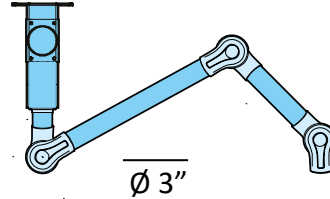


MOVEX®



SPECIFICATION

Product: Movex ME 3" Ceiling Mounted Local Extractor, ATEX edition

Unit shall consist of 3" diameter articulating localized fume extraction arm of three joint designs. Each arm shall be constructed of black conductive polypropylene tubes with black conductive polypropylene joints in compliance with ATEX directive 94/9/EC. The arms are available in four different standard lengths; 40", 50", 60", and 80".

The friction joints shall have a low turbulence design to combine maximum flexibility with low pressure drop and low noise level. The variations in pressure drop between an extractor in working position and fully retracted shall be minimal. The 3" diameter extractor arm shall have a recommended pressure drop of 0.7 in/wg at 85 cfm in accordance with ISO standard 5167-1.

All extractor arms shall have internal support springs except the 80" length, which is equipped with an external gas spring support.

The mounting arrangements shall provide full 360° swivel functionality between the polypropylene tube and bracket thereby avoiding metal-on-metal contact.

All ceiling mounted extractors are mounted to a single ceiling bracket, eliminating the need of a special joint or flexible connection. Ceiling bracket shall be manufactured in extruded anodized aluminum in a square concave design that are epoxy coated with black conductive ATEX painting, making it rigid to support the weight of the arm. The ceiling bracket works both as a stable bracket and a duct up to the connection for the exhaust duct. This solution only requires one hole through the ceiling and you avoid mounting and additional ventilation duct to the extractor arm. The take out shall be made out of conductive black polypropylene with gasket to avoid any leakage between the take out and aluminum profile. Exhaust connection shall be 4" diameter.

The ceiling bracket comes in eight standard lengths up to 80" with longer brackets on request.

The friction joints are running on ball bearing friction contact for easy and convenient positioning. All friction joints rest on chemical resistant plastic O ring seals and have a 5" large friction diameter.

The ball bearing joint tightening mechanism and large diameter sealed joint shall allow 360° swivel and easy re-positioning using one hand operation without the use of tools or wrenches. Once adjusted, the extractor shall stay in position without sagging.

The joints shall have reinforced indentations to prevent deformation of the joint and to provide uniform pressure on the O ring joint eliminating slippage of the joint or fracturing of the gable and minimizing position slippage.

Each extractor shall be equipped with an integral, air tight, throttle damper positioned in the pipe suitable for the system pressure.

Provide an equal number of 14" diameter dome hoods, 10" diameter metal hoods, or flat screen hoods (12" x 8") to be installed on site.

Please note: CAD Drawings and technical information is available by contacting Movex Inc.

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