

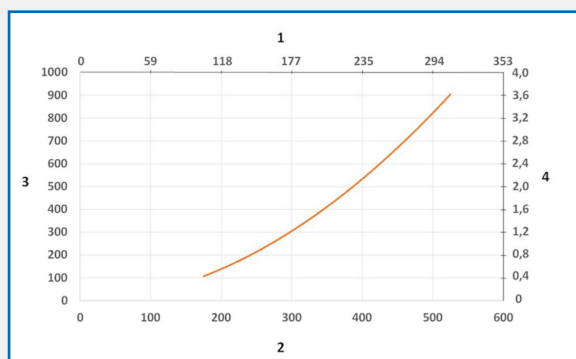
NEDERMAN FX2 100 CHEM BENCHTOP EXTRACTION ARM



TECHNICAL SPECIFICATION

Airflow	200 - 450 m ³ /h
Arm Length	(See diagrams)
Extraction Arm Diameter	Ø100
Installation	(Indoor)
Material	Tubes in anodized aluminium with a white electrophoretic deposition coating. Joints in PP plastic. Duct connector in EPDM rubber. Minihood in PP plastic.
Fume Temperature	Max. 70°C
Noise Level	62 dB(A) at 450 m ³ /h

PRESSURE DROP DIAGRAM

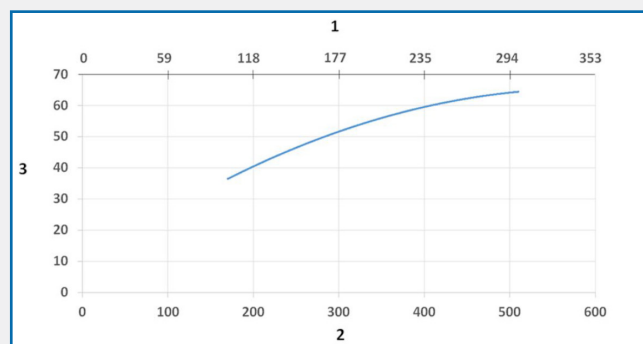


Pressure Drop diagram:

- 1) X-Axis: Air Flow Rate (cfm)
- 2) X-Axis: Air Flow Rate (m/h)

- 3) Y-Axis: Static Pressure Drop (Pa)
- 4) Y-Axis: Static Pressure Drop (in. wg.)

SOUND LEVEL DIAGRAM



Sound Level diagram:

- 1) X-Axis: Air Flow Rate (cfm)
- 2) X-Axis: Air Flow Rate (m/h)

- 3) Y-Axis: Sound Pressure Level (dB) (A)

DESCRIPTION

Nederman FX2 arms are made of lightweight anodized aluminium sections, with three adjustable, composite friction joints. Offering strength and durability combined with easy handling, they can be used in many types of environment. They are especially suitable for applications where small, flexible and easy-to-use arms are required.

With the profiles made of anodized aluminium with a white electrophoretic deposition coating, the arm is ideal for fume extraction in aggressive environments where corrosion resistance must be assured.

FEATURES

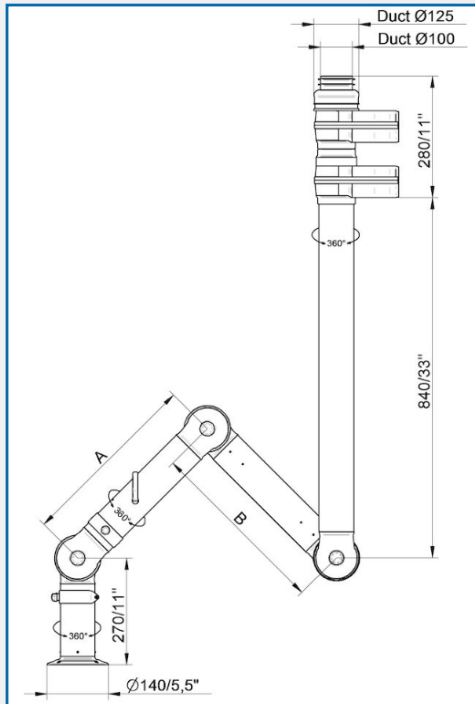
- Optimal efficiency and low noise provides safe and quiet working environment.
- Ceilings, walls and floors or fixed to worktops mountings and cut2fit extension profile gives maximum installation flexibility.
- The two outermost arm joints can rotate and swivel through 360°, which gives the unique maneuverability.
- The lean, smooth and aesthetic design allows arms to fit in well in any environment without compromising its durability and reliability.
- Highly integrated products that save customers' time and costs, as well as providing the reliability and functionality to deliver a better performance.

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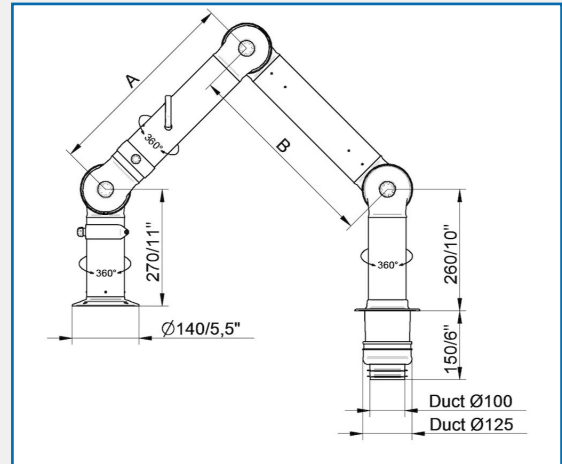
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PART CODES

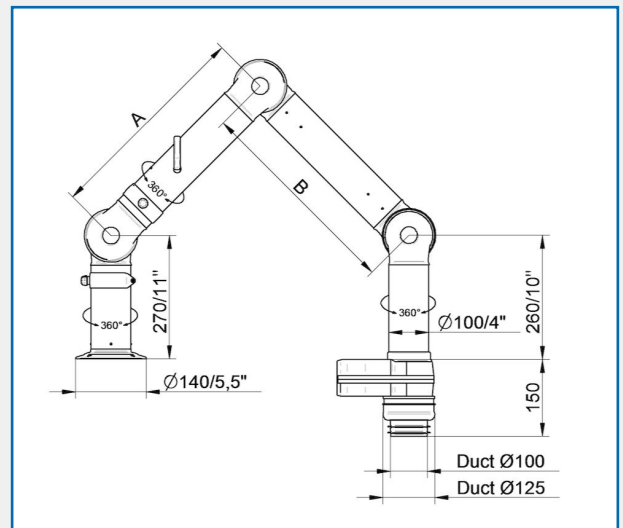
Description	Part Codes
FX2-CHEM-D100-L1200-Up/Down-Low	70605644
FX2-CHEM-D100-L1200-Up-PLUS	70605744
FX2-CHEM-D100-L1200-Up/Down-Through	70605844
FX2-CHEM-D100-L1800-Up-Low	70605944
FX2-CHEM-D100-L1800-Up-PLUS	70606044
FX2-CHEM-D100-L1800-Down-Low	70606144
FX2-CHEM-D100-L1800-Down-Through	70606244
FX2-CHEM-D100-L2400-Up-Low	70606344
FX2-CHEM-D100-L2400-Up-PLUS	70606444



- FX2-CHEM-D100-L1200-Up/Down-Low
- Part Number: 70605644
- Max. working radius: 1170 mm (46.1 in)
- A: 450 mm (17.7 in)
- B: 450 mm (17.7 in)
- FX2-CHEM-D100-L1800-Up-Low
- Part Number: 70605944
- Max. working radius: 1770 mm (69.7 in)
- A: 750 mm (29.5 in)
- B: 750 mm (29.5 in)
- FX2-CHEM-D100-L2400-Up-Low
- Part Number: 70606344
- Max. working radius: 2290 mm (90.2 in)
- A: 1010 mm (39.7 in)
- B: 1010 mm (39.7 in)



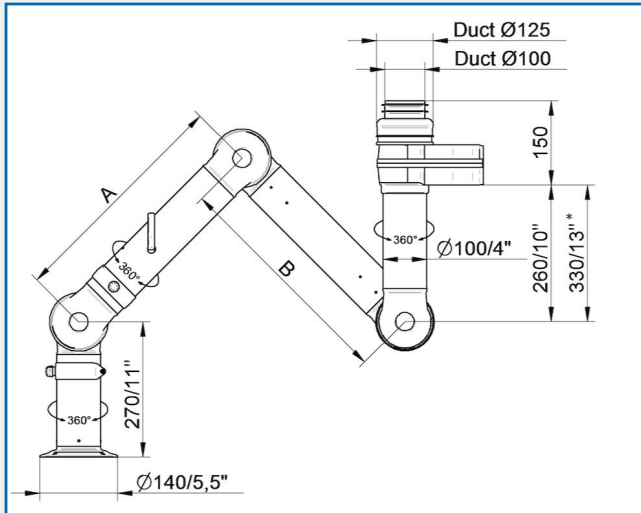
- FX2-CHEM-D100-L1200-Up/Down-Through
- Part Number: 70605844
- Max. working radius: 1170 mm (46.1 in)
- A: 450 mm (17.7 in)
- B: 450 mm (17.7 in)
- FX2-CHEM-D100-L1800-Down-Through
- Part Number: 70606244
- Max. working radius: 1770 mm (69.7 in)
- A: 750 mm (29.5 in)
- B: 750 mm (29.5 in)



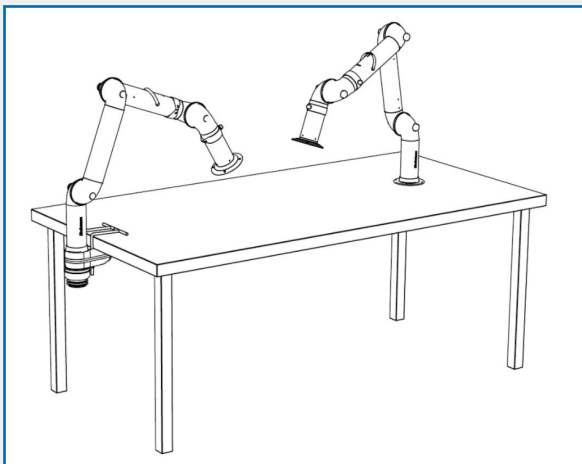
- FX2-CHEM-D100-L1200-Up/Down-Low
- Part Number: 70605644
- Max. working radius: 1170 mm (46.1 in)
- A: 450 mm (17.7 in)
- B: 450 mm (17.7 in)
- FX2-CHEM-D100-L1800-Down-Low
- Part Number: 70606144
- A: 750 mm (29.5 in)
- B: 750 mm (29.5 in)

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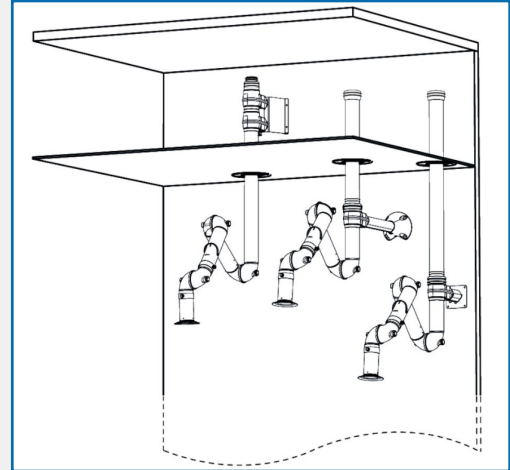
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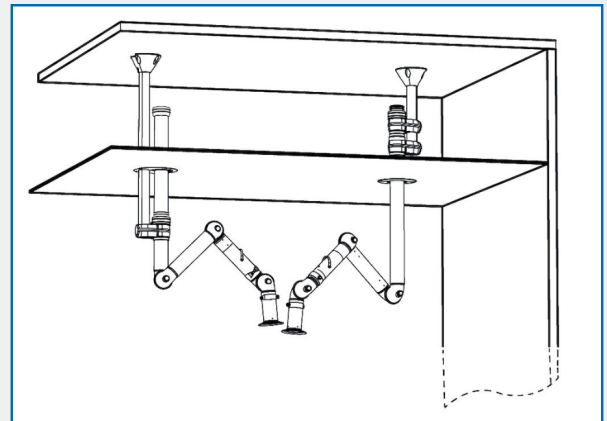
- FX2-CHEM-D100-L1200-Up-PLUS
Part Number: 70605744
Max. working radius: 1170 mm (46.1 in)
A: 450 mm (17.7 in)
B: 450 mm (17.7 in)
- FX2-CHEM-D100-L1800-Up-PLUS
Part Number: 70606044
Max. working radius: 1770 mm (69.7 in)
A: 750 mm (29.5 in)
B: 750 mm (29.5 in)
- FX2-CHEM-D100-L2400-Up-PLUS
Part Number: 70606444
Max. working radius: 2290 mm (90.2 in)
A: 1010 mm (39.7 in)
B: 1010 mm (39.7 in)



- **Bench mounting examples:**
Left: FX2-Down-Low arm with following accessories:
-FX2-Bench bracket kit-D-50/75/100
- Right: FX2-Down-Through arm



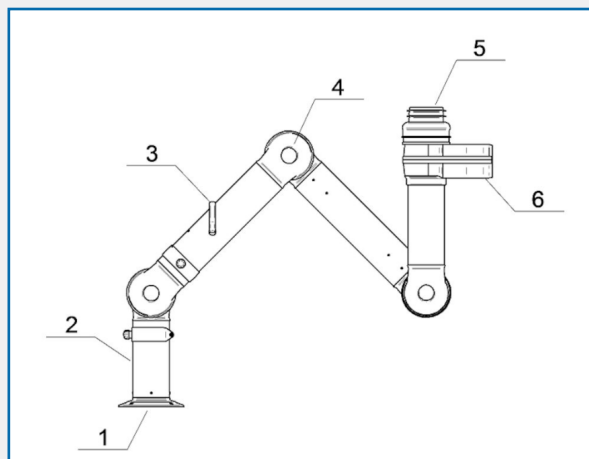
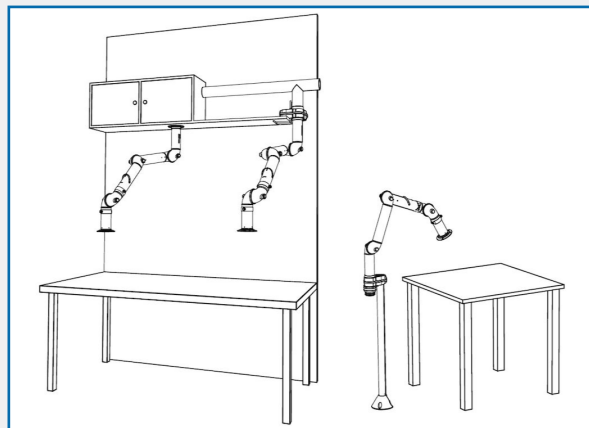
- **Wall mounting examples:**
Left: FX2-Up-PLUS arm with following accessories:
-FX2-Wall-P BRKT kit-D-50/75/100-L190
-FX2-Ceiling cover plate-PLUS
- Middle: FX2-Up-Low arm with following accessories:
-FX2-Bracket kit-D-50/75/100-L500
-FX2-Ceiling cover plate-PLUS
-FX2-Alu duct-WHT
-FX2-Duct connector-ORIG/CHEM-D100
- Right: FX2-Up-Low arm with following accessories:
-FX2-Wall BRKT kit-Flat-L190-White
-FX2-Ceiling cover plate-PLUS
-FX2-Alu duct-WHT
-FX2-Duct connector-ORIG/CHEM-D100



- **Ceiling mounting example:**
Left: FX2-Up-Low arm with following accessories:
-FX-Classic bracket
-FX-Cut2fit extension-L1100
-FX-Alu duct-WHT
-FX2-Duct connector-ORIG/CHEM-D100
-FX-Ceiling cover plate
- Right: FX2-Up-PLUS arm with following accessories:
-FX2-Bracket kit-D-50/75/100-L500
-FX2-Ceiling cover plate-PLUS

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• Other mounting examples:

Left: Overbench cabinet mounting with FX2-Up/Down-Through arm

Middle: Shelf mounting with FX2-Up-Low arm and following accessories:
-FX2-Bench bracket kit

Right: Floor mounting with FX2-Up-Low arm and following accessories:
-FX-Classic bracket
-FX-Cut2fit extension-L1100

Material:

- 1) Flange: PP
- 2) Tubes: Aluminium: anodized 10 µm, with white electrophoretic deposition coating
- 3) Damper adjustment handle: Aluminium: anodized 10 µm
- Internal spring: Stainless steel
- Damper blade: Conductive TP & PP plastic
- 4) Joints: PP with fibre glass fibre reinforcement
- Plastic rings: PP with glass fibre reinforcement
- Axial locking rings: PP with glass fibre reinforcement
- Adjustment knobs: PA & EDS plastic
- Threaded shaft inside joints: Stainless steel
- 5) Duct connector: EPDM Rubber
- 6) Swivel: Aluminium
- Rivets: Aluminium
- Bearings swivel: PP with glass fibre reinforcement



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