



MODULAR
SERVICES COMPANY

SPECIFICATIONS

ARTWORKS®



PRODUCT DESCRIPTION

ArtWorks® is a medical gas services assembly which installs inside interior partitions and allows connectors to be discretely hidden behind a moveable picture. Units are available as either single- or double-sided assemblies with three or five gas outlets, and may be ordered as flush-mounted or recessed models.

Vertical movement of this assembly (to expose outlets) is counterbalanced and moves on precision ball bearing slides. Horizontal movement is also incorporated to expose a blood pressure manometer or storage compartment on recessed versions.

Medical gas outlets are to be recess-mounted as indicated on the project drawings. Recess-mounted ArtWorks models allow for the use of detachable swiveling flowmeters and suction regulators, as well as fold-down vacuum bottle slide brackets for concealed bedside storage. An optional lower electrical console is included, if indicated on the project drawings.

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. Recess-mounted units include sound-dampening material on the back of the recessed compartment. On double-sided units, the frame is insulated with a fiberglass batt.

Lifter Assembly

The lifter assembly provides movement of picture with custom-manufactured precision ball bearing slides. Counter-balance 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).

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.

Swivel Assemblies

Swivel assemblies must be detachable and not be permanently connected to the building's medical gas pipeline system. ArtWorks units include nickel chrome-plated brass swivel assemblies with encased springs for easy disconnection and maintenance. ArtWorks swivel assemblies also include internal integral double O-ring seals.

Vacuum Bottle Slide Brackets

Brackets are fold-down type, or as called for in the project drawings.

ELECTRICAL CONNECTIONS

An optional lower electrical console is provided, as indicated on project drawings.

ACCESSORIES

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

SOUND TRANSMISSION

Through a combination of product design, GPX damping sheet, acoustical caulking and fiberglass batt, Artworks units will not change a partition's STC rating (tested in compliance with ASTM E-90).

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.

Electrical consoles, if required, are to be as indicated on project drawings. The electrical contractor is responsible for all electrical piping, wiring, connection and testing of the lower electrical console.

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.

Installation Notes:

1. **Single-sided recessed units** such as the ArtWorks Model 6813-R or Model 6815-R can be mounted into a 3.625", 4" or 6" stud wall, with a single layer of 5/8" drywall on each side.
2. **Double-sided flush-mount units** such as the ArtWorks Model 6823-F or Model 6825-F can be mounted into a 3.625", 4" or 6" stud wall, with a single layer of 5/8" drywall on each side.
3. **Double-sided recessed units** such as the ArtWorks Model 6823-R or Model 6825-R can only be installed in a 6" stud wall, with a single layer of 5/8" drywall on each side.
4. **Deep-recessed units** are designed to allow enough storage space in the unit to hold a suction canister. The unit recesses 6" into the wall; therefore requiring a 6" stud for installation. A flip-down vacuum bottle slide comes standard with this unit.



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