

FUMEX[®]

ME



**The optimal design
for laboratory extractors**

With its optimal design, the Ø 75 mm FUMEX ME has a very low pressure drop, which gives many valuable benefits.

- Low pressure drop always saves energy.
- Ventilation noise is reduced.
- Lower pressure drop is achieved without selecting a larger diameter extractor.
- Lower pressure drop will allow the ME to be integrated into extractor systems together with other extract devices.

The unique design and stable mounting brackets will make the FUMEX ME your best choice for lab environments.

Support for designing an efficient facility is available on page 4 or at www.fumex.com.

For additional information, please contact FUMEX.

The Fumex range also includes fans, accessories, automatic control gear and filters for local extraction

LOCAL EXTRACTOR
Pure advantages

FUMEX ME

Always choose low pressure drop

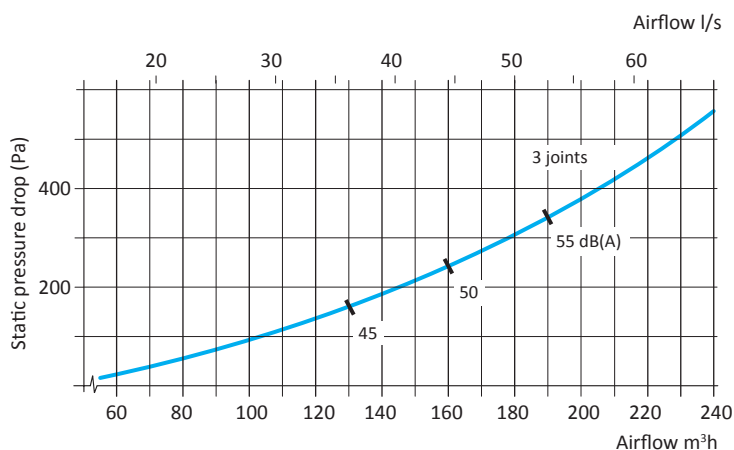
The lowest possible pressure drop is a quality aspect that should always be considered.

With its uniquely designed joint construction, FUMEX ME combines maximum flexibility with low pressure drop. Because the air passes through the joints without creating unnecessary turbulence, the variation in pressure drop between an extractor in a working position and a fully retracted extractor is minimal.



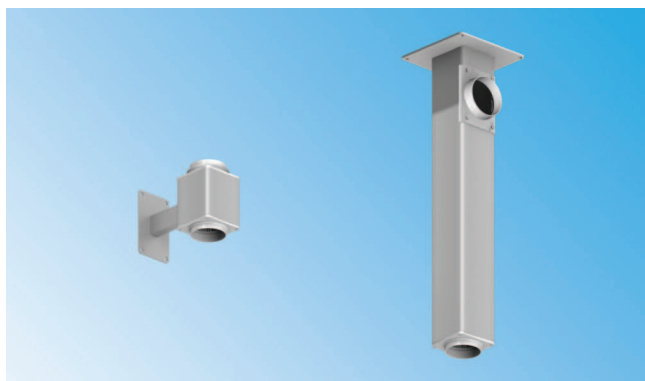
The low pressure drop of FUMEX ME gives several advantages:

- Low pressure drop always saves energy.
- Ventilation noise is reduced.
- Lower pressure drop is achieved without selecting a larger diameter extractor.
- Lower pressure drop will allow the ME to be integrated into extractor systems together with other extraction devices.



Static pressure drop is measured in accordance with ISO standard 5167-1. The noise level is measured in accordance with ISO standard 3743.

Appealing stable brackets



All FUMEX laboratory local extractors have as standard a full swivel that allows 360° of rotation without special sleeves or double wall brackets. Both ceiling- and wall brackets consist of square-shaped anodised aluminium that provides a proper and stylish installation. Moreover, the ceiling bracket functions as a duct, thus avoiding the need for expensive external ducting and additional holes through false ceilings. The installation is simple and stable. The ceiling bracket is available in eight standard lengths, from 0,25 to 2,0 m.

Gas spring support the weight of the extractor. METS



As standard, the ME will have an internal spring located in the first articulating joint to support the weight of the arm. For arms 1,5 and 2 meters in length, the ME can be equipped with an external gas spring to support the weight of the arm and allow for better stability and flexibility.

FUMEX ME

Several configurations to meet customers' needs



Standard
Joints in polypropylene and tubes in aluminum, fit most lab environments.



PP
Joints and tubes in polypropylene, used in environments with aggressive contaminants.

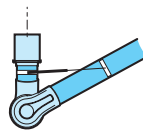
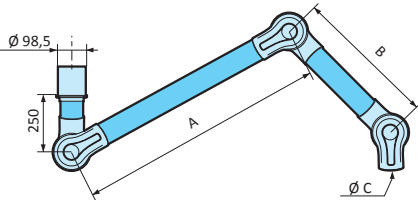


ATEX
Joints and tubes in conductive polypropylene, used for extraction of contaminants in explosive environments. In compliance with ATEX directive 94/9/EC.

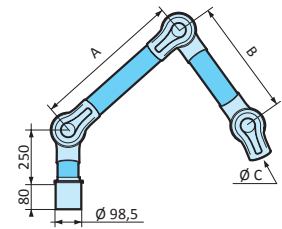


ESD
Joints and tubes in conductive polypropylene. E.g. used in the electronics industry, for example. Certified according to EN 61340-5-1.

Models



Model with gas spring* **METS**



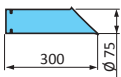
Ceiling mounting and wall mounting

| Designation | Designation | | | Dimensions (mm) | | | Weight |
|---------------|-------------|----|-----|-----------------|-----|----|--------|
| | Standard | PP | ESD | ATEX | A | B | Ø C |
| MET 1000-75 | PP | ES | EX | 400 | 300 | 75 | 2,25 |
| MET 1300-75 | PP | ES | EX | 550 | 450 | 75 | 2,60 |
| MET 1500-75 | PP | ES | EX | 750 | 450 | 75 | 2,75 |
| MET 2000-75 | - | - | - | 1000 | 650 | 75 | 3,25 |
| *METS 1500-75 | PP | ES | EX | 750 | 450 | 75 | 2,75 |
| *METS 2000-75 | PP | ES | EX | 1000 | 650 | 75 | 3,75 |

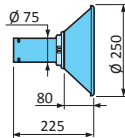
Table mounting

| Designation | Designation | | | Dimensions (mm) | | | Weight |
|-------------|-------------|----|-----|-----------------|-----|----|--------|
| | Standard | PP | ESD | ATEX | A | B | Ø C |
| MEB 1000-75 | PP | ES | EX | 400 | 300 | 75 | 2,25 |
| MEB 1300-75 | PP | ES | EX | 550 | 450 | 75 | 2,60 |
| MEB 1500-75 | PP | ES | EX | 750 | 450 | 75 | 2,75 |

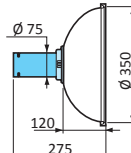
Hoods



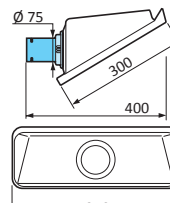
SUCTION NOZZLE
MES 300-75 (PP, E)



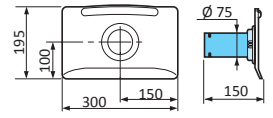
METAL HOOD
MEM 250-75 (E) Standard
MEMB 250-75 With working light



DOME HOOD
MEK 350-75 (PP, E)



SQUARE HOOD
MESH 350-75 (PP)



FLAT SCREEN HOOD
MEPH 300-75 (PP, E)

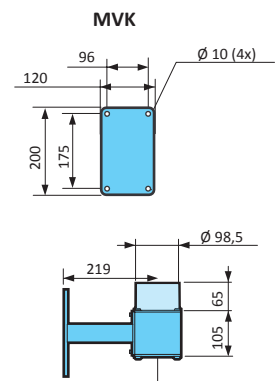
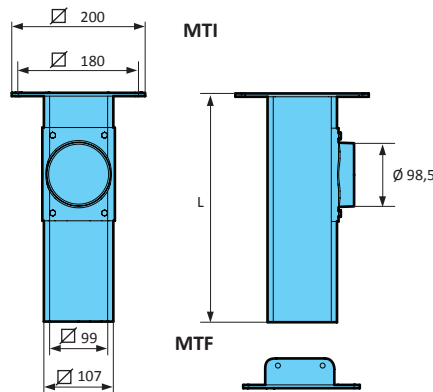
Brackets

All brackets have Ø 100 mm duct connections.

Ceiling bracket MTI

The ceiling bracket can be fitted with sleeves both below and above a false ceiling; in the latter case preferably together with MTI CT. MTI can be supplied in lengths over 2 meter upon request. For aggressive environments, we recommend the MTI ceiling bracket, supplied with an internal epoxy coating.

| Designation for model 75 | Dimensions (mm) | | Weight | |
|--------------------------|-----------------|------|--------|------|
| Standard | ESD | ATEX | L | kg |
| MTI 250 | ES | EX | 250 | 3,15 |
| MTI 500 | ES | EX | 500 | 3,80 |
| MTI 750 | ES | EX | 750 | 4,50 |
| MTI 1000 | ES | EX | 1000 | 5,15 |
| MTI 1250 | ES | EX | 1250 | 5,80 |
| MTI 1500 | ES | EX | 1500 | 6,45 |
| MTI 1750 | ES | EX | 1750 | 7,10 |
| MTI 2000 | ES | EX | 2000 | 7,75 |



Wall bracket MVK

| Designation for model 75 | | | Weight |
|--------------------------|-----|------|--------|
| Standard | ESD | ATEX | kg |
| MVK | ES | EX | 2,15 |

Reach at recommended installation height

The following installation heights and lateral placements in relation to the work space are recommended for optimised extraction.

Recommended installation height

| Designation | H mm |
|-------------|-----------|
| MET 1000-75 | 1700-2000 |
| MET 1300-75 | 1900-2200 |
| MET 1500-75 | 2000-2300 |
| MET 2000-75 | 2200-2500 |

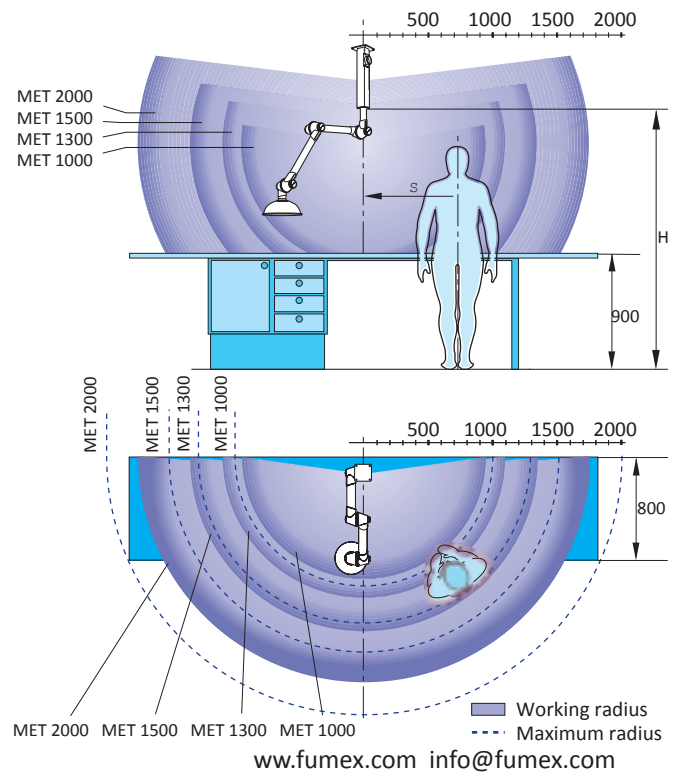
Recommended side displacement

in relation to the workarea

| Designation | S mm |
|-------------|----------|
| MET 1000-75 | 300-600 |
| MET 1300-75 | 400-700 |
| MET 1500-75 | 500-800 |
| MET 2000-75 | 700-1000 |

Recommended values

| Function | Airflow | |
|------------------------------|---------|-----------------------|
| Laboratories | 40 l/s | 150 m ³ /h |
| Schools - Science classrooms | 40 l/s | 150 m ³ /h |



Technical aids at our website www.fumex.com

FUMEX recommends both the best positions and airflows for our extractors. Good technical support is available at our website to help you choose the right product. The support consists of CAD drawings in both 2D and 3D, specifications and a configurator that helps choosing the optimal extractor positioning.

Contact your nearest FUMEX distributor for a password.



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Download CAD and write-up texts for most commonly used Fumex extractors

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Ceiling mounted extractor Ø75mm, L=1,5 m with dome hood and ceiling bracket L=1 m

- 2D DWG (258 Kb)
- 2D PDF (116 Kb)
- 3D DWG (5645 Kb)
- 3D IGS (2759 Kb)
- 3D PDF (3224 Kb)
- 3D STEP (1406 Kb)

Planning advice

- Write-up text (PDF, 36 Kb)
- Project planning advice (PDF, 311 Kb)

Brackets

Brackets for 50 and 75 mm arms

Ceiling bracket, L=500 mm

- MTI500.dwg.zip
- MTI500.IGS.zip
- MTI500.PDF

Ceiling bracket, L=750 mm

- MTI750.dwg.zip
- MTI750.IGS.zip
- MTI750.PDF

Ceiling bracket, L=1000 mm

- MTF1000-100.IGS.zip
- MTF1000-100.PDF
- MTF1000-100.STEP.zip

Material description

Friction joints

Ball-bearing-equipped adjustable friction joints in polypropylene (PP) with guide ring of low-friction treated rubber. Support springs and other component parts in zinc-plated steel or stainless steel.

Tubes

Made from thin-wall anodised aluminum, alternatively from polypropylene. Air-tight damper supplied as standard.

Delivery

Ceiling - Supplied assembled excluding hood or nozzle.
MET MTI or MTF ceiling bracket ordered separately.

Wall - assembled, complete with MVK wall bracket, excluding hood or nozzle.

Table - assembled, with mounting plate for table mounting, excluding hood or nozzle. Flexible table bracket MBF ordered separately.