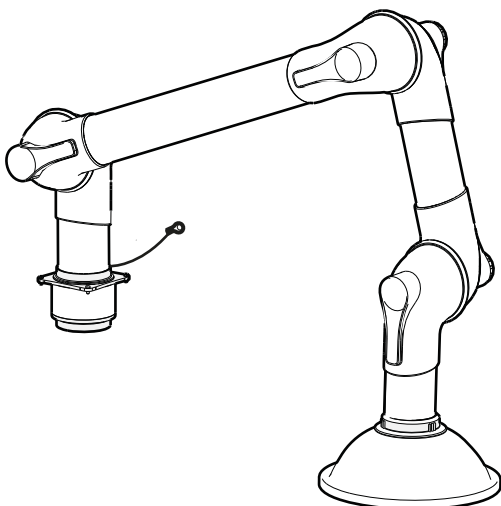
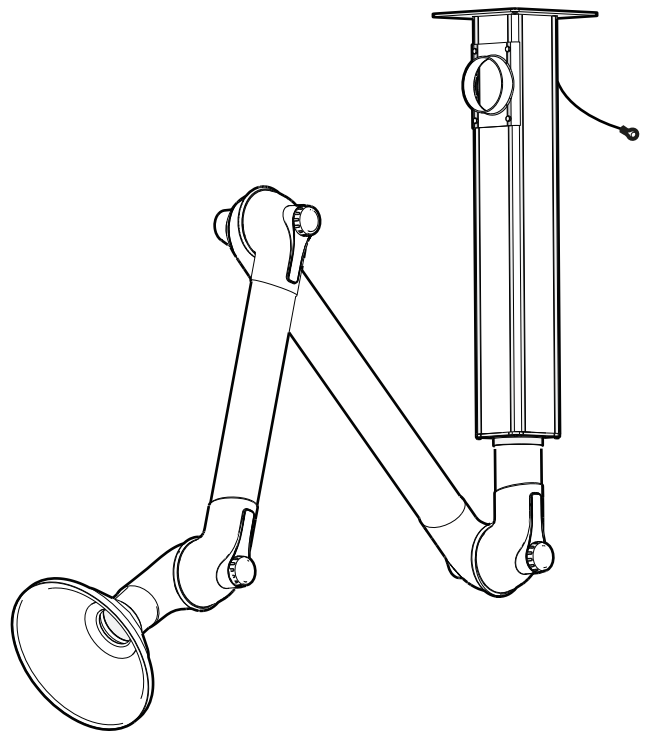
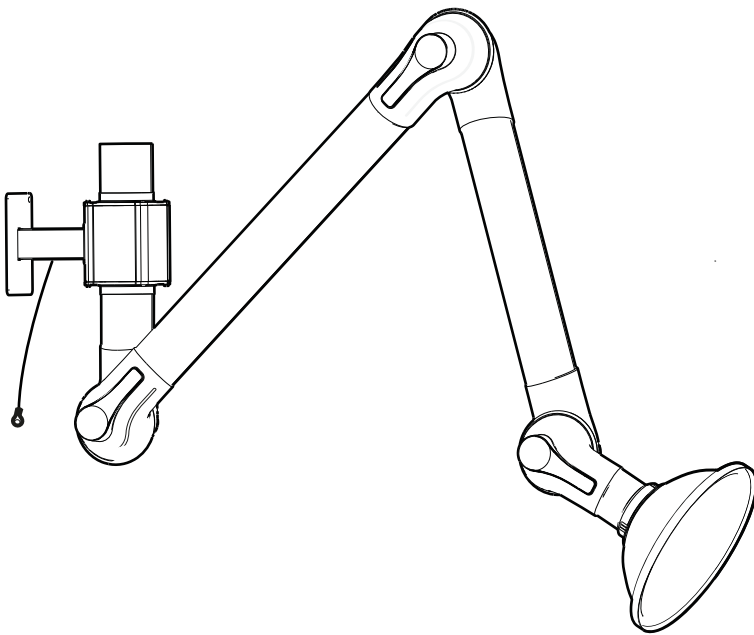


MANUAL

MOVEX ME 75 EX



Contents

Important information	3
Applications	3
Technical data	3
Installation and use	4-6
Cleaning	7
Service and repairs	7
Spare parts and accessories	8-9
Testing and troubleshooting	10
Log book for measuring resistance	10
Notes	11

Important information

NOTE: Read the instructions carefully before installing and using this equipment.

The local extractor in the ME EX series is designed to meet the requirements in the ATEX directive 94/9/EC, applicable to equipment intended for use in potentially explosive atmospheres. In order to maintain explosion proof integrity, you must observe the instructions in this manual. Only personnel with the right qualifications may handle this equipment when installing or for service and repairs. Only use original spare parts when repairing the equipment in order to maintain explosion proof integrity. Contact your nearest dealer or head office when purchasing spare parts or if you have technical queries.

Note that all other equipment in the explosively hazardous environment must also be intended for use in this environment to avoid any risk of explosion.

Applications

The local extraction in the ME EX series is intended for use in environments where the atmosphere may be explosive as a result of air and gas mixtures, mist, steam or dust, in otherwise normal circumstances as regards temperature and air pressure. The equipment thereby meets the requirements for equipment category 2 for gas and dust, which means that it is suitable for use in zones 1 or 21, where gas or dust can sometimes be expected to occur. This means that the equipment is also suitable for use in zones 2 or 22, where gas or dust occurs only occasionally.

Do not use the equipment in environments where there are substances that attack or react with the material it consists of, see material specification in "Technical data", as such substances may degrade the explosion proof integrity of the equipment or cause a risk of explosion when reacting. If in doubt, contact your nearest dealer or head office.

The equipment should not be used for non-conductive dust with MIE < 4 mJ if there is a risk that the dust is, or could become, highly charged (MIE = Minimum Ignition Energy).

Do not hang objects or suchlike on the arm as it is not designed for such purposes. Note that the proprietor is responsible for the classification and zone division of the workplace.

Technical data

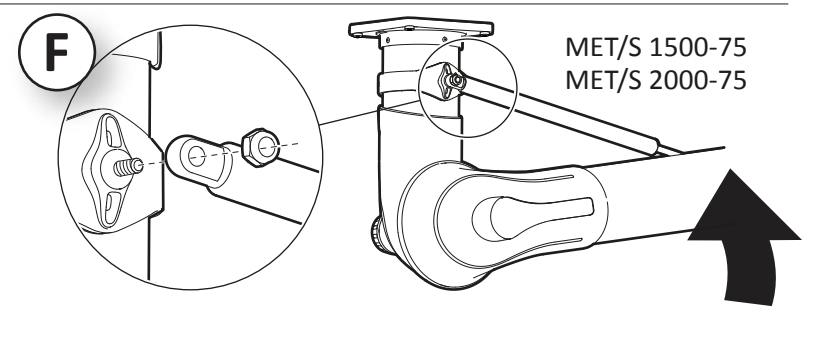
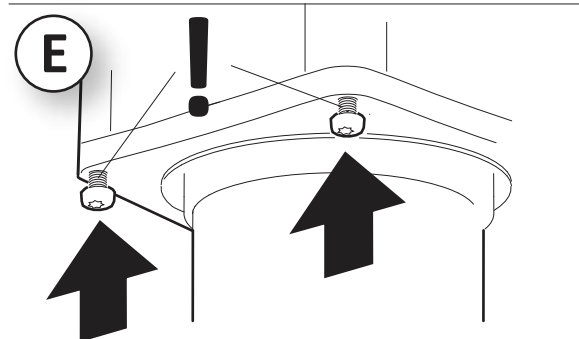
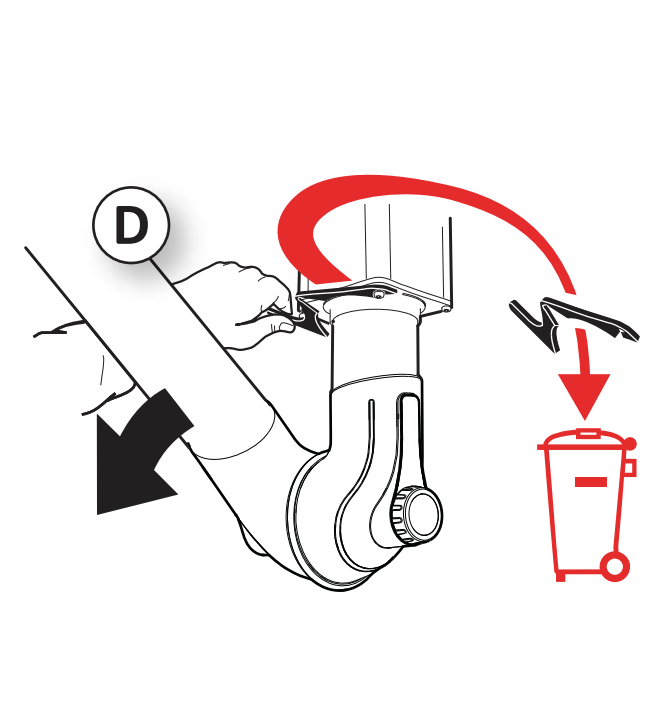
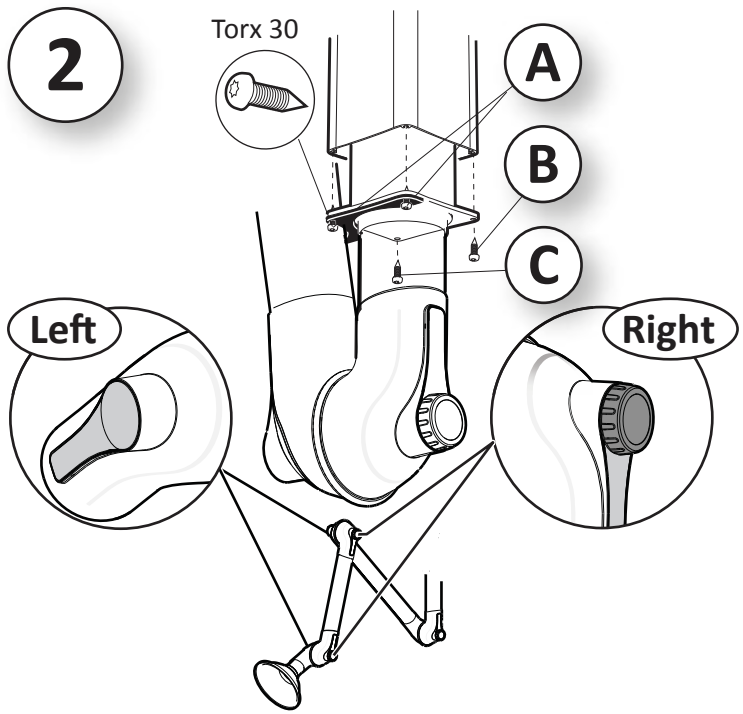
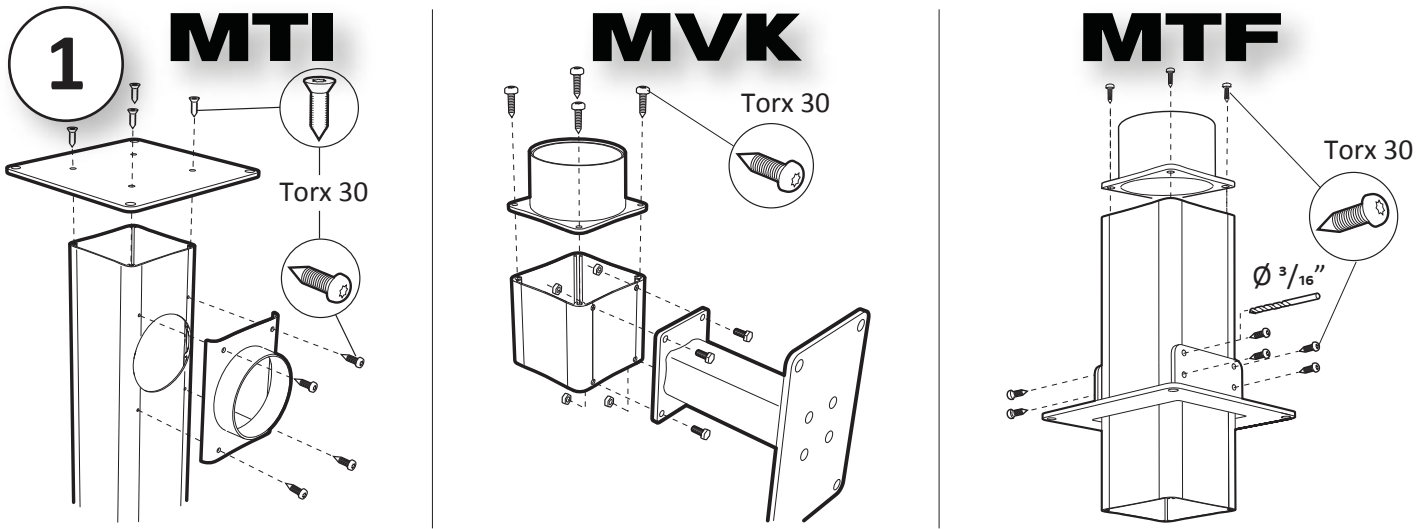
Suitable for use in zones	1, 2 (gas) och 21, 22 (dust)
Rec. ambient temperature	50 °F to 104 °F
Dimension	Ø3"

Material ME EX:

Plastic details	Conductive PP, R< 200kΩ
Damper blade	Conductive PP, and TPE

Installation and use

The equipment can be delivered partially assembled and installed as per the following description. The equipment can be mounted on a wall or to the ceiling using special brackets. Measure a suitable height for the bracket before mounting the arm to the wall, and check that the existing air duct reaches the hose when fitting to the ceiling, see figures.

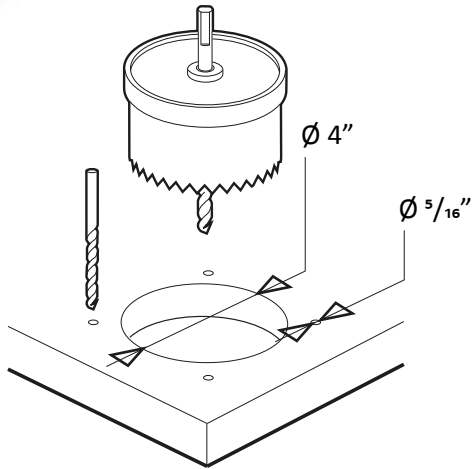


- 1) Fit the wall bracket
- 2) Instal the arm to the bracket. Fit the ground cables to the wallbracket.

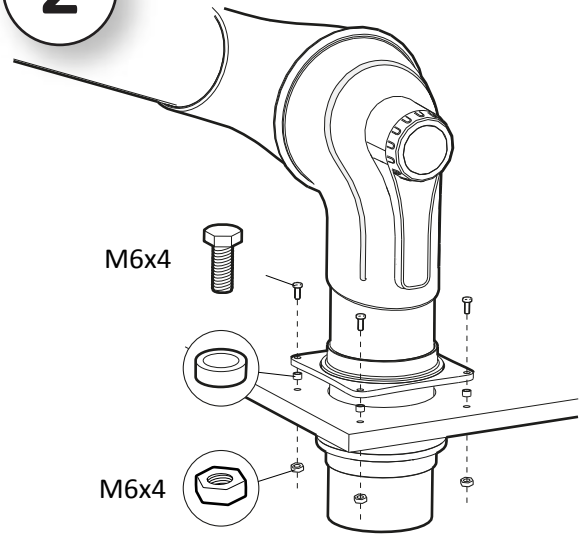
Use attachment that is dimensioned for the weight of the arm. Also check that the bearing capacity of the wall or ceiling is adequate.

1

MEB

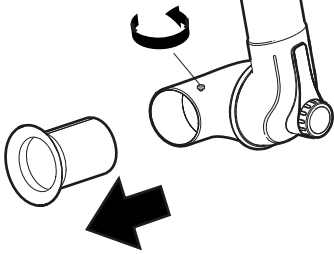


2

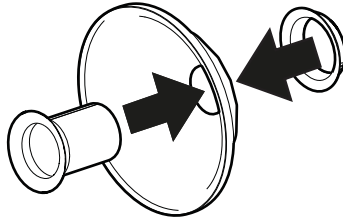


3

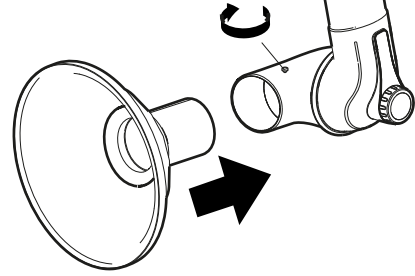
A



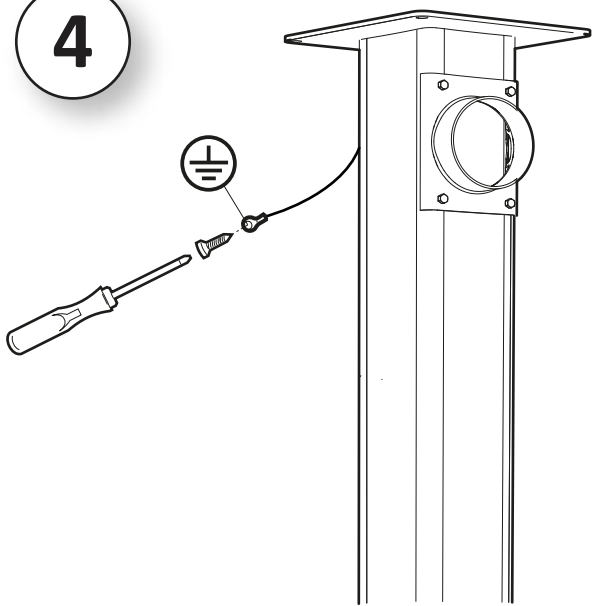
B



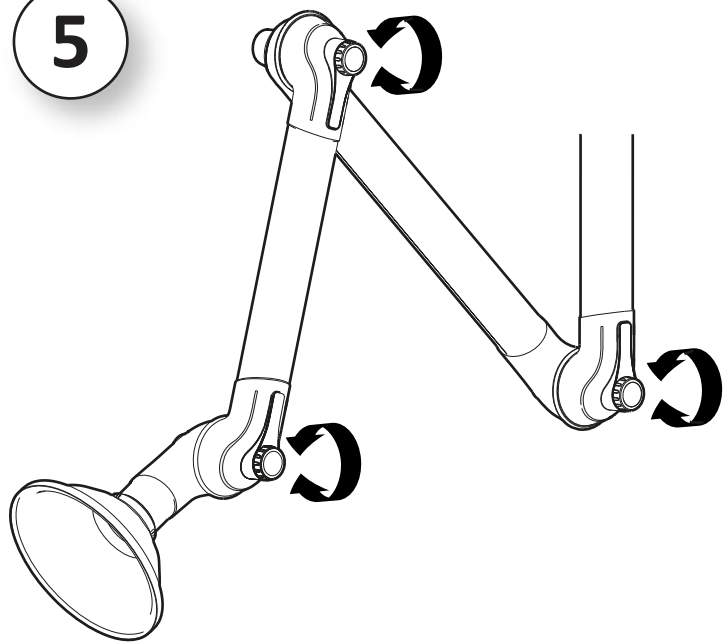
C



4



5



- 5) Ensure that proper electrical contact is made.
Connect the ground cable on the bracket to a suitable connection point with the grounding system of the installation.

Important: Take the appropriate action if a risk of corrosion has been assessed at the connection point.

- 6) Tighten the friction joints to an appropriate torque allowing the extraction arm to be easily set and retain its set position without dropping. Where applicable, check that the ground cables across the joints move freely in all directions and that there is no risk of them getting caught in the arm or other objects.

Important: Prior to initial operation, the resistance of the arm must have been measured at a satisfactory value as per “Testing and troubleshooting” and the connection to the earth system must have been checked.

NOTE:

Personnel working in environments where an explosive atmosphere may arise, as well as all other people that enter the area, must be aware of the risks involved.

- Ensure that sparks or objects that may give rise to sparks are not sucked in.
- Guard the suction head and supporting arm against impacts from hard objects.
- When extracting different kinds of dust in combination, start by ensuring that the mix is not ignitable, such as grinding dust from iron in combination with aluminium dust.
- Ensure that objects or people that may be electrostatically charged cannot come into contact with the equipment.
- Avoid charging of non-conductive dust.
- Avoid hygroscopic dust or dust that may stick
- Exercise caution where hybrid mixtures of gas and dust are involved, as they are more easily ignited than the safety data shows individually for the solvent and powder used.

Cleaning

Clean the extraction arm in the same way as the other equipment at the worksite, however, at least once a year.

Clean when there is no risk of explosion in the environment. Observe the risk of electrostatic discharge from people or cleaning tools where there are dust deposits. People are recommended to wear semi conductive shoes and suitable clothing when cleaning where there is dust with MIE < 30 mJ.

Wear respiratory protective equipment and other appropriate personal safety equipment when cleaning.

For dry cleaning: Vacuum and dry externally and internally where necessary.

For wet cleaning: Check that the solvent does not attack any of the material used in the equipment, see "Technical data". Observe manufacturer dosing instructions. Allow the equipment to dry before using again.

Remeasure the resistance to ground as per "Testing and troubleshooting" before using the extraction arm again.

Service and repairs

In addition to the routine cleaning, the equipment must be remeasured with respect to the resistance where necessary, or at least twice per year as per "Testing and troubleshooting". Remeasure each time the equipment is worked on.

You should check the connections at the earth lines, spiral hose and earth point at the same time as the resistance measurement in order to identify any corrosion or loose connections. This is particularly important if the equipment is used in damp or corrosive environments.

Carry out service and repairs when there is no risk of explosion in the environment. People are recommended to wear semi conductive shoes and suitable clothing when servicing where there is dust with MIE < 30 mJ.

Only use original spare parts when needed; see "Spare parts and accessories".

Spare parts and accessories

Always state the type designation and serial number of the arm (see rating plate on arm), the number of required spares and the spare part name and number as per the list below, when ordering spare parts or accessories.

Ceiling brackets in EX design are available as accessories for ME EX arms. Fit these according to the instructions in this manual; see "Installation and use". Never use any other accessories for ME EX arms as this may jeopardize the explosion protection.

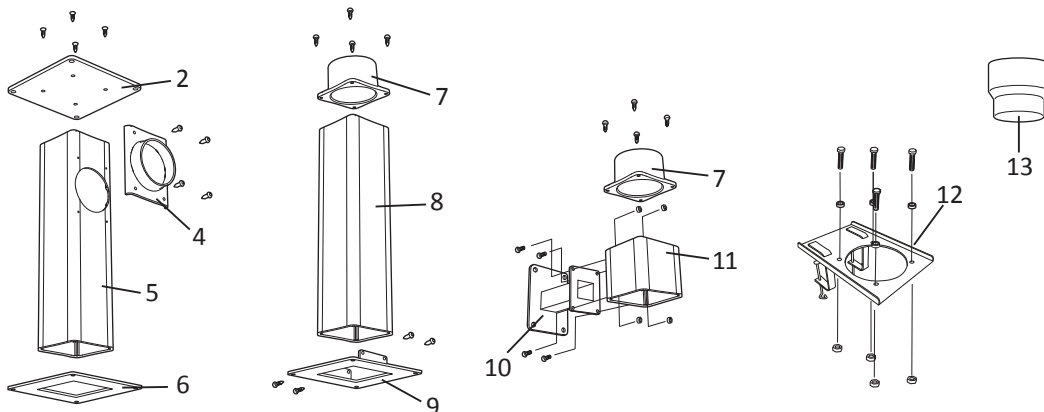
- Connection tube w/sviwel
- A-tube L = 15 ³/₄"
- A-tube L = 21 ⁵/₈"
- A-tube L = 29 ¹/₂"
- A-tube L = 39 ³/₈"
- B-tube L = 11 ¹³/₁₆"
- B-tube L = 17 ¹¹/₁₆"
- B-tube L = 25 ⁹/₁₆"
- Complete hood joint
- Tension knob, black
- Internal spring
- Gas spring, tension type
- Gas spring holder (collar), black
- O-ring
- Axis

MET 1000-75EX	MET 1300-75EX	MET/S 1500-75	METS 2000-75
ME 102320EX	ME 102320EX	ME 102320EX	ME 102320EX
ME 102331EX			
	ME 102329EX		
		ME 102327EX	
			ME 102325EX
ME 102318EX			
	ME 102316EX	ME 102316EX	
			ME 102314EX
ME 102312EX	ME 102312EX	ME 102312EX	ME 102312EX
ME 123081	ME 123081	ME 123081	ME 123081
ME 102143-01	ME 102147-01	ME 102152-01	
		ME 100342	ME 100342
		ME 105-560-02	ME 105-560-02
ME 9529063	ME 9529063	ME 9529063	ME 9529063
ME 100047	ME 100047	ME 100047	ME 100047

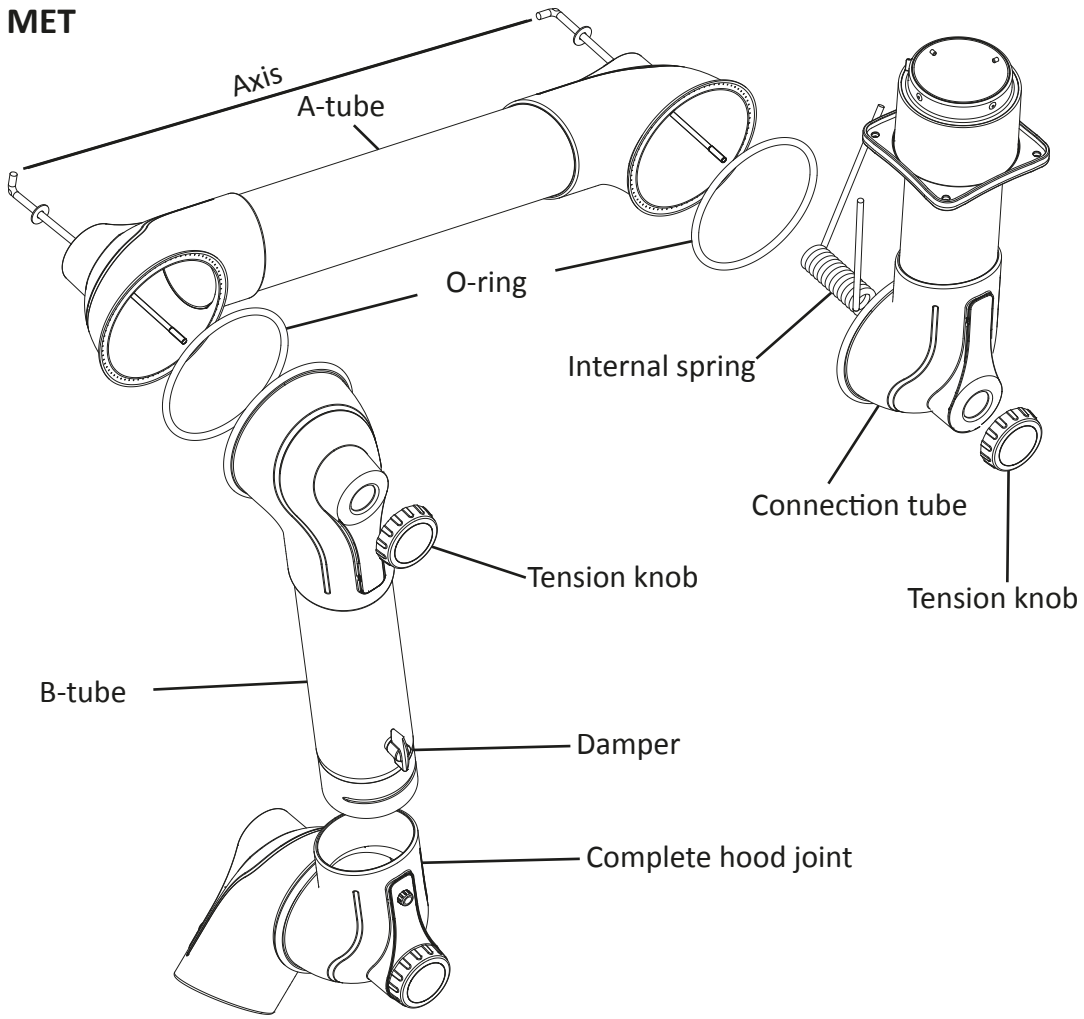
- Connection tube w/sviwel
- A-tube L = 15 ³/₄"
- A-tube L = 21 ⁵/₈"
- A-tube L = 29 ¹/₂"
- B-tube L = 11 ¹³/₁₆"
- B-tube L = 17 ¹¹/₁₆"
- Complete hood joint
- Tension knob, black
- Internal spring
- O-ring
- Axis

MEB 1000-75EX	MEB 1300-75EX	MEB 1500-75
ME 102320EX	ME 102320EX	ME 102320EX
ME 102331EX		
	ME 102329EX	
		ME 102327EX
ME 102318EX		
	ME 102316EX	ME 102316EX
ME 102312EX	ME 102312EX	ME 102312EX
ME 123081	ME 123081	ME 123081
ME 102147-05	ME 102149-05	ME 102154-05
ME 9529063	ME 9529063	ME 9529063
ME 100047	ME 100047	ME 100047

Always state the type designation and serial number when ordering spare parts or accessories.

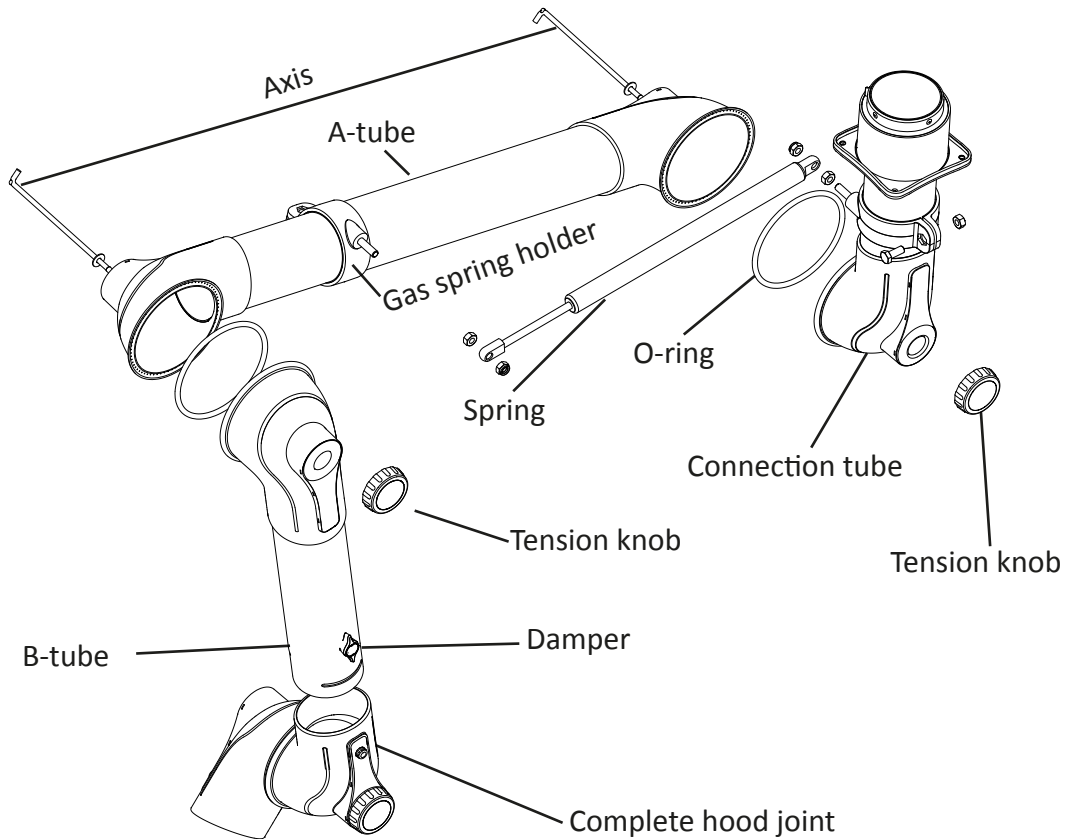


MET



METS

PLACEHOLDER
SILVER
STICKER



Notes

MOVEX