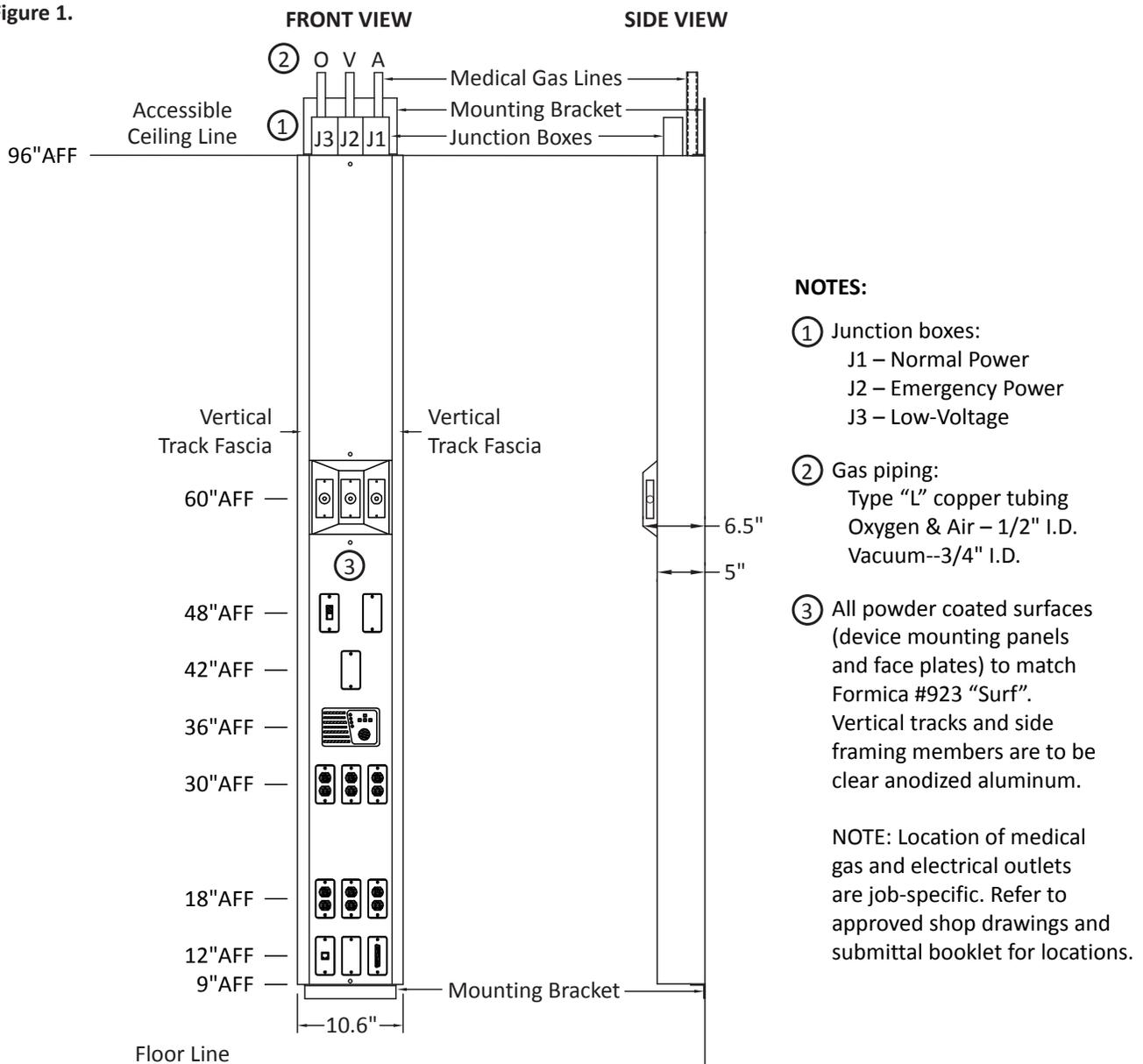
OVERVIEW

The Surface-Mount Profile® is a UL-listed, vertically oriented medical headwall assembly. The component chases accept standard-depth components such as medical gas services, normal and emergency electrical services, and communications devices. The vertical accessory tracks are integral parts of the unit, accepting adapters throughout their length to conveniently locate accessories. Figure 1 identifies various components of the unit.

Installation of the Surface-Mount Profile® is a three-step process:

1. Fasten the unit to the building wall.
2. Make the appropriate medical gas and electrical service connections and install components in provision locations.
3. Attach the unit accessories.

Figure 1.



Due to variations of interior and exterior wall construction in medical facilities, specific fasteners and actual methods of installation are not specified; therefore, the following installation instructions are general guidelines only. Read all instructions before beginning installation and highlight the sections which apply to the equipment purchased.

UNPACKING AND INSPECTION

1. Upon receipt of Surface-Mount Profile® units and prior to unpacking, inspect shipping containers for damage. Document any damage found and notify the carrier and Modular Services Company.
2. Locate the carton for the unit you wish to install. Labels at each end of the carton identify the unit type and general description of contents, as well as the room number or area of installation (if applicable).
3. Unpack unit from shipping containers, taking care not to damage unit.
4. Inspect units for defects in materials or workmanship prior to installation. It is the responsibility of the customer to report any damage or deficiencies to Modular Services immediately upon discovery.

PREPARATION

1. Review the final approved shop drawings and the submittal booklet, which will provide you with technical details specific to your installation, such as:
 - Wiring diagrams
 - Equipment types and quantities
 - Shop drawings of each type unit
 - Room numbers and locations in building (if applicable)
2. The configuration (either “as shown” or “opposite”) for each room will be noted, either on the architectural plans or on approved shop drawings. Please review these documents to ensure that units are being installed correctly.

WARNING: For installation of the Surface-Mount Profile® units, make certain walls are constructed of at least 20-gauge steel studs on 16" (41 cm) centerlines, and are covered with a minimum of 5/8" (15.9 mm) drywall. Failure to do so could cause the partition to collapse, resulting in personal injury or property damage.

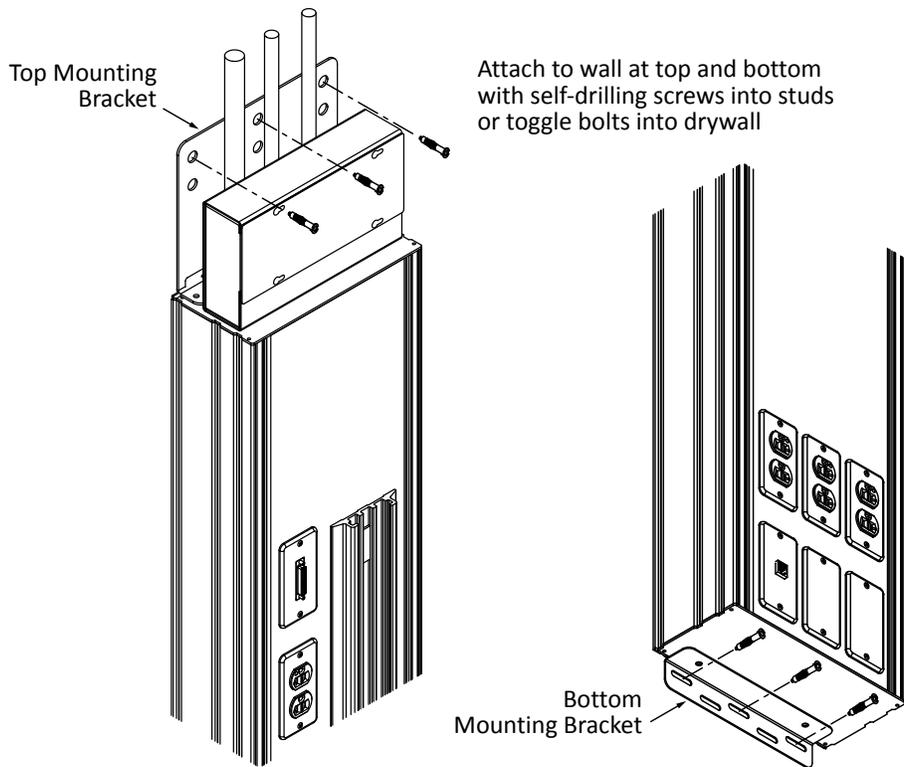
IMPORTANT: Wainscoting should not be installed behind the Surface-Mount Profile® unit. Ideally, partial wall coverings should be applied after the unit is installed. If the coverings are to be applied before installation of the Profile® unit, a section equal to the width of the unit should remain uncovered.

UNIT INSTALLATION

1. Lifting from the top center of the unit, carefully lean the Surface-Mount Profile® unit upright against the building wall.
2. Position the unit in the correct location on the building wall.
3. Ensure the sides of the unit are plumb.
4. Fasten the top and bottom mounting brackets to the building wall studs (Figure 2) using #10 or larger self-drilling screws into wall studs. Use one screw per stud in the upper and lower mounting angles.
5. Install a minimum of four additional 3/16" toggle bolts per unit.

NOTE: Installation of units for inaccessible ceilings requires that the unit’s upper component panel be removed for access to the top mounting bracket and electrical service connections.

Figure 2.



MEDICAL GAS SERVICE CONNECTIONS

Use extreme care in making medical gas service connections. Each single-point service connection has been provided with a color-coded medical gas label.

Medical gas systems provided by Modular Services have been cleaned, purged, brazed, blown down, labeled, and tested for cross connections and leaks in accordance with the most recent edition of NFPA 99. They are certified to be compliant to all of these requirements and to be leak free. The medical gas system installer is responsible for connecting this manufactured assembly to the pipeline in compliance with all applicable sections of the latest edition of NFPA 99.

During the process of connection to the pipeline there are multiple potential sources of contamination or damage to seals which could result in leaks. First, although Modular Services takes care to protect the ends of our piping system and the openings of station inlets/outlets to avoid contamination, it is at this point that these contamination prevention measures must be removed which exposes the system to the construction environment. Secondly, instrumentation must be inserted into the station inlets/outlets to properly purge the system while it is being brazed in accordance with the requirements of NFPA 99. Lastly, station inlet/outlet front body assemblies (if product is shipped with them installed), which are only rated to a maximum of 100 PSI, must be removed to conduct the initial pressure test which is required to be conducted at a minimum of 150 PSI. After this test is complete the front bodies must be reinstalled to conduct the standing pressure test.

In accordance with NFPA 99 section 5.1.12.2, the installer is required to test the distribution piping in its entirety, which includes the medical gas manifolds provided by Modular even though they have been pretested at the factory. Because of the multiple potential sources of contamination or damage to seals listed above, the installer is to be held responsible for repairing or replacing any seals which have been contaminated or damaged as a result of the process of connecting to the pipeline. The installer shall also be responsible for protecting the station inlets/outlets against contamination after the factory protection has been removed.

Modular Services warrants all defects in piping materials, brazed joints, and workmanship but cannot warrant leaking seals once the factory provided contamination prevention materials are removed from either the end of the piping or the station inlet/outlet.

ELECTRICAL SERVICE CONNECTIONS

1. Ensure all electrical power circuits are locked off prior to hook-up.
2. Review wiring diagram or shop drawings.
3. Connect electrical service according to wiring diagram, being careful to observe labeling at service connection junction boxes.
4. **IMPORTANT:** Service connections are to be made in accordance with applicable National Electrical Codes, in addition to state and local codes.

LOW-VOLTAGE PROVISIONS

Provisions have been made for the installation of such items as nurse call, telephones, televisions, heart monitors, etc., as indicated in the approved shop drawings or submittal. These devices are to be mounted directly to the component console boxes.

1. Remove the component covers and face plates, as necessary.
2. Install each device in accordance with manufacturer's instructions.
3. All electrical connections are to be made and tested in accordance with state and local codes.

CARE AND MAINTENANCE

1. Clean with mild detergent and warm water. **Do not use lubricants or oils on unit.**
2. Avoid excessive moisture build-up, as it can damage mechanisms in the unit.
3. Disinfect as required with disinfectant approved by the Environmental Protection Agency.
4. To remove difficult spots or stains, use standard household cleansers and a soft-bristled brush.
5. For parts or repairs, contact your sales representative.

INSTALLATION TERMS AND CONDITIONS

Each Modular Services unit, or unit section, shall be completely pre-wired for normal, emergency and low voltage according to the approved submittal. Communication devices and wiring shall be supplied by others. These devices include nurse call, television, code blue, telephone, monitor jacks, etc.

The customer shall be responsible for all electrical conduits (above the junction boxes), wiring hook-up of electrical services, and if applicable, interconnect wiring between sections. All hardware light fixtures shall be installed, wired and lamped by contractor. After installation is complete, the customer shall test equipment functions, as well as electrical receptacles and ground, in accordance with the National Electrical Code.

Medical gas contractor shall be responsible for piping and hook-up of all medical gas services. The medical gas contractor shall be responsible for purging, pressure testing, gas identification, and system certification in accordance with NFPA 99.

Modular Services Company shall have no responsibility or liability for delays, however caused. Owner shall hold Modular Services harmless from damages or injury related to any failure or neglect of owner, its employees, agents or licensees. Modular Services shall not be liable for consequential damages; makes no warranties, expressed or implied; and assumes no obligation other than those expressly contained herein.

WARRANTY

Modular Services Company warrants that all equipment assemblies shall be free from defects in material and workmanship for a period of 12 months from date of the owner's acceptance to the installing contractor or the date the equipment is put into service, whichever comes first. Warranty excludes electric lamps and/or any material not furnished by Modular Services. Warranty does not cover damage due to improper installation and/or abuse.

It is the responsibility of the customer to report any noted product deficiencies to Modular Services immediately upon discovery. It is the responsibility of Modular Services to expediently resolve the discrepancy. Any modification made to the product without the written authorization from Modular Services will void this warranty.

Also, in the event product modifications or repairs are made without the written consent of Modular Services, Modular Services shall not be held liable for any cost associated with the modification or repair.

There are no warranties of fitness which extend beyond the description on the face hereof.



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