

# E-Z ARM

## HIGH FLOW EXTRACTOR ARM

**Airflow**  
SYSTEMS INC.

### SPECIFICATIONS

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| <b>Construction:</b>       | 21 ga. aluminum tube with spiral wire-reinforced Hi-Flow hose             |
| <b>Arm Lengths:</b>        | 7 ft. (E-Z Arm® 7E07)<br>10 ft. (E-Z Arm® 7E10)<br>14 ft. (E-Z Arm® 7E14) |
| <b>Blower Pkgs (HP):</b>   | 0.5, 0.75, 1, 1.5, 3, 5, 7.5, 10                                          |
| <b>Air Flow Max (CFM):</b> | 600–1500                                                                  |
| <b>Weight (lbs.):</b>      | E-Z Arm® 7E07 - 36<br>E-Z Arm® 7E10 - 40<br>E-Z Arm® 7E14 - 45            |



## Powerful Source Capture for Heavy-Duty Airborne Contaminants

The E-Z Arm® High Flow Extractor Arm is ideal for operations such as welding, grinding, and machining that generate heavy concentrations of dust, smoke, and other airborne contaminants. The E-Z Arm® makes light work of contaminant collection at the source with an externally supported arm that is easy to position and provides consistent air flow. The E-Z Arm® Extractor comes in arm lengths of 7, 10, and 14 feet, with air flow rates from 600 to 1500 CFM.

### Options

- **Light Kit:** Improves worker visibility and productivity.
- **Blowers:** Several sizes available.
- **Silencer:** Reduces air flow noise for quieter operation.
- **Wall Brackets:** Maximizes installation versatility.
- **Adjustable Height Floor Stand:** Maximum height of 120 inches adds installation versatility.
- **Filtration Units:** HEPA, cartridge, and odor-control filter systems available based on application.
- **Boom Extensions:** System includes steel boom arm, boom arm wall bracket, tube kit, flex hose, and one transition to 8-in. dia.

### Features & Benefits

- **Patented Friction Release Pawl-and-Sprocket Design:** Engages positively when positioned, yet offers no resistance when removed.
- **6.75-in. Dia. Arm in 7-, 10-, or 14-Foot Lengths:** Provides for high-volume collection with maximum reach.
- **Strong HDPE Flat Base Joint:** Easy to install; HDPE bearing material works to seal base without collars or fittings.
- **Large 13-in. Dia. Inlet Hood with 360° Flange Handle:** Easier hood positioning than single-handle designs.
- **Durable Rounded Duct Constructed of 21-ga. Aluminum:** Withstands industrial use, yet lightweight for easy operation. Powder coated inside and outside.
- **Hi-Flow Spiral Wire-Reinforced Hose:** Provides superior strength and resistance to sparks and embers.
- **Damper:** Shut off air flow when not in use.

# E-Z ARM

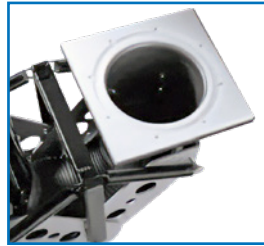
## HIGH FLOW EXTRACTOR ARM

### Power, Performance, and Precision

Airflow Systems E-Z Arm® High Flow Extractors provide powerful source collection in the toughest environments. A large, 6.75 inch diameter arm, available in lengths of 7, 10, and 14 feet, with flow rates up to 1500 CFM, delivers high volume collection efficiency.

#### Flexible Duct

Specially designed, spiral-wire reinforced for strength and flexibility. UL rated for flammability with high resistance to weld sparks and grinding embers.



#### HDPE Base Joint

Low-friction material doubles as a base seal without need for collars or fittings.



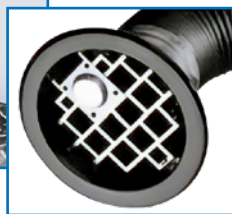
#### Counter Balance

Compact, high-strength design adds maneuverability and eliminates the need for long, potentially dangerous, external springs.



#### Pawl-and-Sprocket Arm Support

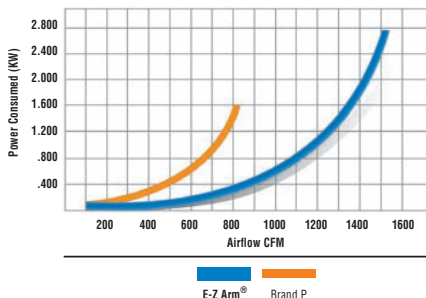
The patented friction release joint design engages positively when positioned yet offers no resistance when moved. Operators no longer have to work against weight, friction, or drooping hoses.



#### Inlet hood

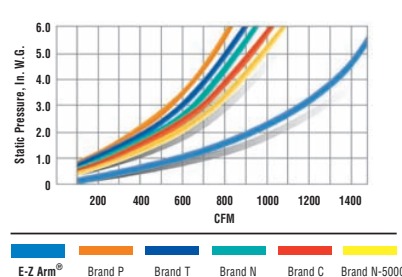
Large, 13 inch diameter hood is spun aluminum with durable epoxy powder coat finish; 160° movement and a 360° flange handle allow for easier hood positioning than single-handle designs. (Inset: Optional Light Kit)

#### Power Consumption Comparison



The E-Z Arm® Extractor is powerful, yet efficient. When tested against a competing model (Brand P) at an 800 CFM air flow rate, the E-Z Arm® required 0.35 KW/Hr while Brand P required 1.30 KW/Hr. The E-Z Arm® produced a 73% savings in energy consumption.

#### Flowrate Comparison



In comparative testing, the externally supported E-Z Arm® Extractor delivers consistently higher air flow rates than competitive models.