



# SPECIFICATIONS

## Telescopic Fume Extraction Arm for Industrial Processes

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 Telescopic Fume Arm User's Manual

### 1.2 SELECTION

- 1.2.1 Consult with the factory for the proper extraction arm selection as it relates to the intended use requirements. Selection of the proper arm is based upon what is being extracted, related safety precautions or regulations, capture velocity, corrosion resistance, noise level, temperature resistance, space requirement and operator usability.

### 1.3 SUBMITTALS

- 1.3.1 Product Data: Indicate manufacturer's model number, technical data including description of components, static pressure/air flow chart, performance, accessories and installation instructions.
- 1.3.2 Closeout Submittals: Operation and Maintenance Manual including spare parts list.



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### 1.4 QUALITY

- 1.4.1 Engage an experienced installer to perform 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 manufacturing Extraction Arms 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 Extraction Arm system installation.
  - *Review access requirements for equipment delivery.*
  - *Review equipment storage and security requirements.*
  - *Inspect 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 extraction arm functions through a telescopic internal assembly that adjusts from 48" to 84". A black PVC elastic hose covers the internal assembly. The arm has rotating swivel to cover the full working range. The wall bracket is heavy-duty steel powder coated black with (4) ½" holes pre-drilled mounting holes. The hood is aluminum, powder coated black. It contains grab handles for easy adjustments and an internal damper. The base is steel, painted black.*

#### 2.1.2 FLEXIBLE HOSE

- *The black external flexible hose is made of PVC. The hose is fire retardant rated for 195 degrees F (intermittent 260 degrees F). The tube diameter is listed in the table in section 3.8. A high temperature version is available upon request.*

#### 2.1.3 HOOD

- *The fume arm shall, as a standard component, incorporate a capture hood. The hood incorporates grab handles to permit easy mobility and a damper. The hood is aluminum; powder coated black.*

#### 2.1.4 FRICTION JOINTS

- *Internal joints shall incorporate friction discs and are adjustable for tension. Friction discs are made of asbestos free brake lining material. The friction joints can be adjusted to suit the user's needs.*

#### 2.1.5 MOUNTING BRACKET

- *A wall mounting bracket is included with each articulating arm. The wall bracket is steel and predrilled to match the bolt pattern of the arm. The bracket is powder coated black.*



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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 site is in proper condition to receive extraction arm installation.



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### 3.3 INSTALLATION

- 3.3.1 Install extraction arms and brackets in accord with manufacturer's written instructions, original design and referenced standards.
- 3.3.2 The contractor shall ensure the field supplied supplemental wall blocking that will support the weight of the arm is pre-installed before fume arm installation.

### 3.4 ADJUSTING

- 3.4.1 Adjust extraction arms for proper operation. Replace any parts that prevent the system from operating properly.

### 3.5 CLEANING

- 3.5.1 Remove all debris caused by installation of the extraction arms. 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 date of shipment for all components.



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### 3.8 REFERENCE TABLE

Part Number	Tube Diameter	Working Range	Hood Diameter	Ductwork connection	Mounting Configuration	CFM Range (CFM)	Arm, Brk and Hood Weight (lb)
FA-044884-T	4"	48"-84"	10"	4"	Hanging	300-600	28
FA-064884-T	6"	48"-84"	13"	6"	Hanging	600-1200	52
FA-084884-T	8"	48"-84"	14"	8"	Hanging	950-1800	78