

<b>PLYMOVENT®</b>	TECHNICAL DESCRIPTION	
MiniMan	© Copyright 2008: All rights reserved. All information within this printed matter may not be reproduced, handed over, copied, xeroxed or translated into another language in any form or means without written permission from Plymovent AB. Plymovent AB reserves the right to make design changes.	

# MiniMan

The PlymoVent "MiniMan" extraction arm is a very flexible and efficient extractor for dust, welding fumes, soldering fumes, oilmist, fumes from solvents etc. The inner tubes are coupled by a gas spring (standing arm) or balancing strap (hanging arm). The construction allows a stepless positioning within the operating range. The MiniMan arm has an extremely smooth movement. The MiniMan reaches high above its mounting height and is manoeuvrable through 360°. Both inner and outer tubes are made of light, smooth aluminium tubing. This not only makes the arm rugged but also minimizes the total weight and noise level, even at high extraction rates. As an option there is a shut-off damper on the outer tube in plastic to minimize the noise level when the damper is shut. The shut-off damper control knob has several distinct positions which makes it possible to fine tune the airflow through the arm.

## Advantages

- CLEAR-THRU design- all components on the outside of the tubes, resulting in less pressure drop.
- Supplied assembled - thus reducing installation time and cost.
- Gas springs/balancer strap which balance the arm in any position - giving very smooth movement characteristics.
- Easy flexible hose removal - allowing easier cleaning or hose replacement.
- In diameter; Ø 75mm, Ø 3" and two lengths 1,0 and 1,5 m (3,3' and 5') - for all needs.
- External joints for easy adjustment.
- Damper with accurate damper control (accessory). Less noise when the damper is shut and stays in position at any airflow.



## Delivery

The arm is delivered completely assembled. To accomplish a variety of mounting solutions it can be combined with stanchions PA-110, PA-220.

## Technical data

MMS-75-10(3,3')  
MMS-75-15(5')

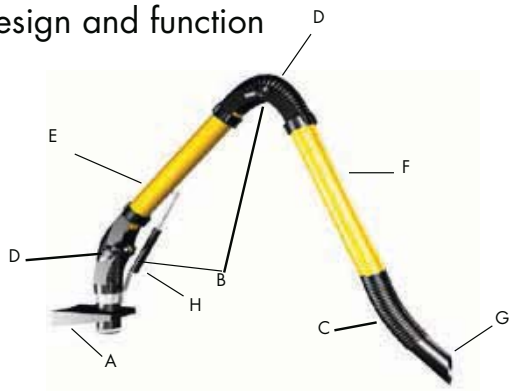


MMH-75-10(3,3')  
MMH-75-15(5')



Prod. no.	Max. working radius m/ft	Hose diameter mm/in.	Rec. airflow m³/h	Rec. airflow CFM
MMS-75-10	1,0/3'	75/3"	75-250	44-147
MMS-75-15	1,5/5'	75/3"	75-250	44-147
MMH-75-10	1,0/3'	75/3"	75-250	44-147
MMH-75-15	1,5/5'	75/3"	75-250	44-147

## Design and function



- A. Wall support
- B. Inner joint and middle joint with friction brakes.
- C. Flex hose.
- D. Flame resistant hose made from PVC coated woven polyamide with internal steel spiral.
- E. Aluminium inner arm tube.
- F. Aluminium outer arm tube, with the ability to add a damper as an accessory.
- G. Standard nozzle.
- H. Gas spring.



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- G. Standard nozzle.
- H. Balancing strap.

### Handling

- 1 Collar use to manoeuvre nozzle/arm.

### Nozzle/Hood operation

The black, powder coated aluminium nozzle/hood can be angled 55° to all direction.

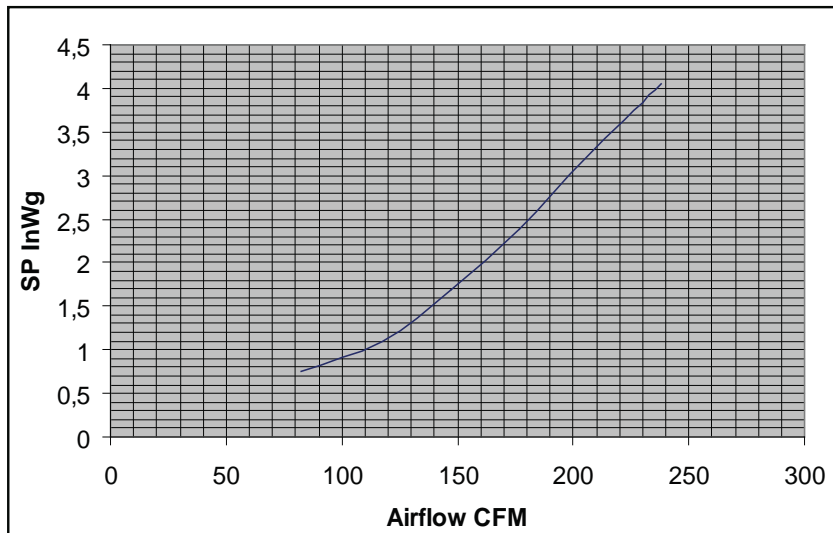


### Pressure loss

The pressure loss chart below shows the average pressure loss through the MiniMan

The following aspects affect the pressure loss in the MultiSmart® Arm:

1. The diameter of the arm; Ø 75(3").
2. The air volume through the arm.
3. Number of bends in the arm and the sharpness of the bends.



# Working radius MiniMan

