

Specification

MiniArm FX - ESD

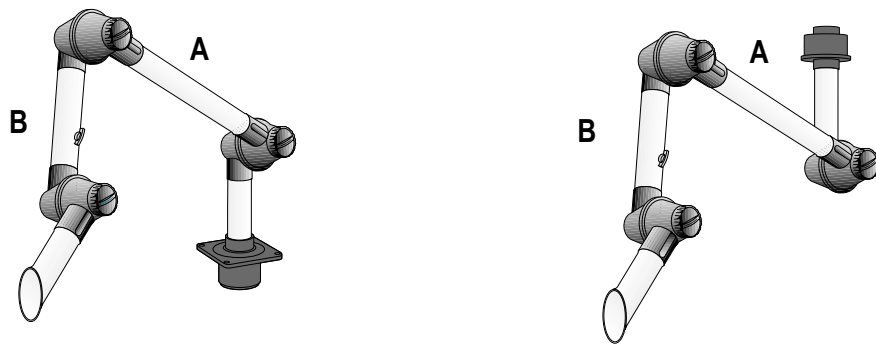
The Nederman Miniarm FX ESD Safe Extractor Arm shall consist of a base and either table mount or ceiling/wall mount, arm tubes, ball bearing joints, adjustment knobs, connection cable, and internal suspension ring. The arm is manufactured for direct mounting into a table or into existing ventilation system. Nederman mounting brackets are also available for installation.

The base is constructed of Polypropylene (PP) Conductive and has four screws, ¼ inch drill thru holes. The base will be 360° swivel capability. The base dimensions are 4.50 inches square with a thickness of .12 inch. The connecting outer diameter of the outlet on the connection swivel is 4 inches, with an internal diameter of 3.75 inches. All ESD Safe arms are supplied with connecting ground cable.

The arm shall consist of _____ (2 or 3) pipes with a _____ (2 or 3) inch diameter, manufactured from thin walled ESD Anodized Aluminum (SS 4007). All arms shall have a connection pipe with a length of 10 inches measured to the center of the first joint. See attached chart for remaining pipe lengths and total arm lengths. Each arm will have a tight, non-sealing, heat resistant damper on the last pipe. Damper will allow arms in a central system to be closed off from airflow up to a negative pressure of 12 inches w.g. The damper blade is injection molded, Polypropylene Thermoplastic Elastomere, with an axle constructed of Key Steel, electrolytic galvanized. Each arm will also be provided with three quick connection screws for removing pipes or attaching accessories to the last joint and pipe, also allowing each pipe 90° rotation at the joints.

The joints shall be oversized for smooth airflow and lower static pressure. With the additional surface area contact at joints it will permit support of longer lengths. All joints are constructed of Polypropylene (PP) Conductive and will be equipped with large adjustment knobs manufactured from Polypropylene (PP) Conductive and isolated from joints by knurled ball bearings. These ball bearing joints will allow for one-handed adjustment and when needed, maintaining the arms' position. Each joint will allow a 360° rotation and secure the suspension of the unit to the base when mounted in either the hanging position or tabletop position. Each joint will be sealed by a rubber (nitril) o-ring.

Internally located beside the joint found at the union of the base pipe and the first suction pipe, there is a torsion spring of galvanized wire (dia. 0.14 in.). The spring has twelve turns with an outer (dia. 0.98 in.). When delivered the spring is in position for standing installation.



Dimension Chart

Bench Mount - in inches					Ceiling/Wall Mount - in inches				
Joint	Dia.	Length	A	B	Joint	Dia.	Length	A	B
3	2	37	16	12	3	2	37	16	12
3	2	49	22	18	3	2	49	22	18
3	2	57	30	18	3	2	57	30	18
3	3	37	16	12	3	3	37	16	12
3	3	49	22	18	3	3	49	22	18
3	3	57	30	18	3	3	57	30	18
3	2	22	12	n/a	3	2	22	12	n/a
3	2	27	18	n/a	3	2	27	18	n/a