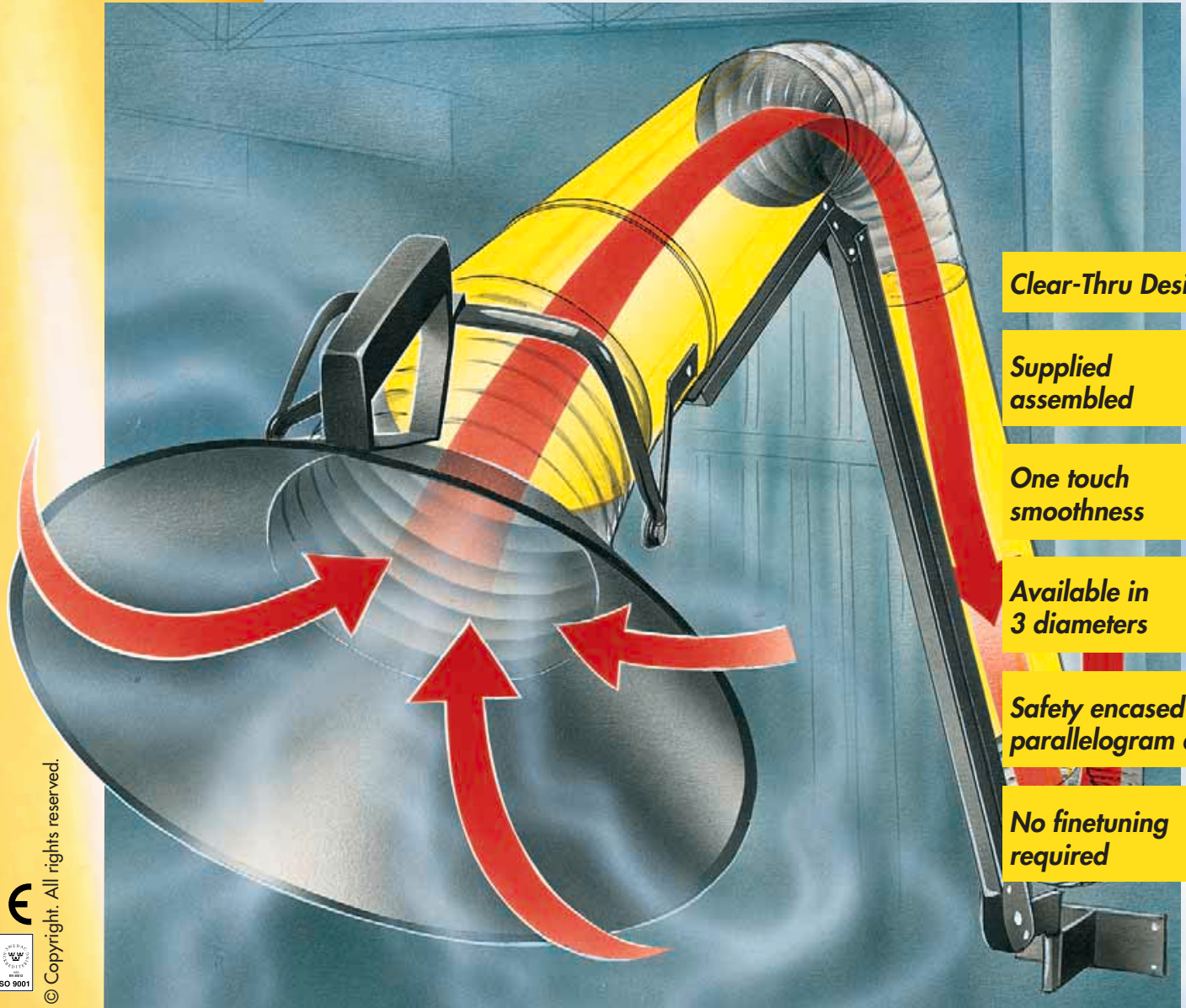


MULTISMART[®] ARM

The professionals choice!



Clear-Thru Design

Supplied
assembled

One touch
smoothness

Available in
3 diameters

Safety encased
parallelogram arm

No finetuning
required



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PLYMOVENT[®]

INTELLIGENT PROCESS VENTILATION™

THE INVISIBLE DIFFERENCE!

IT IS CLEAR-THRU. PlymoVent has cleaned out all typical obstructions which increase resistance and decrease airflow. **THIS IS ONE FEATURE NO OTHER ARM CAN OFFER.**

The MultiSmart[®] Arm is smoother, safer and more economical. The patent pending safety encased arm mechanism is outside the airstream. The mechanism produces "One Touch" smooth movement combined with outstanding stability.

PlymoVent MultiSmart[®] Arm is simply the best!

One Feature No Other Arm Can Offer

Let PlymoVent show you the path of least resistance with our new **clear-thru** arm design. Buy the arm with the least resistance because it is **clear-thru**, supplied assembled, easier to move, versatile and safe. Unsurpassed airflow, low total weight, ergonomic design, setting precision and easily accessible controls, making the MultiSmart™ Arm your smartest choice.

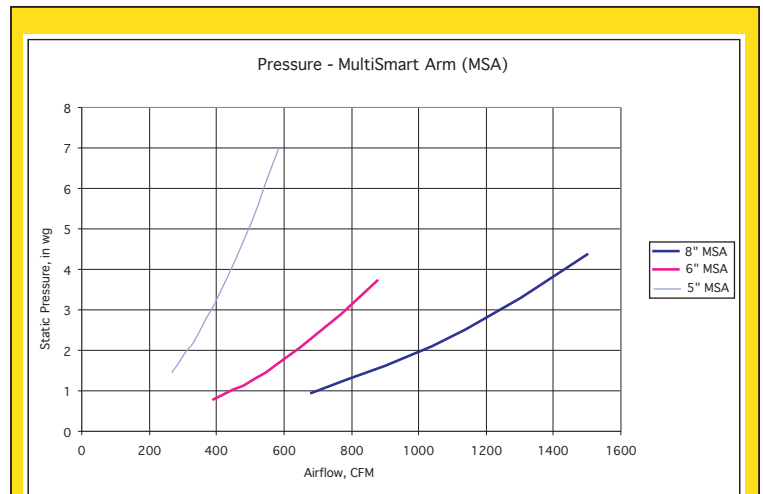
1 Clear-Thru

The invisible difference that makes the real difference is that there is nothing inside. This allows for a completely uninterrupted airflow and the lowest pressure loss. Maintaining a high airflow without turbulence eliminates the build up of particulate and reduces the cost of maintenance. A removable and washable debris screen is mounted in the face of the hood. This assures that unwanted foreign materials are not

transported into your system which could cause fire or reduced airflow.

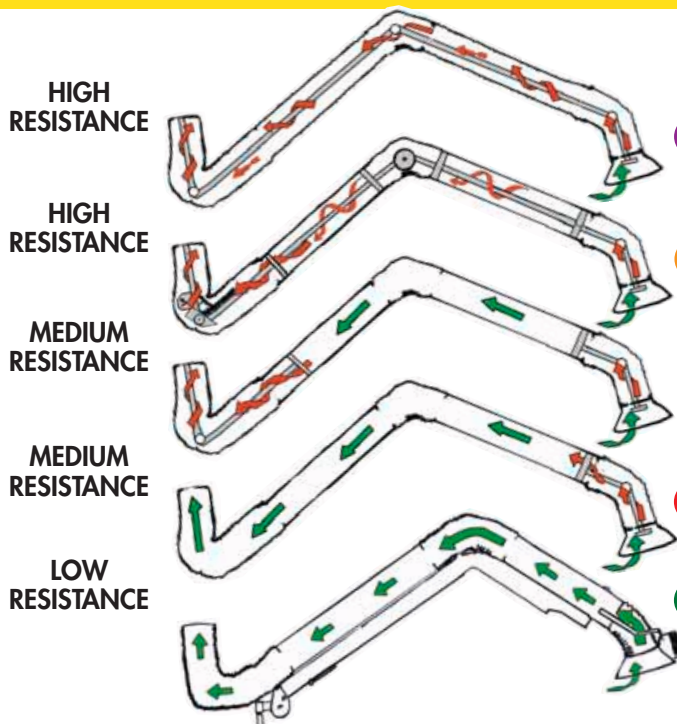
2 Supplied assembled

MultiSmart™ Arm is delivered to your door fully assembled, saving you installation time and money in the field. Even the joints are preadjusted to perfection. Other manufacturers provide their products to you in parts which could require one to three hours of your time to build their product. Avoid



PlymoVent MultiSmart® Arm delivers unequal airflow (flowrates) compared to competitors.

THE INVISIBLE DIFFERENCE – THAT MAKES THE REAL DIFFERENCE



- A** Full internal support mechanism with continuous hose develops maximum resistance and turbulence to the airflow.
- B** The hose is partly exchanged with tubes. Gives slightly less turbulence.
- C** Arms like PlymoVent KUA use the tubes as support mechanism and therefore has an improved airflow.
- D** Turbulent airflow is created with an inside hood joint which creates build up particles and less airflow. This eliminates its use in sterile and sanitary applications.
- E** The CLEAR-THRU design maximizes airflow and reduces resistance.

THIS IS YOUR BEST CHOICE!

assembly mistakes, buy a product that is already assembled.

3 One touch smoothness

The MultiSmart™ Arm design with its confident, smooth and gentle movements and its unique setting precision has set a completely new standard for extraction arms. We guarantee that the MultiSmart™ Arm stays where it is positioned. This causes less irritation and increased worker productivity. The

wall-mounting bracket is provided with every arm and includes sealed ball bearings and axle technology, which allow smooth, drag free movement.

4 Available in two lengths and three different diameters

Two lengths

10'3 m
14'4 m

Three diameters

Ø5"/125mm
Ø6"/160mm
Ø8"/200mm



5 Safety encased parallelogram arm

Our patent pending fully safety encased external parallelogram construction gives an uninterrupted airflow and optimum safety. Other arms only offer unprotected spring or scissor type mechanisms which can pinch fingers and hands. Our external arm chassis, which cradles the arm tubes, provides an extremely strong support which gives MultiSmart™ Arm outstanding stability and balance.

6 No fine tuning

Balance friction control working in harmony with the operator allowing adjustment of the arm to the desired settings of movement.

The secret lies in special gas springs with pre-set positions, allowing a unique One Touch position exactness.

Quality from top to bottom!



Patented adjustable shoulder joint allows only PlymoVent the ability to utilize the same arm for both hanging or standing applications.



Shown above the extended wallmount which, together with other stock mounts, offers almost unlimited installation alternatives.



Swivelhood handle can be reached from anywhere and provides the operator with smoother hood placement, greater positioning handle accessibility and totally external friction adjustments.



The MultiSmart™ Arm is available in stainless steel for use in pharmaceutical, cosmetic and food installations.

FEATURES AND BENEFITS

- PlymoVent's CLEAR-THRU design guarantees that the MultiSmart™ Arm will provide the user with maximum airflow and minimum resistance which will reduce energy consumption by reducing fan motor power.
- The CLEAR-THRU design, exclusive only to PlymoVent MultiSmart™ Arm, has eliminated all unwanted airflow interference which is commonly experienced in other designs.
- Our Arm is not only designed to protect the workers environment. It also has built-in safety features to protect the workers themselves.
- The hood connection hose has been reduced in length to minimize reduction in airflow, contaminate build up and lower replacement cost in critical environments.
- The steel hood and the handle makes the arm robust and stable.
- The entire mounting is safety encased making the work area safe from squeezing accidents etc.
- Smooth aluminium tubing makes MultiSmart™ Arm light and strong.
- Specially developed gas springs make it possible for you to steer the MultiSmart™ Arm with one finger – One Touch.
- Strong mounting makes the MultiSmart™ Arm almost indestructible.
- Simple installation and replacement procedures reduce your costs.
- Available in 10'/3 m and 14'/4 m and in three diameters: Ø5"/125 mm, Ø6"/160mm and Ø8"/200 mm.
- It is clear to see the difference between the MultiSmart™ Arm and the competition. In a clear stream comparison, position both arms out straight. – Can you see clear thru? If not, it's clear your choice should be PlymoVent MultiSmart™ Arm.

MultiSmart™ Arm in stainless steel

MultiSmart™ Arm is also available in stainless steel. Both arms are designed in the same way with the same mounting and the same versatile manoeuvring.

The arm is available in two grades:

Grade 1 for use in applications where only stainless steel is required in air stream contact.

Grade 2 for corrosive resistance environments or where sterilization by chemical wash down is necessary.



See through food grade wash down hose is provided with a smoother interior to stop build up of unwanted contaminates. Essential for use in pharmaceutical, cosmetics and food installations.

TECHNICAL DATA

| Painted construction | | | | Max airvolume | Rec. airvolume |
|----------------------|-----------------|------------------|--------------------|--------------------|------------------------|
| Product no: | Working radius: | Weight: | Tube/hose: | CFM/m³/h: | CFM/m³/h: |
| MSA-125-3 | 10'/3 m | 49.5 lbs/22.5 kg | Ø 5"/125 mm | 470/800 | 240 - 410/400 - 700 |
| MSA-125-4 | 14'/4 m | 60.5 lbs/27.5 kg | Ø 5"/125 mm | 470/800 | 240 - 410/400 - 700 |
| MSA-160-3 | 10'/3 m | 51.3 lbs/23.3 kg | Ø 6"/160 mm | 890/1500 | 470 - 820/800 - 1400 |
| MSA-160-4 | 14'/4 m | 62.9 lbs/28.6 kg | Ø 6"/160 mm | 890/1500 | 470 - 820/800 - 1400 |
| MSA-200-3 | 10'/3 m | 54.2 lbs/24.6 kg | Ø 8"/200 mm | 1240/2100 | 770 - 1180/1300 - 2000 |
| MSA-200-4 | 14'/4 m | 66.7 lbs/30.3 kg | Ø 8"/200 mm | 1240/2100 | 770 - 1180/1300 - 2000 |
| Stainless steel | | | | Max airvolume | Rec. airvolume |
| Product no: | Working radius: | Weight: | Tube/hose: | CFM/m³/h: | CFM/m³/h: |
| MSAS-125-3 | 10'/3 m | 50.6 lbs/23.0 kg | Ø 5"/125 mm | 470/800 | 240 - 410/400 - 700 |
| MSAS-125-4 | 14'/4 m | 61.6 lbs/28.0 kg | Ø 5"/125 mm | 470/800 | 240 - 410/400 - 700 |
| MSAS-160-3 | 10'/3 m | 52.4 lbs/23.8 kg | Ø 6"/160 mm | 890/1500 | 470 - 820/800 - 1400 |
| MSAS-160-4 | 14'/4 m | 64.0 lbs/29.1 kg | Ø 6"/160 mm | 890/1500 | 470 - 820/800 - 1400 |
| Accessories | | | SmartArmExtension | Extension | Extension |
| Product no: | Halogen light: | Damper: | from 10-14'/3-4 m: | from 14-17'/4-5 m: | from 14-20'/4-6 m: |
| MSA-125-3/-4 | HL-20/24-125 | D-125 | SAE-125-4 | PA-110 | PA-220 |
| MSA-160-3/-4 | HL-20/24-160 | D-160 | SAE-160-4 | PA-110 | PA-220 |
| MSA-200-3/-4 | HL-20/24-200 | D-200 | SAE-200-4 | PA-110 | PA-220 |
| MSAS-125-3/-4 | Not available | Not available | SAES-125-4 | PA-110 | PA-220 |
| MSAS-160-3/-4 | Not available | Not available | SAES-160-4 | PA-110 | PA-220 |

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