



SPECIFICATIONS

Welding Work Stations

888-372-0050

Sales@IAP-AirProducts.com
www.IAP-AirProducts.com

Date:

Project:

Location:

Eng./Arch/Rep:

1 GENERAL

1.1 RELATED DOCUMENTS

1.1.1 Welding Work Station User's Manual

1.2 SELECTION

1.2.1 Consult with the factory about the proper Welding Work Station selection as it relates to the intended use requirements. Selection of the proper booth size is based upon customer requirements, space requirement and operator usability.

1.3 SUBMITTALS

1.3.1 Product Data: Indicate manufacturer's model number, technical data including description of components, booth size, accessories and installation instructions.

1.3.2 Closeout Submittals: Operation and Maintenance Manual including parts list.



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1.4 QUALITY

- 1.4.1 Engage an experienced installer to perform the work of this Section who has completed installations similar in design and extent to that indicated for this Project, and who has a record of successful in-service performance.
- 1.4.2 Engage a firm experienced in Welding Work Station assembly similar to that indicated for this Project and with a record of successful in-service performance.
- 1.4.3 Review methods and procedures related to Welding Work Station installation.
 - *Review access requirements for equipment delivery.*
 - *Review equipment storage and security requirements.*
 - *Inspect the condition of preparatory work performed by other trades.*
 - *Review structural loading limitations.*
 - *Review that all components specified in this Section and related components specified in other Sections are accounted for.*

1.5 DELIVERY, STORAGE, HANGLING, PRODUCT PRESERVATION

- 1.5.1 Packing, Shipping, Handling and Unloading: Store in original protective packaging and in a dry location.

1.6 COORDINATION

- 1.6.1 Coordinate layout and installation with other work, including light fixtures, fixed equipment and workstations, HVAC equipment, fire-suppression system components and equipment of movement such as overhead cranes.
- 1.6.2 Coordinate location and requirements of service-utility connections.

1.7 JOB SITE CONDITIONS

- 1.7.1 Existing Conditions: Verify dimensions installation areas by field measurements.



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2 PRODUCT

2.1 MATERIALS

2.1.1 GENERAL STRUCTURE

- The IAP Air Products Welding Work Station, size per section 3.8 Reference Table, includes: non-powered individual walk in booth, with open front, Three-piece construction, 2 side panels and 1 back panel. Panels have standard open area of 26" below wall. Frame and brace 1.5" square tube 14 gauge. Adjustable feet for leveling, fixed rear shelf 20"D (34"H unpainted). Weld curtain rod. Powder coated IAP Blue.

2.1.2 CONSTRUCTION

- The IAP Air Products Welding Work Station to be constructed with (3) Panels. Each panel is to be 14 gauge construction with Frame & Brace being 1.5", 14 gauge square tubing. Unpainted rear shelf shall be provided as standard, being 20" deep and constructed of hot rolled 11 gauge metal. Booth Shall be constructed in such a way that multiple booths can share side panels. Booths shall have all holes pre-installed with Revit Nuts inserted for easy installation. Bolts to hold the booth together shall be 5/16" bolts . Rear shelf shall be bolted in with 1/4" x 3/4"L bolts with washers. All bolts are to be screwed into pre-installed Revit Nuts.

2.1.3 OPTIONAL FUME ARM MOUNTING BRACKET

- Fume Arm Mounting Brackets can be bolted onto the booth to accept an optional fume extraction arm.

2.1.4 OPTIONAL LIGHT

- LED Light Bracket as required can be bolted to the booth.



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2.2 MANUFACTURER

- 2.2.1 Products which comply with this specification as judged by the Architect/Engineer may be provided by the following manufacturers. All products specified in this section shall be provided by a single manufacturer.

IAP-AirProducts
580 Technology Drive,
Sparta, TN 38583
Phone: 888-372-0050

Approved Equal.

3 EXECUTION

3.1 EXAMINATION

- 3.1.1 Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances, service-utility connections, and other conditions affecting installation and performance of equipment. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- 3.2.1 Provide surface/substrate preparation as required by the manufacturer's printed installation instructions. Do not proceed with installation until the site is in proper condition to receive Welding Work Station installation.

3.3 INSTALLATION

- 3.3.1 Install Welding Work Station in accord with manufacturer's written instructions, original design and referenced standards.



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3.4 ADJUSTING

3.4.1 Adjust leveling legs. Replace any parts that prevent the system from operating properly.

3.5 CLEANING

3.5.1 Remove all debris caused by installation of the Welding Work Station. Clean all exposed surfaces.

3.6 PROTECTION

3.6.1 Provide protection of the completed installation until completion of the project.

3.7 MANUFACTURER WARRANTY

3.7.1 Provide a written warranty for a period of one year from the date of shipment for all components.

3.8 REFERENCE TABLE (Typical Construction)

Weld Booth #	Booth Width [Feet]	Booth Depth [Feet]	Booth Height [Inches]	Open Area below Wall [Inches]	Booth Width Inside Dimension [Inches]	Booth Depth Inside Dimension [Inches]	Booth Width Outside Dimension [Inches]	Booth Depth Outside Dimension [Inches]
WWS-0404	4'	4'	78"	26"	48"	48"	51"	49.5"
WWS-0505	5'	5'	78"	26"	60"	59.5"	63"	61"
WWS-0606	6'	6'	78"	26"	71.5"	71.5"	74.5"	73"