



MODULAR
SERVICES COMPANY

SPECIFICATIONS

LARGE-OPENING ARTWORKS®



PRODUCT DESCRIPTION

The Large-Opening ArtWorks® unit is a single-sided, recessed assembly which installs inside interior wall partitions and allows multiple medical gas outlets and electrical devices to be discretely hidden behind a moveable picture. Vertical movement of this assembly is counterbalanced and moves on precision ball bearing slides. The attached artwork (by others) slides up to completely reveal the interior of the unit, providing maximum access to the components within. The interior compartment is steel with a powder coated finish in either "Surf" or "Platinum Grey".

Medical gas outlets are to be recess-mounted as indicated on the project drawings. Large-Opening ArtWorks units allow for the use of detachable flowmeters and suction regulators, as well as vacuum bottle slide brackets for concealed bedside storage. These secondary devices can remain connected to the outlets when the unit is closed.

Large-Opening ArtWorks assemblies are UL listed and NFPA 99 compliant.

GENERAL CONSTRUCTION

Frame

Vertical side frames are constructed of 16-gauge galvanized steel (90" tall) with horizontal steel drywall support members. Large-Opening ArtWorks units require a wall section with 9" stud depth for installation. Minimum ceiling height is 8'6", with crown molding no wider than 4".

Lifter Assembly

The lifter assembly provides movement of picture with custom-manufactured precision ball bearing slides. Counterbalance of the assembly is provided by a gas cylinder tested to 20,000 cycles. A .04" aluminum mounting plate is included for mounting of artwork (supplied by others).

Lighting

An automatic lighting system is included in the interior of the unit. This light comes on automatically when the artwork is lifted to illuminate the interior of the unit, and may also be manually turned off and on with a switch while the artwork is in the raised position. The light switch turns off and resets to the automatic-on mode when the artwork is lowered.

MEDICAL GAS CONNECTIONS

Piping

Medical gas outlets are pre-manifolded using Type "L" medical-grade copper tubing and terminate at the top of each unit (90" AFF), requiring one service connection for each service per patient. Prior to manifolding, all tubing and fittings are cleaned, rinsed and dried in accordance with NFPA 99. All joints are made with a silver brazing alloy with a melting point of at least 1000°F. Tubing ends are securely capped and properly identified. To prevent galvanic corrosion, all copper tubing is protected from contact with dissimilar metals.

Medical Gas Outlets

Outlets are the type and style called for in the project drawings.

ELECTRICAL CONNECTIONS

Wiring Line Voltage

The unit is provided with all electrical receptacles, switches, etc., as called for in the project drawings, which are to be wired on-site by the electrical contractor. All wiring is to be in accordance with UL and NEC requirements.

Low-Voltage Provisions

Provisions for low-voltage communication devices consist of backboxes or barriered compartments. Communications devices and wiring are to be supplied and installed by others. These devices include nurse call, television, code blue, telephone, monitor jacks, etc.

Devices

Hospital-grade power receptacles, ground jacks, switches etc. are to be installed as indicated on the project drawings.

ACCESSORIES

Accessories such as blood pressure manometers, vacuum regulator and flowmeter assemblies are ordered separately.

SOUND TRANSMISSION

Through a combination of product design, GPX damping sheet, acoustical caulking and fiberglass batt, the 9" wall section required for installation of the unit will have a higher STC rating (tested in compliance with ASTM E-90) than a standard wall. Therefore, the sound transmission will be determined by that of the standard wall and not the 9" deep section.

INSTALLATION

Installation of this product in the hospital wall includes receiving, storage, erection, clean-up, installing artwork, carton disposal, etc. All necessary installation materials are to be supplied by the installing contractor to include such items as tools, fasteners and caulking not supplied by the manufacturer.

The electrical contractor is responsible for all electrical piping, wiring, connection and testing at service connection locations. After the installation is complete, the electrical contractor is to test equipment function, including electrical receptacles and grounding, in accordance with NFPA requirements.

The medical gas contractor is responsible for piping and connection of all medical gas services which terminate at the top of each unit (90" AFF). One connection is required for each service per patient. The medical gas contractor is responsible for purging, pressure testing, gas identification and system certification in accordance with NFPA 99.

Accessory items are to be installed in accordance with the manufacturer's instructions and are the responsibility of the installing contractor. This installation shall take place under the direction of the hospital.



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