

Specification

MiniArm FX - PP

The Nederman Miniarm FX PP Extractor Arm shall consist of a base and either table mount or ceiling/wall mount, arm tubes, ball bearing joints, adjustment knobs, 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.

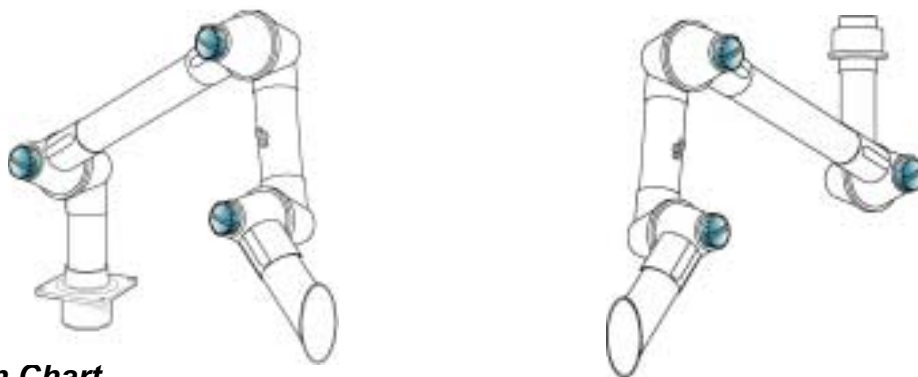
The base is constructed of polypropylene and has four screws, ¼ inch drill thru holes. The base will be 360 degree swivel capability. The base dimensions are 4.50 inches square with a thickness of .12 inch. The connecting outer diameter of the outlet on the connection swivel is 4 inches, with an internal diameter of 3.75 inches.

The arm shall consist of _____ (2 or 3) tubes with a 3 inch diameter, manufactured from Polypropylene. All arms shall have a connection tube with a length of 10 inches measured to the center of the first joint. See attached chart for remaining tube lengths and total arm lengths. Each arm will have a tight, non-sealing heat resistant damper on the last tube. Damper will allow arms in a central system to be closed off from airflow up to a negative pressure of 14 “W. G. The damper blade is injection molded, Polypropylene Thermoplastic Elastomere, with an axle constructed of stainless steel. Each arm will also be provided with three quick connection screws for removing pipes for cleaning or attaching accessories to the last joint and tube, also allowing each pipe 90 degree rotation at the joints.

The joints shall be oversized for smooth airflow, lower static pressure. With the additional surface area contact at joints it will permit support of longer lengths. All joints are constructed of polypropylene and will be equipped with large adjustment knobs, also manufactured from polypropylene plastic and isolated from joints by knurled ball bearings. These ball bearing joints will allow for one-handed adjustment and when needed, maintain the arms’ position. Each joint will allow a 360 degree 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 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 stainless steel 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.

Color: All external parts of the arm will be white polypropylene with blue adjustment knobs.



Dimension Chart

Bench Mount - in inches				
Joint	Dia.	Length	A	B
3	3	37	16	12
3	3	49	22	18
3	3	57	30	18

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