



MODULAR
SERVICES COMPANY

INSTALLATION MANUAL

SecuRoom™

Products for the Behavioral Health Environment

RECESSED SECURITY CONSOLE



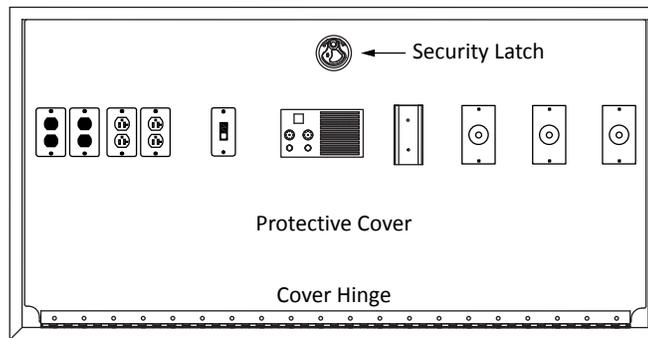
OVERVIEW

The SecuRoom™ Recessed Security Console is a medical gas services assembly which allows services to be secured behind a locked cover to limit access to the devices. The 3/8" decorative or clear polycarbonate cover has a stainless steel continuous hinge along the bottom to allow access to components for use when needed (Figure 1). Covers on 8-gang units are secured with a stainless steel locking latch. Larger units are secured by a locking stainless steel three-point latch system. Covers in closed position allow clearance for secondary equipment to remain attached and for medical gas hoses. Units are available in three sizes with up to nine gas outlets. See table below:

Model #	Description	Dimensions*
RSC-3101	8 gangs, 4 gas outlets	23"W x 22.5"H
RSC-3102	8 gangs, 4 gas outlets, with Decorative Cover	23"W x 22.5"H
RSC-3111	11 gangs, 6 gas outlets	31.25"W x 22.5"H
RSC-3112	11 gangs, 6 gas outlets, with Decorative Cover	31.25"W x 22.5"H
RSC-3121	17 gangs, 9 gas outlets	44.06"W x 22.5"H
RSC-3122	17 gangs, 9 gas outlets, with Decorative Cover	44.06"W x 22.5"H

*All units have a 6" deep can and require a 10" minimum chase wall

Figure 1.



Units are UL listed and NFPA 99 compliant, and include sound dampening material on the back of the recessed compartment.

UNPACKING AND INSPECTION

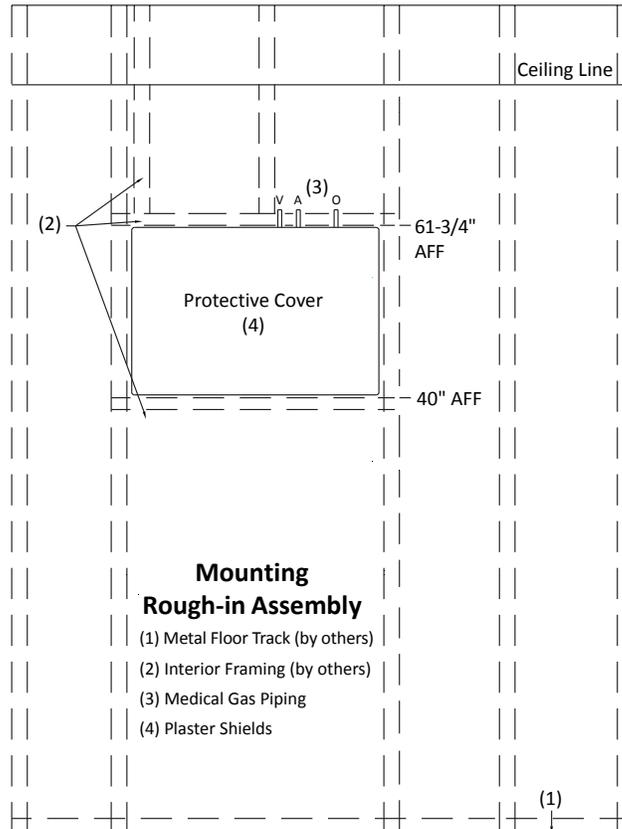
1. Upon receipt of Recessed Security Console units and prior to unpacking, inspect shipping containers for damage. Document any damage found and notify the carrier and Modular Services Company.
2. Locate the carton for the unit you wish to install. Labels at each end of the carton identify the unit type 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

Review the final approved shop drawings and the submittal booklet, which will provide you with technical details specific to your installation, such as:

- Equipment types and quantities
- Room numbers and location in the building (if applicable)
- Electrical requirements

Figure 2.



NOTE: Modular Services Company recommends that this product not be installed directly behind the patient bed due to the downward swing of the door when it is opened.

UNIT INSTALLATION

The 10" (min.) stud wall where the unit will be installed should have the interior framing (Figure 2, item 2) positioned to allow the width of the recessed console to be placed between two studs at the location required for the service locations, according to architectural requirements.

1. Remove backing plates (2) from side of unit.
2. Position unit in wall (be sure to allow space for drywall thickness) and mark location of mounting holes (4) through the 10" studs.
3. Remove unit from wall and drill 1/4" holes at marked locations.
4. Replace unit into wall and fasten to backing plates.
5. Make medical gas and electrical connections.

MEDICAL GAS SERVICE CONNECTIONS

Medical gas piping connections should be made before the installation of the drywall material, in accordance with NFPA 99. Individual terminations for each gas outlet are provided. The medical gas piping service location should be set to the thickness required for the drywall thickness and/or other wall coverings being used before actual brazing is performed.

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

Electrical devices are not pre-wired. All conduits and wiring are furnished and installed by others at jobsite. Connection of conduit runs and wiring to the electrical service console is to be made before drywall installation is performed. Once these steps are performed, drywall installation may proceed.

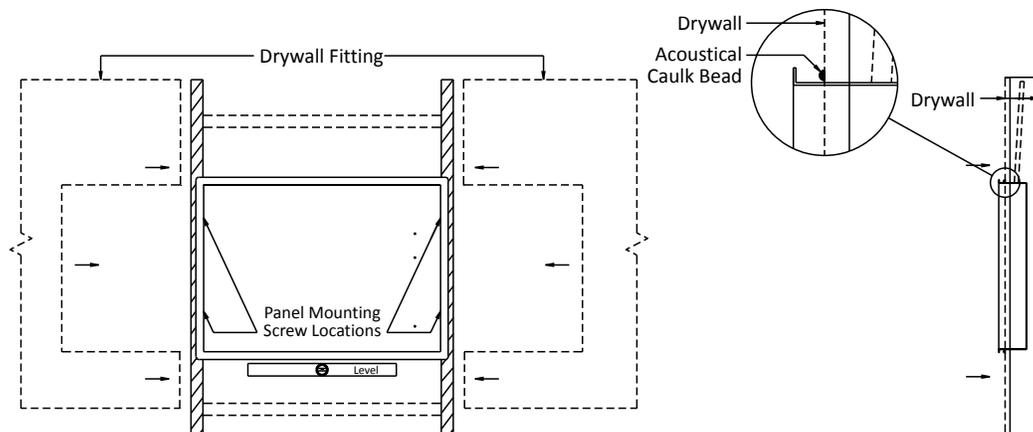
DRYWALL INSTALLATION

In order to install the drywall behind the perimeter flange of the Recessed Security Console, the four panel mounting screws (Figure 3) will need to be loosened to allow the panels to be moved away from the wall to provide clearance for easy placement of the drywall material.

For installation around the medical gas compartment, cut drywall to a size that will allow the material to slip under the lip of the panel trim (a seam will be required in the location of the unit). Perform all taping, joining, texturing and painting before resetting the unit back to its original position. Any additional wall coverings may also be installed at this time.

Once the wall materials are completed, caulk the perimeter of the panel trim with an acoustical sealant and position it back against the finished wall (Figure 3). This should be the same location that the medical gas brazing was performed to remove any tension on the brazed connections made.

Figure 3.



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, 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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