Polex Environmental Engineering Pty Ltd
ACN 121 129 842

Polex™ Fume Arm

Description
The Polex range of fume arms is designed for the extraction of vapours, welding smoke, oil fumes and various dusts.

Operating Principle
The polluted air enters the hood and travels through the metal ducts and flexible joints. The polluted air can then be filtered or directly discharged to atmosphere, depending of the nature of the pollutant.

The arm can be rotated by 360° for maximum flexibility. All joints are kept external to the air stream to minimise pressure losses and build-up of pollutants within the arm.

Airflow can be manually regulated by adjusting the damper fitted within the arm.

Polex Fume Arm
(Model A150/3 shown)

Construction
Light-gauge Galvanised sheetmetal rigid duct.
Flexible elbows manufactured from abrasion resistant flexible duct.
Cast Aluminium rotating bearing and articulated joints.

Mounting options
- Wall bracket
- Ceiling bracket
- Support column
- Sliding duct
- Direct coupling to fan

Applications
- Welding smoke
- Food powders
- Stone masonry dusts
- Chemical fumes

- **Suitable for a range of applications**
- **High capture efficiency**
- **Sturdy construction**
- **Up to 2,000m^3/h airflow capacity**
- **150mm, 180mm and 200mm dia options**
- **From 1.5m to 4m arm length**
- **Stainless steel version available**
- **Food-grade flexible elbows available**
- **Antistatic flexible elbows available**
- **Light and switch option available**

Models

Model	Diameter (mm)	Arm Length (mm)	Maximum Reach (mm)	Recommended Airflow (m^3/h) *
A150/1.5	150	1500	1200	1,200
A150/2	150	2000	1500	1,200
A150/3	150	3000	2450	1,200
A150/4	150	4000	3500	1,200
A180/3	180	3000	2900	1,500
A180/4	180	4000	3500	1,500
A200/3	200	3000	3500	1,700
A200/4	200	4000	3500	1,700

* Airflows in table are for welding applications only. For other applications, please contact Polex.

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