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clean air at work

# MINIMAN-75

## EXTRACTION ARM

The MiniMan-75 is a compact flexible arm, which is ideal for all types of smaller dust and fume applications.

The arm is fitted with exterior friction joints. The inner tubes are kept in place by a gas spring (standing arm) or a balancing strap (hanging arm). This design ensures smooth movement of the arm.

The MiniMan-75 arm is available in different versions.
The specific TopGrade arms have a distinctive colour and are meant for use in clean working environments, such as laboratories.



MiniMan type
MM-75-1.0/**S**



MiniMan type
MM-75-1.0/**H**

## APPLICATIONS

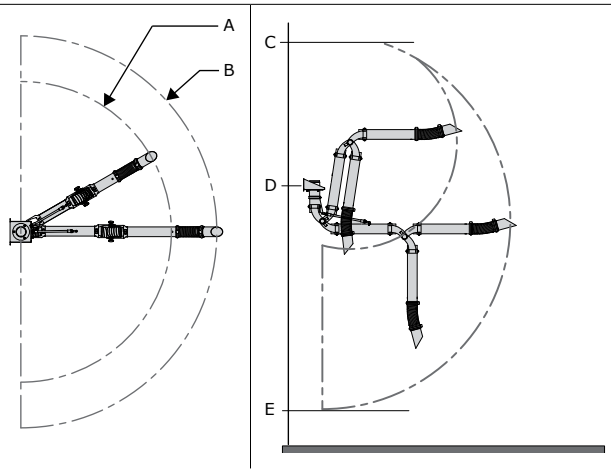
| |
|---|
| The standard MiniMan-75 arm (yellow) is intended to be used for the following applications:<br>• soldering fumes<br>• airborne dust<br>• fumes from solvents |
| The MiniMan-75 TopGrade arm (fully white) is especially suitable for use in laboratories in the pharmaceutical, chemical and food processing industry. |

## SPECIFICATIONS

| | | |
|---|---|---|
| **Physical dimensions and properties** | | |
| Diameter | Ø 75 mm (3 in.) | |
| Material:<br>• tubes<br>• hoses | <br>• aluminium<br>• PVC with internal steel spiral; flame-retardant | |
| Colour:<br>• tubes<br><br>• hoses | standard arm<br>• yellow RAL 1004<br>• black | TopGrade<br>• white RAL 9010<br>• white |
| **Performance** | | |
| Recommended airflow<br>• min. airflow | 100-250 m³/h (59-147 CFM)<br>• 100 m³/h (59 CFM) | |
| **Ambient and process conditions** | | |
| Process temperature:<br>• min.<br>• nom.<br>• max. | <br>• 5°C (41°F)<br>• 20°C (68°F)<br>• 70°C (158°F) | |
| Max. relative humidity | 90% | |
| Suitable for outdoor use | no | |
| Storage conditions | • 5-45°C (41-113°F)<br>• relative humidity max. 80% | |
| **Options and accessories** | | |
| DAMPER-75 | sealed shut-off valve | |
| MM-001/B | round extraction hood (Ø 150 mm / 5⅞ in.) | |
| MM-004 | transparent dome hood (Ø 385 mm / 15⅛ in.) | |
| MM-005 | table bracket (only for MiniMan **S** types) | |

| | |
|---|---|
| **Product combinations** | |
| PA-110/160 \| PA-220/160 | stanchion + ducting |
| Extraction fan:<br>• FUA-1800<br>• FUA-2100<br>• FUA-3000<br>• FUA-4700 | suitable for:<br>• 3-4 MiniMan arms<br>• 5-6 MiniMan arms<br>• 9-10 MiniMan arms<br>• 15-16 MiniMan arms |
| **Scope of supply** | |
| Extraction arm (fully assembled) \| Mounting bracket | |
| **Order information** | |
| Number/package | 1 |
| **Logistics data** | |
| Packing dimensions | 1100 x 300 x 200 mm (43¼ x 11¾ x 7⅞ in.) |
| Max. number/pallet | 10 |
| Harmonized Tariff Code | 84219990 |

## WORKING REACH




| | MM-75-1.0/H | | MM-75-1.5/H | | |
|---|---|---|---|---|---|
| | mm | inch | mm | inch | |
| **A** | 1160 | 46 | | | |
| **B** | | | 1512 | 60 | |
| **C** | 2250 | 89 | 2500 | 98 | |
| **D** | 1500 | 59 | 1500 | 59 | *Height from the floor* |
| **E** | 750 | 30 | 250 | 10 | |

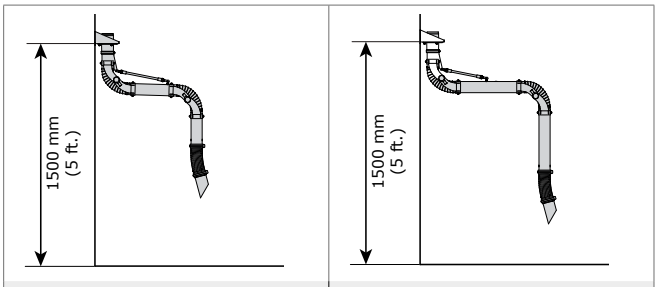
product data sheet

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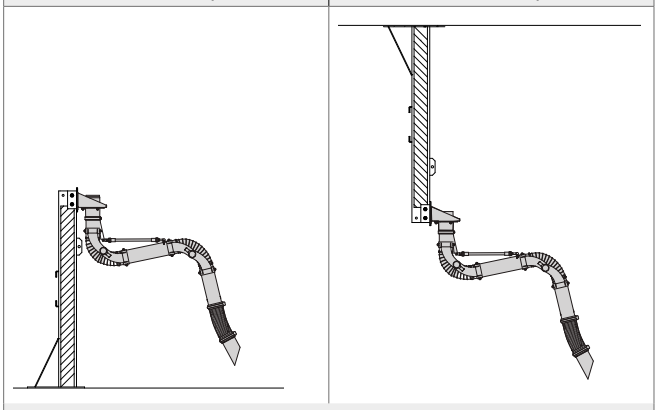
**Remaining specifications**

| Type | MM-75-1.0/H | MM-75-1.5/H | MM-75-1.0/S | MM-75-1.5/S |
|---|---|---|---|---|
| ■ **Physical dimensions and properties** | | | | |
| Mounting position | hanging | hanging | standing | standing |
| Length (nom.) | 1 m (3 ft) | 1,5 m (5 ft) | 1 m (3 ft) | 1,5 m (5 ft) |
| Weight (net) | 4 kg (9 lbs.) | 4,5 kg (10 lbs.) | 4 kg (9 lbs.) | 4,5 kg (10 lbs.) |
| ■ **Order information** | | | | |
| Article no.:<br>• yellow arm<br>• white arm (TopGrade) | <br>0000101100<br>0000101112 | <br>0000101104<br>0000101114 | <br>0000101102<br>0000101113 | <br>0000101106<br>0000101115 |
| ■ **Logistics data** | | | | |
| Gross weight | 4,5 kg (10 lbs.) | 5 kg (11 lbs.) | 4,5 kg (10 lbs.) | 5 kg (11 lbs.) |

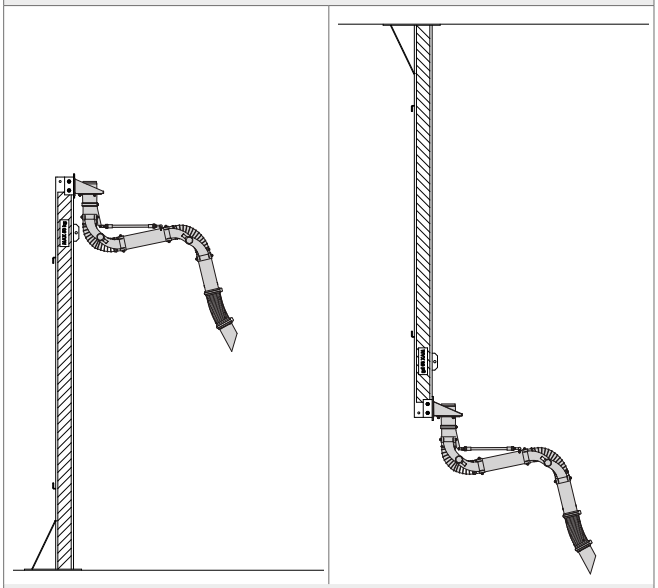
**MOUNTING EXAMPLES "H" TYPES**




MM-75-1.0/H | MM-75-1.5/H

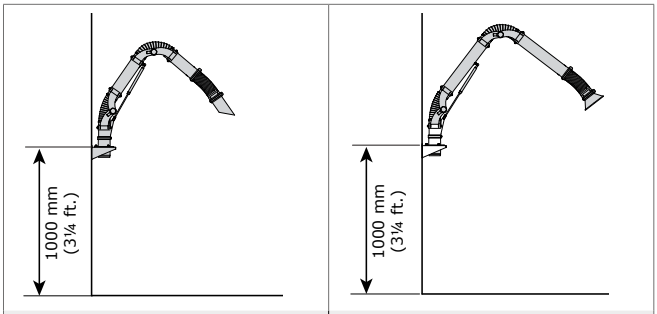


MM-75-1.0/H + PA-110/160

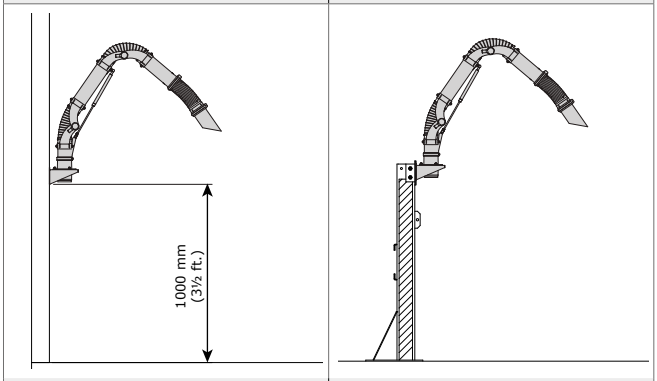


MM-75-1.0/H + PA-220/160

**MOUNTING EXAMPLES "S" TYPES**

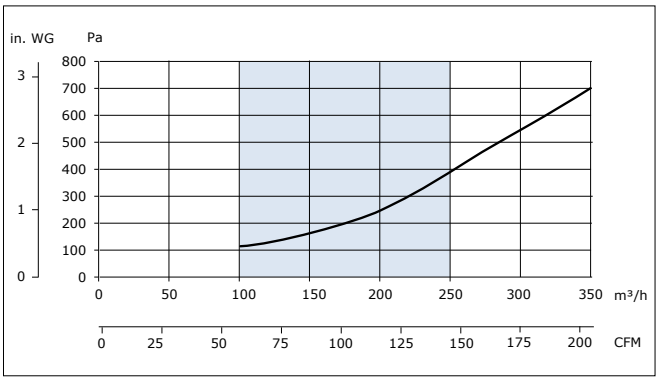



MM-75-1.0/S | MM-75-1.5/S




MM-75-1.0/S | MM-75-1.0/S + PA-110/160

**PRESSURE DROP**



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## FEATURES & BENEFITS




Exterior friction joints ("ClearThru design"), which allows for maximum air velocity, low pressure drop and low noise level



Semi-rigid hose with nozzle



Special TopGrade version for clean working environments

**Application restrictions**
Do **not** use the product for the following applications or in the following circumstances: polishing applications in combination with grinding, welding or any other application that generate sparks (fibres from polishing or abrasive flap disks are highly flammable and pose a high risk of filter fires when exposed to sparks) | aluminium laser cutting | oil mist | heavy oil mist in welding fume | arc-air gouging | extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium) | extraction of hot gases (more than 70°C/158°F continuously) | grinding aluminum and magnesium | flame spraying | extraction of cement, saw dust, wood dust etc. | sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids | explosive environments or explosive substances/ gases

| | |
|---|---|
| Product type | **MiniMan-75** |
| Article no. | *refer to Order information* |
| Product category | extraction arms |
| Version | 091122/0 |

Always check the latest version on **www.plymovent.com**