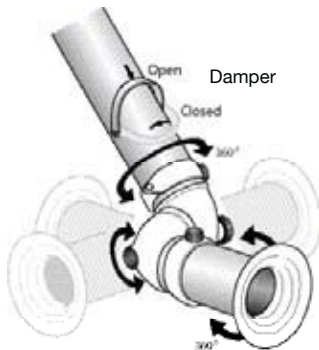
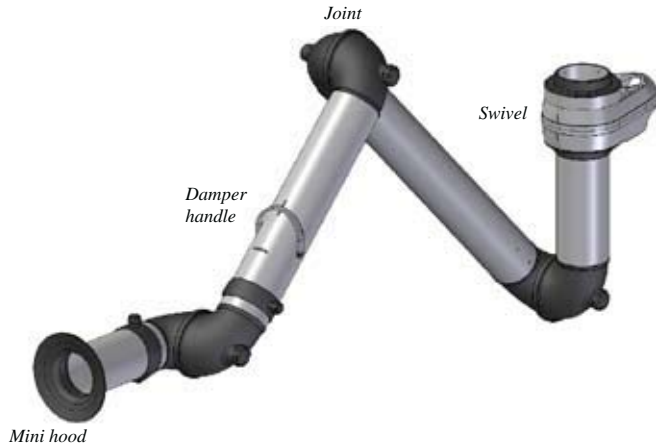


# Technical Description

## FX Extractor arms - ESD

### Wall/ceiling/floor model - 2, 3 and 4 inches



#### General description

Extractor arms mainly for use in ESD (Electrostatic discharge) environments, such as the electronic industry when working with soldering or similar. All parts have a resistance to ground less than  $3.3 \times 10^6 \Omega$ .

#### Arm sections

Thin walled anodized aluminum sections with a very good corrosion resistance against solvents etc. In contacts with alkaline materials the surface can be stained or damaged.

#### Swivel

Swivel with 360 degree rotation. Add reduction for correct connection diameter.

#### Joints

The adjustment knobs on the friction joints are supported by ball-bearings. The first joint is supported by a spring (not  $\varnothing 2''$ -L28'' and  $\varnothing 4''$ -L47''). 360 degree rotation where indicated.

#### Mini hood

The Mini hood is supplied together with the arm and is also interface to the multi purpose and metal hood.

#### Mounting

The arms can be mounted on ceilings, walls and floors or fixed to tables. By using an extension profile the arm's operational reach can be increased.

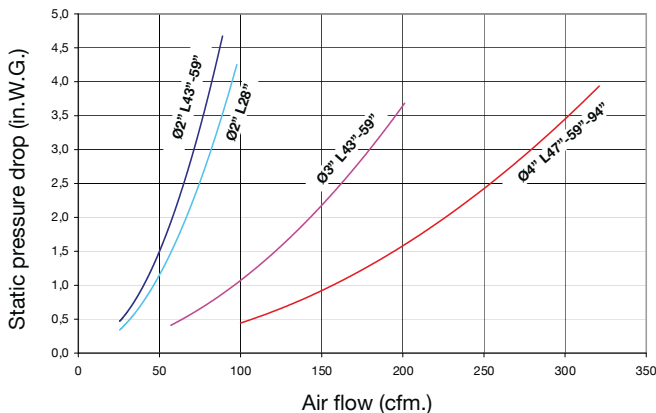
#### Other

All the arms are provided with dampers, tight down to an underpressure of 14 in.WG. Air temperature  $-15^\circ\text{F}$  to  $160^\circ\text{F}$ . Material recovery: 99% by weight.

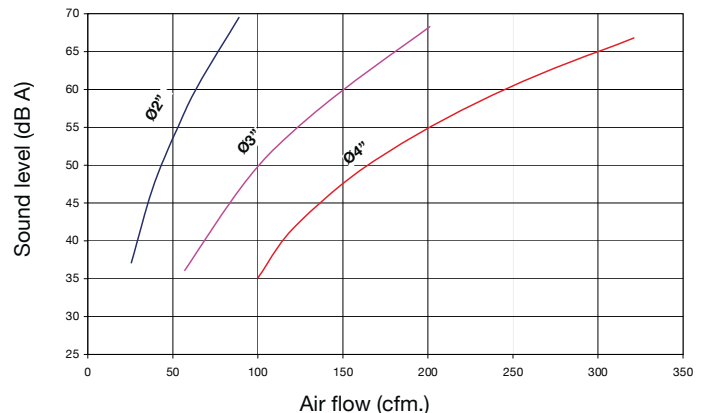
#### Accessories

For brackets, hoods, reductions and hoses, see Technical Description "FX Extractor arms Accessories".

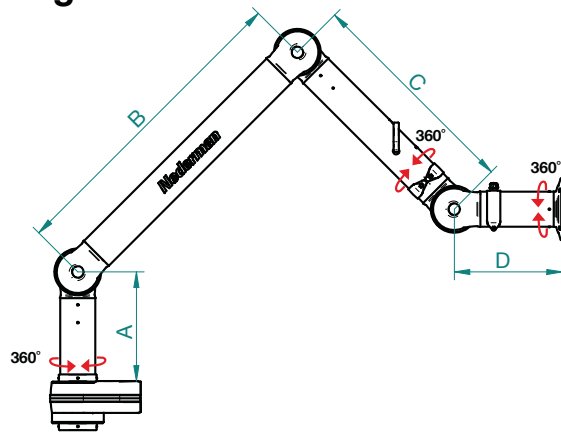
### Pressure drop



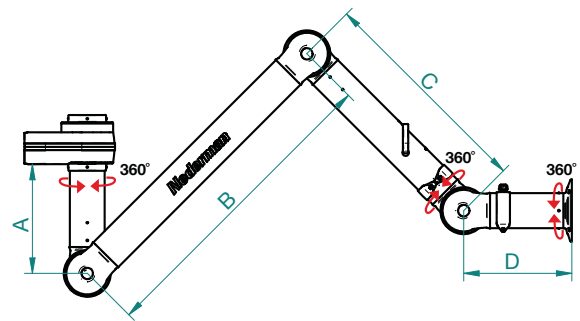
### Sound level



## Drawings



FX arm with ventilation connection downwards.



FX arm with ventilation connection upwards.

## Measures and Part numbers

Connection direction*	Diameter (in.)	A (in.)	B (in.)	C (in.)	D (in.)	Length (in.)	Weight (lb.)	ORIGINAL Part No.
Down	2	10	16	16	9	43	5,5	70530244
Down	2	10	28	20	9	59	3,2	70530444
Down	3	10	17	17	10	43	7,3	70560144
Down	3	10	28	20	10	59	7,3	70560344
Down	2	13	30	30	11	71	13,0	70590244
Up/Down	4	10	16	-	9	28	4,2	70530144
Up/Down	2	13	18	18	11	47	10,6	70590144
Up	2	10	16	16	9	43	5,5	70530344
Up	2	10	28	20	9	59	6,2	70530544
Up	3	10	17	17	10	43	7,3	70560244
Up	3	10	28	20	10	59	7,7	70560444
Up	4	13	30	30	11	71	13,0	70590344
Up	4	13	40	40	11	94	15,2	70590544

\*Note: Different spring mechanisms are fitted depending on connection direction

## Materials

Description Original arm	Material
Flange	PP, conductive
Tubes	Aluminium, anodized 10 µm
Joints	PP with glass fibre reinforcement, conductive
Plastic rings	PP with glass fibre reinforcement, conductive
Axial locking rings	PP with glass fibre reinforcement, conductive
Adjustment knobs	PP with glass fibre reinforcement screws in galvanized steel, conductive
Threaded shaft inside joints	Stainless steel
Damper blade	Thermo Plastic Elastomer
Damper adjustment handle	Aluminium
Internal spring	Stainless steel
Bearings swivel	PP with glass fibre reinforcement, conductive
Swivel	Aluminium
Rivets	Aluminium

## Airflows

Recommended airflows	
Ø 2"	30-65 cfm.
Ø 3"	65-140 cfm.
Ø 4"	120-265 cfm.

# Nederman

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