



TECHNICAL DESCRIPTION

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Replace:

MiniMan

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MiniMan

The PlymoVent "MiniMan"^{extraction} arm is a very flexible and efficient extractor for dust, welding fumes, soldering fumes, oil mist, 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 has an extremely smooth movement. The MiniMan reaches high above its mounting height and is maneuverable through 360°. Both inner and outer tubes are made of light, smooth aluminum 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 with a rubber sealing lip to minimize the noise level when the damper is shut. The shut-off damper control knob has several distinct positions which make 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/rubber 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 100mm, Ø 4" and two lengths 1,5 and 2,1 m (5' and 7') - for all needs.
- External joints for easy adjustment.
- Rubber sealed 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-100.

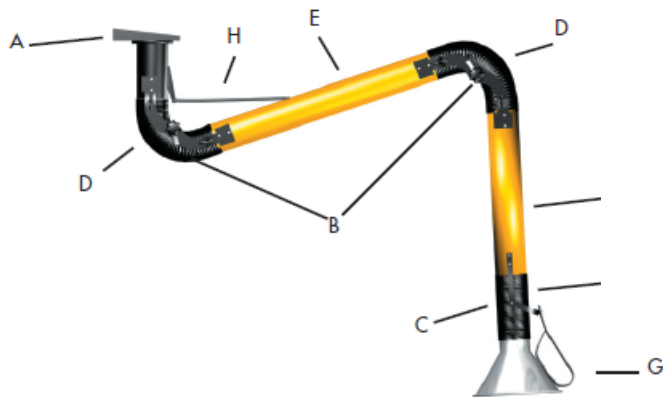
Technical data

MMH-100-15(5')
MMH-100-21(7')



| Prod. no. | Max. working radius m, ft. | Hose diameter mm, in | Recommended airflow m ³ /h, CFM |
|-------------|----------------------------|----------------------|--|
| MMH-100-1.5 | 1.5/5 | 100/4 | 200 – 500 / 118 - 294 |
| MMH-100-2.1 | 2.0/7' | 100/4 | 200 – 500 / 118 - 294 |

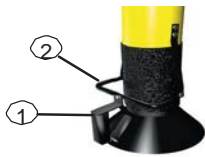
Design and function



- A. Wall support
- B. Inner joint and middle joint with friction brakes.
- C. Spring washers in all joints.
- D. Flame resistant hose made from PVC coated woven polyamide with internal steel spiral.
- E. Aluminum inner arm tube.
- F. Aluminum outer arm tube, with the ability to add a damper as an accessory.
- G. Hood, constructed from aluminum, including safety mesh.
- H. Gas spring.

Handling

- 1 Hand grip for the hood/arm.
- 2 Easy-to reach external support mechanism.



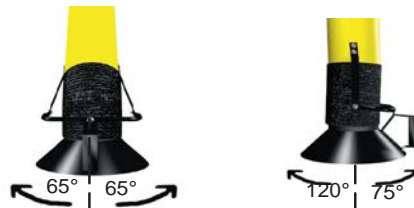
- 3 Switch for halogen lamp cartridge; see accessories HL-20/24-100.

- 4 Switch for manual start/stop of fan or damper; see accessories SA-24, ES-90 or ASE-12.



Hood operation

The black, powder coated aluminum hood can be angled 65° to the side, 75° forwards and 120° backwards.



Pressure loss

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

The following aspects affect the pressure loss in the MiniMan:

1. The diameter of the arm; Ø 100(4").
2. The air volume through the arm.
3. Number of bends in the arm and the sharpness of the bends.

