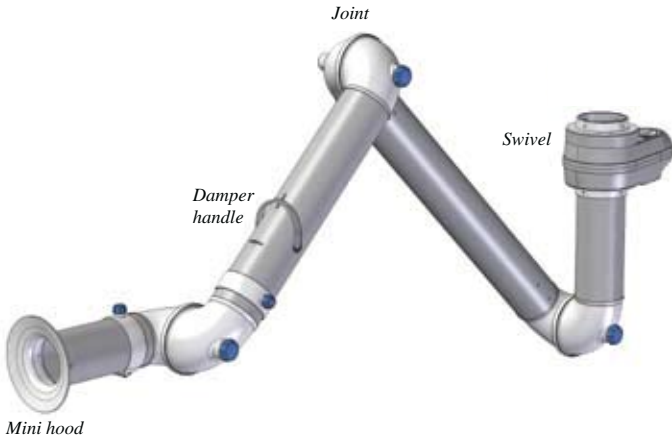


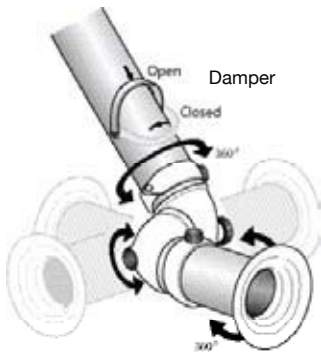
# Technical Description

## FX Extractor arms - Original

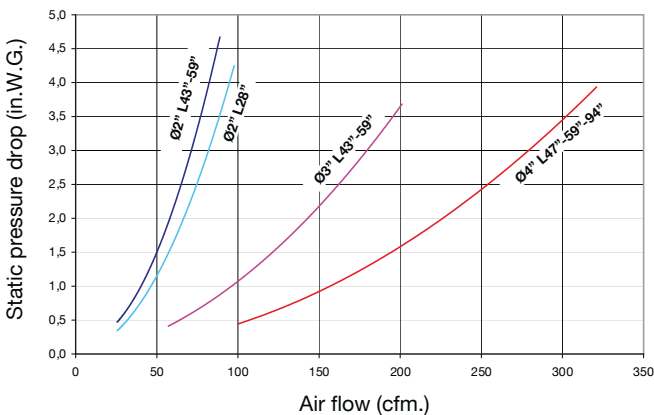
### Wall/ceiling/floor model - 2, 3 and 4 inches



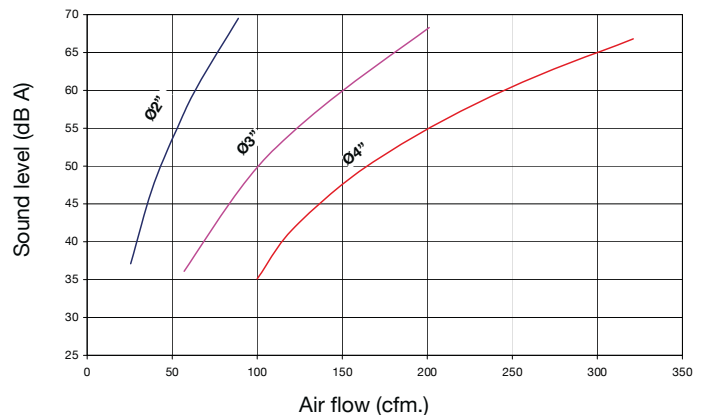
### Swivel and link functions



### Pressure drop



### Sound level



### General description

Extractor arms for use in industries, laboratories, schools in applications such as gluing, working with solvents, spot/TIG welding, screen printing, adhesives etc.

### Arm sections

Thin walled anodized aluminum sections with a very good corrosion resistancy 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 Ø2"-L28" and Ø4"-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.

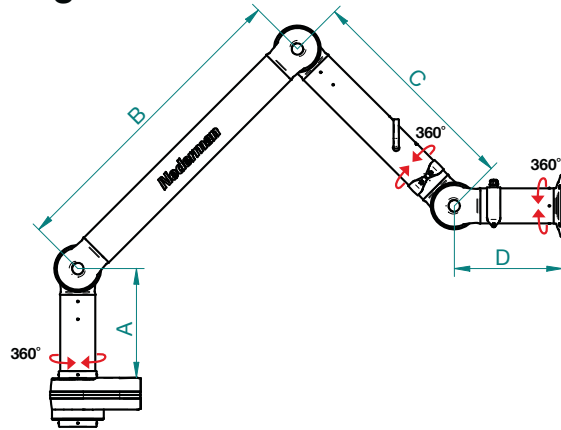
### Other

All the arms are provided with dampers, tight down to an underpressure of 14 in.WG. Air temperature -15°F to 160°F. Material recovery: 99% by weight.

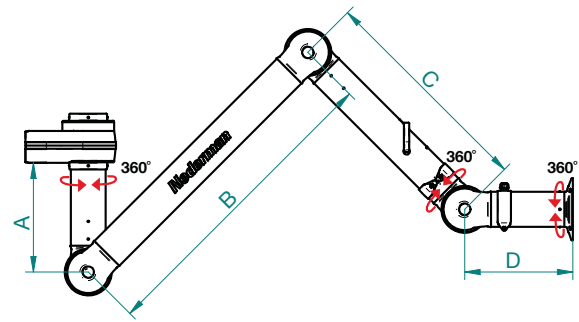
### Accessories

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

## 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	70510244
Down	2	10	28	20	9	59	6,2	70510444
Down	3	10	17	17	10	43	7,3	70540144
Down	3	10	28	20	10	59	7,7	70540344
Down	4	13	30	30	11	71	13,0	70570244
Up/Down	2	10	16	-	9	28	4,2	70510144
Up/Down	4	13	18	18	11	47	10,6	70570144
Up	2	10	16	16	9	43	5,5	70510344
Up	2	10	28	20	9	59	6,2	70510544
Up	3	10	17	17	10	43	7,3	70540244
Up	3	10	28	20	10	59	7,7	70540444
Up	4	13	30	30	11	71	13,0	70570344
Up	4	13	40	40	11	94	15,2	70570544

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

## Materials

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