



EXTRACTION ARMS



Capturing fumes at the source

SOURCE CAPTURE

At source capture of airborne particles is the most efficient method of achieving a safe and healthy working environment. With at source capture you effectively prevent airborne pollution from spreading all over your premises, therefore protecting not only the operator at the process but also all the other people in the building.

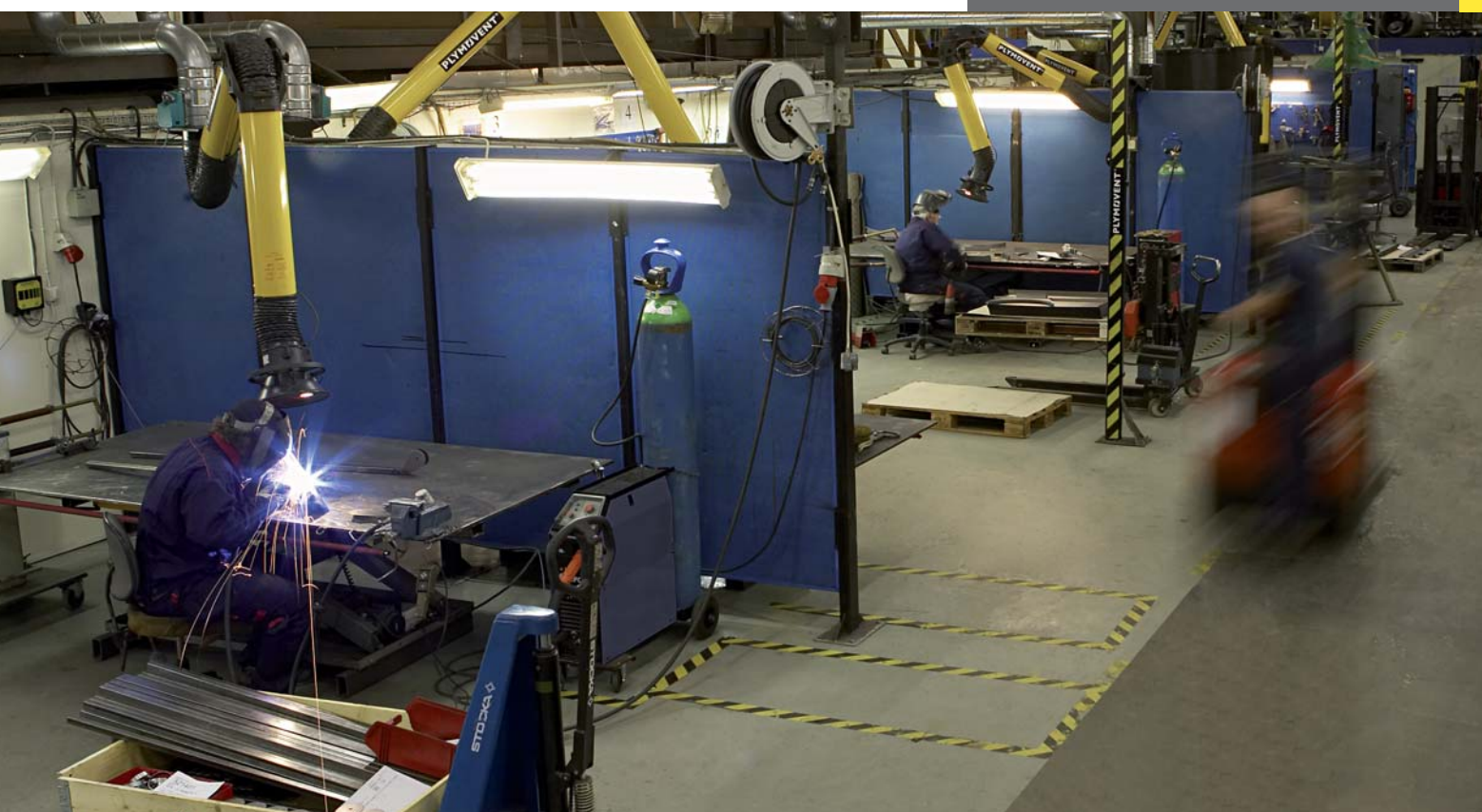
An automatically controlled extraction system will also lower your energy consumption. It will enable you to substantially lower your use of electricity and overall energy consumption and therefore give a shorter ROI (return on investment). At the same time you will make a contribution to improving the global environment.

Investing money in at source capture in hazardous environments results in less absence due to illness and better retention of employees.

- Optimal personal health and safety by capturing airborne particles, prior to their spreading in the local environment
- Operating efficiency by minimizing air processed in ventilation and filtration
- Investment efficiency by minimizing the dimensions of ventilation and air handling equipment
- Energy efficiency by minimizing the energy required to run the air handling and ventilation systems
- Environmental efficiency by lowering energy consumption and more efficient containment of pollutants

WHY FUME EXTRACTION IS IMPORTANT

Welding fumes, grinding dust, oil mist: the metal industry produces all sorts of airborne contamination. Welders and other personnel in working areas are exposed to these air contaminants. It is essential to create healthy and safe working conditions by reducing these risks. Protective measures are an important aspect of this. So important, in fact, that strict international standards have been established to regulate them. Welding fumes, small particles and the remains of molten metal must be dealt with effectively by means of professional extraction and filtration. This ensures that workers feel better, enabling them to perform better. The result is higher productivity and lower absenteeism through illness.





MM-75

IDEAL FOR BENCH WORK AND SMALLER WORKING AREAS

The Miniman 75 mm is ideal for all types of smaller dust and fume applications. Totally free from internal mechanisms, yet easily operated and fully flexible, the Miniman provides efficiency and versatility in a class by itself. Soldering fumes, vapours and solvents are effectively extracted at low air volumes and the unobstructed airflow allows for high air velocity, capturing coarse dust. With efficiency, versatility and flexible operation the Miniman 75 mm takes the first position on the market for small extraction arms.

Features

- Clear-thru design allows for maximum air velocity, low pressure drop, low noise level and low energy cost
- Reach above mounting height offers maximum reach
- Supplied fully assembled saves installation time
- Exterior joints allows for ease of adjustment, smooth operation and ease of service
- 360 degree rotation
- Available in white

Accessories:

- Work area illumination

Recommended for:

- **Soldering**
- **Lab fumes**
- **Small dust collection operations**

Technical data	MM-75
Working radius:	1.0 m / 1.5 m
Tube diameter:	75 mm
Rec air volume:	100 - 250 m ³ /h
Max air volume:	425 m ³ /h
Weight:	3.4 kg / 3.7 kg

MM-100

EXTRACTION WITH TRUE EFFICIENCY

Clear-Thru, totally free from internal mechanisms, the Miniman is the high performance solution for dust applications. Grinding, polishing and other types of operations generating heavy dust are ideal for this 100 mm Ø arm. The unobstructed airflow means maximum extraction efficiency and lowest possible pressure drop. When considering the range of design benefits and quality that lasts, the Miniman 100 mm is a favourite choice for the professionals.

Features

- Clear-thru design allows for maximum air velocity, low pressure drop, low noise level and low energy cost
- Reach above mounting height offers maximum reach
- Supplied fully assembled saves installation time
- Exterior joints allows for ease of adjustment, smooth operation and ease of service
- 360 degree rotation
- Available in white and stainless steel
- Available in an ATEX version

Accessories:

- Work area illumination

Recommended for:

- **Spot welding**
- **Laboratory applications**
- **Mist collection**

Technical data	MM-100
Working radius:	1.5 m / 2.1 m
Tube diameter:	100 mm
Rec air volume:	300 - 500 m ³ /h
Max air volume:	700 m ³ /h
Weight:	8.6 kg / 9.2 kg

EA

EXCEPTIONAL QUALITY; OUTSTANDING VALUE

The Economy Arm provides the performance and features that previously only more expensive arms could offer. It is offered in 3 lengths and the spring balanced support mechanism and friction brake guarantee smooth operation inside the entire working radius. The Economy Arm is also offered as a standing model that fits directly to all Plymvent mobile extraction units and can be used in applications with low ceiling heights where a low mounting position is needed.

Features

- Universal mounting bracket with ball-bearing and friction pad allows for 360 degree rotation, ease of manoeuvring and ensures maximum life-span.
- Support mechanism ensures stability, smooth operation and minimum restriction
- 360 degree ring handle allows for ease to reach and access from any position

Accessories:

- Work area illumination
- Stanchions
- Arm extensions

Recommended for:

- **Maintenance welding/low usage**
- **Work bench applications**

Technical data	EA
Working radius:	2.0 m / 3.0 m / 4.0 m
Tube diameter:	160 mm
Rec air volume:	800 - 1200 m ³ /h
Max air volume:	1300 m ³ /h
Weight:	17.0 - 20.5 kg





LM-2

DESIGNED FOR SCHOOLS AND SMALL WORKING BOOTHS

LM-2 "Junior Arm" is a compact and handy extraction arm designed specifically for schools, small working booths and areas with a low ceiling. The LM-2's telescopic design has a spring-balanced telescopic tube with a counter weight that can be extended and contracted concertina-fashion, and can be angled and positioned exactly as required with just one finger. An efficient, versatile bench work source capture arm, always at hand and easy to reach.

Features

- Universal mounting bracket with ball-bearing and friction pad allows for 360 degree rotation, ease of manoeuvring and ensures maximum life-span.
- Support mechanism ensures stability, smooth operation and minimum restriction
- Telescopic tube enables working radius to be adjusted from a minimum of 1.0 m to a maximum of 2.0 m
- 360 degree ring handle allows for ease to reach and access from any position

Accessories:

- Work area illumination
- Stanchions
- Arm extensions

Recommended for:

- **Maintenance welding**
- **Welding schools**
- **Welding booth applications**

Technical data	LM-2
Working radius:	From 1.0 m to 2.0 m
Tube diameter:	160 mm
Rec air volume:	800 - 1200 m ³ /h
Max air volume:	1300 m ³ /h
Weight:	20,8 kg

KUA

FLEXIBLE FOR SMALL AND MEDIUM SIZED WORK PLACES

KUA is the extraction arm of choice and comes in various models. It is the most flexible extraction arm on the market for fume, gases and oil mist contaminants. Unique to the KUA is the combination of inner and outer arms of smooth aluminium tubing connected by our unique middle joint. The external easy-to-adjust elbow joint, together with the spring assisted joint supported in double ball bearing, make manoeuvring this arm a simple, one movement operation. Position the arm exactly where you need it, when you need it.

Features

- Universal mounting bracket with ball-bearing and friction pad allows for 360 degree rotation, ease of manoeuvring and ensures maximum life-span.
- Support mechanism ensures stability, smooth operation and minimum restriction
- 360 degree ring handle allows for ease to reach and access from any position
- Smooth aluminium tubing allows maximum airflow and reduces the overall weight and noise level.
- Available in an ATEX version

Accessories:

- Work area illumination
- Stanchions
- Arm extensions

Recommended for:

- **Maintenance and production welding**
- **Work bench applications**

Technical data	KUA
Working radius:	2.0 m / 3.0 m / 4.0 m
Tube diameter:	160 mm
Rec air volume:	800-1200 m ³ /h
Max air volume:	1400 m ³ /h
Weight:	20/23,5/25 kg

TRAVERSING-KUA

EXTRACTOR FOR LARGER WORKING AREAS

KUA on an extraction rail is a unique product combination, where the most flexible extractor arm on the market has been mounted on a carriage, that allows it to run along an extraction rail. The KUA-arm is technically, economically and aesthetically the perfect solution for small and medium sized work places. Together with the extraction rail, the KUA-arm is not only the most flexible extractor on the market for fume and gases, but it also has a reach that is only limited by the length of the rail. Ideal where no permanent work places exist or for extended working areas. The KUA can rotate through 360° and has a reach in radius of up to 4 m, either side of the extraction rail.

Features

- Mounted on an extraction rail
- Universal mounting bracket with ball-bearing and friction pad allows for 360 degree rotation, ease of manoeuvring and ensures maximum life-span.
- 360 degree ring handle allows for ease to reach and access from any position
- Smooth aluminium tubing allows maximum airflow and reduces the overall weight and noise level.

Accessories:

- Work area illumination
- Arm extensions

Recommended for:

- **Maintenance and production welding for extended working areas**

Technical data	Traversing KUA
Working radius:	2.0 m / 3.0 m / 4.0 m
Tube diameter:	160 mm
Rec air volume:	800-1200 m ³ /h
Max air volume:	1400 m ³ /h





MSA

ULTIMATE EFFICIENCY

The MultiSmart[®] extraction Arm's unique, clear-thru design, is providing a completely uninterrupted airflow and the lowest pressure loss of any arm on the market. Maintaining high airflow without turbulence eliminates the buildup of particulate and reduces the cost of maintenance. The Ply-movent patent pending safety encased arm mechanism is outside the airstream producing "ONE TOUCH" smooth movement combined with outstanding stability. The MSA is versatile, light weight and safe providing unsurpassed air flow, ergonomic design, and easily accessible controls.

Features

- Clear-thru design allows for maximum air velocity, low pressure drop, low noise level and low energy cost
- Parallelogram arm ensures one touch smoothness and guarantee to stay in place.
- External arm chassis provides strong support and outstanding stability, support and balance.
- Aluminium tube makes the arm light and robust
- Available in an ATEX version

Accessories:

- Work area illumination
- Stanchions
- Arm extensions

Recommended for:

- **Production welding**
- **Dust collection**
- **Plasma cutting**
- **Mist collection**
- **Work bench applications**

Technical data	MSA
Working radius:	3.0 m / 4.0 m
Tube diameter:	125 / 160 / 200 mm
Rec air volume:	400-700 / 800-1400 / 1300-2000 m ³ /h
Max air volume:	800 / 1500 / 2100 m ³ /h
Weight:	22.5-30.3 kg

FM

LONG REACH

FlexMax[®] is the perfect extractor for those "awkward spots" and areas with a low ceiling. It is unmatched in its ability to reach to high positions and locations far from the arm's mounting position. Very handy when it comes to reaching into and under work pieces, or when you need to mount the arm at a lower height.

Features

- Universal mounting bracket with ball-bearing and friction pad allows for 360 degree rotation, ease of manoeuvring and ensures maximum life-span.
- Support mechanism ensures stability, smooth operation and minimum restriction
- Inner arm can carry tools and accessories up to 50 kg
- The hood can be positioned anywhere within a radius of about 9 m and up to 8 m in height (largest model).

Accessories:

- Work area illumination
- Arm extensions

Recommended for:

- **Maintenance and production welding for large working areas**

Technical data	FM
Working radius:	From 4.0 up to 8.8 m
Tube diameter:	160 mm
Rec air volume:	800 - 1200 m ³ /h
Max air volume:	1400 m ³ /h
Weight:	46-95 kg

UK

HEAVY-WEIGHT EXTRACTOR

The extractor crane is a combined extractor and suspension arm for tools. A proven all-in-one solution for both removing fumes from the working environment and suspending your workshop equipment which will move around with you. Perfect for the heavy industrial environment including welding workshops, motor; plastics and chemical industries.

Features

- Vertical telescopic tube
- Inner arm can carry tools and accessories up to 50 kg
- 360 degree ring handle allows for ease to reach and access from any position

Accessories:

- Work area illumination
- Arm extensions

Recommended for:

- **Maintenance and production welding for large working areas**

Technical data	UK
Working radius:	3.0 / 4.5 / 6.0 / 8.0 m
Tube diameter:	160 mm
Rec air volume:	800 - 1200 m ³ /h
Max air volume:	1400 m ³ /h
Weight:	45.5-116 kg





PLYMOVENT®

clean air at work

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COMPLETE SYSTEM Our extraction arms can be connected to the product range of fans, filters and control equipment of Plymovent. A Plymovent system enables you to get fully automatic control of our products in the most efficient way, saving you money and bringing you clean air at work.

Plymovent cares about the air you breathe. We deliver products, systems and services which ensure clean air at your work environment, anywhere in the world.

Our expertise gained over many years, high quality products and genuine commitment to customer requirements enable us to provide precisely the solutions you need.