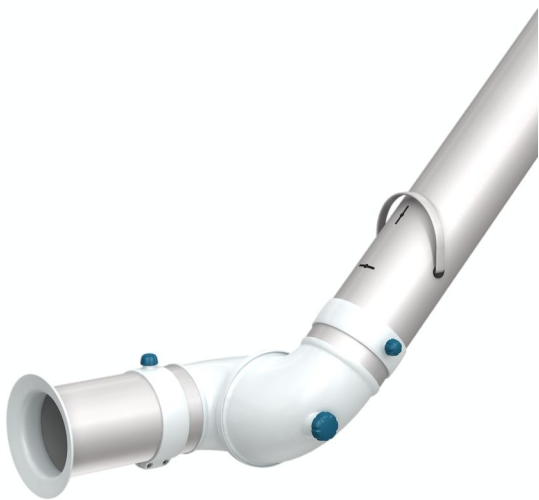# Nederman

BenchTop Extraction Arm FX2 100 Original

The best and most cost-efficient solution for extraction of hazardous airborne contaminants, in applications where small, flexible and easy-to-use arms are required.

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.
A robust and reliable all-round arm for general applications where there is little risk of electrical discharges or attack by aggressive chemicals.

- 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

Product name	BenchTop Extraction Arm FX2 100 Original
Noise level (dB(A))	62 dB(A) at 450 m3/h
Installation	[Indoor]
Material	Tubes in anodizied aluminium. Joints in PP plastic. Duct connectors in EPDM rubber. Minihood in PP plastic.
Fume temperature	max 70°C
Extraction arm diameter (mm)	100
Airflow (m³/h)	200-450
Arm length (m)	

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BenchTop Extraction Arm FX2 100 Original

[image]	Description	Weight (kg)	[model]
	FX2-ORIG-D100-L1200-Up/Down-Low	4,8	70604744
	FX2-ORIG-D100-L1200-Up-PLUS	5,9	70604844
	FX2-ORIG-D100-L1200-Up/Down-Through	4,1	70604944
	FX2-ORIG-D100-L1800-Up-Low	5,9	70605044
	FX2-ORIG-D100-L1800-Up-PLUS	7,7	70605144
	FX2-ORIG-D100-L1800-Down-Low	5,9	70605244
	FX2-ORIG-D100-L1800-Down-Through	5,2	70605344
	FX2-ORIG-D100-L2400-Up-Low	6,9	70605444
	FX2-ORIG-D100-L2400-Up-PLUS	8,7	70605544

BenchTop Extraction Arm FX2 100 Original

| [accessory]	[partno]
FX-Bracket kit-D50/75/100-L190	70501144
FX2-Bracket kit-D50/75/100-L500	70377042
FX2-Wall BRKT kit-Flat-L190-White	70377043
FX2-Wall-P BRKT kit-D50/75/100-L190	70377046
FX2-Bench bracket kit-D50/75/100, Complete mounting kit for mounting FX2 50/75/100 arms on the bench edge.	70501444
FX-Classic bracket-D50/75/100. The classic bracket should be used together with Cut2fit extension profile for mounting FX2 50/75/100 arms on the ceiling, wall, floor or on top of other horizontal surface.	70501244
FX-Cut2fit extension-L1100.	70501344
FX-Cut2fit extension-L2200	70374600
FX-Ceiling cover plate. Cover false/dropped ceiling openings caused by both extension profile and ducting.	70502644
FX2-Ceiling cover plate-PLUS	70377045
FX-Combi hood-ORIGINAL-D50/75/100	70500144
FX-Dome hood-ORIGINAL-D50/75/100	70376982
FX-Metal hood-ORIG/CHEM-D50/75/100	70500444
FX-Flange hood-ORIGINAL-D50/75/100. Transparent flange hood, made of PET-G plastic, is designed to maximize the capture zone without hinder objects on the bench or the user. It can be attached directly on minihood, irrespective of arm size.	70502844
FX2-Duct connector-ORIG/CHEM-D100. Grey duct connector to ease the coupling of 100mm (4 inch) Alu duct to external 125mm (5 inch) ductwork. Please note all arms are already supplied with a duct connector as standard.	70377040
FX2-Al duct-L1000-D75/100toD100. Aluminum duct with 100 mm (4 inch) diameter and 1000 mm (39.37 inch) length is designed to replace vertical ventilation duct above the swivel of FX2 75/100 arm. This is a good looking alternative to standard, ventilation duct.	70377058
FX2-Al duct-L2000-D75/100toD100. Aluminum duct with 100 mm (4 inch) diameter and 2000 mm (78.74 inch) length is designed to replace vertical ventilation duct above the swivel of FX2 75/100 arm. This is a good looking alternative to standard, ventilation duct.	70377059
FX-Hose-D100-L3000-Grey- Flexible hose in grey PVC with 100 mm (4 inch) diameter and 3000 mm (118.11 inch) length. It shall be used with hose support ring to connect hose to arm.	70377099
FX-Hose D125-L5000-Grey- Flexible hose in grey PVC with 125 mm (5 inch) diameter and 5000 mm (195.85 inch) length. It shall be used with hose support ring to connect hose to arm.	70377100
FX2-Hose support ring-D100. Place into the 100 mm (4 inch) hose to support the connection between the hose and the duct connector of the arm. A must to connect the hose to arm.	70377068
FX2-Hose support ring-D125. Place into the 125 mm (5 inch) hose to support the connection betwen the hose and the duct connector of the arm. A must to connect the hose to arm.	70377069

BenchTop Extraction Arm FX2 100 Original
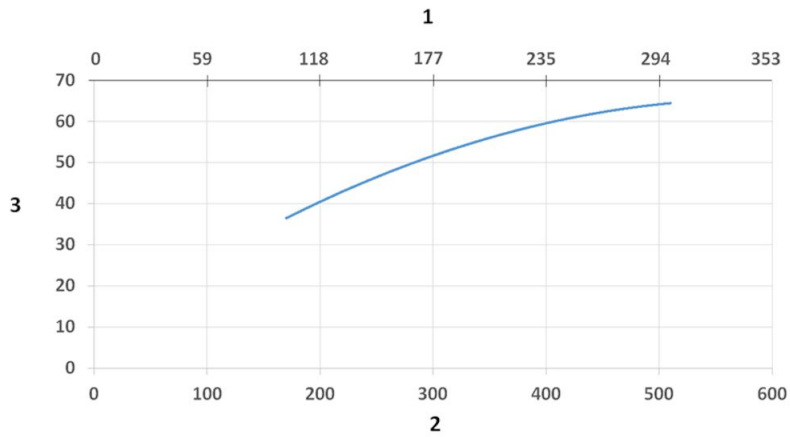
Sound Level diagram:
1) X- Axis: Air Flow Rate (cfm)
2) X- Axis: Air Flow Rate (m/h)

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

BenchTop Extraction Arm FX2 100 Original
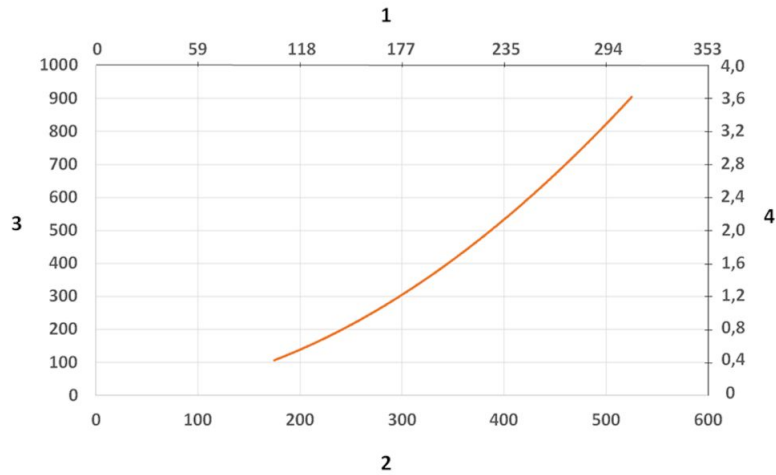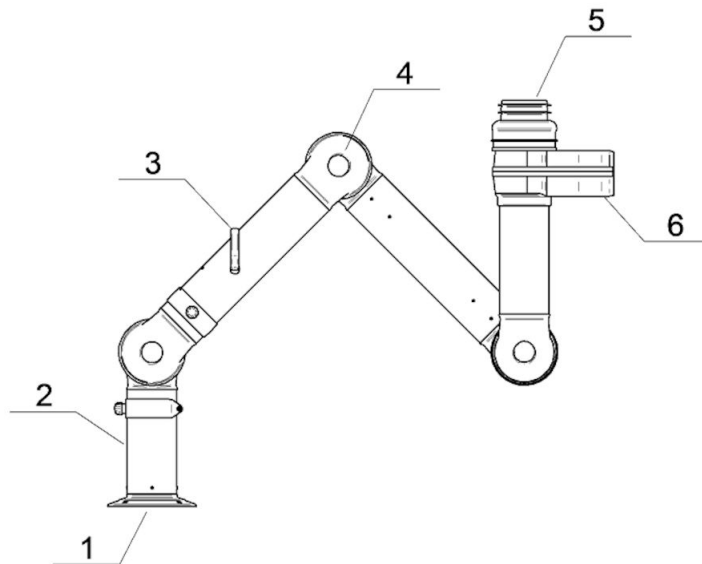

Pressure Drop diagram:
1) X- Axis: Air Flow Rate (cfm)
2) X- Axis: Air Flow Rate (m/h)

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

BenchTop Extraction Arm FX2 100 Original

Material:
1) Flange: PP

2) Tubes: Aluminum, anodized 10 μm

3) Damper adjustment handle: Aluminum, anodized 10 μm
   Internal spring: Staineless steel
   Damper blade: Conductive TP & PP plastic

4) Joints: PP with 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: Aluminum, powder coating
   Rivets: Aluminum
   Bearings swivel: PP plastic with glass fibre reinforcement

BenchTop Extraction Arm FX2 100 Original
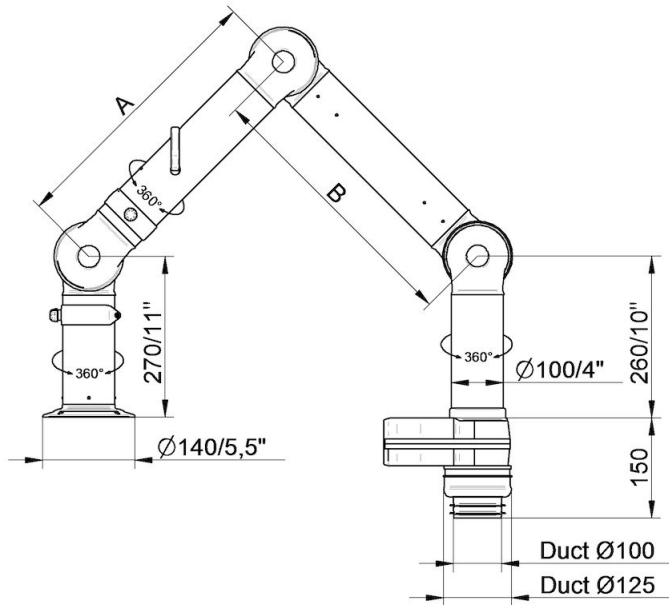
• FX2-ORIG-D100-L1200-Up/Down-Low
Part number: 70604744
Max. working radius: 1170 mm (46,1 in)
A: 450 mm (17,7 in)
B: 450 mm (17,7 in)

• FX2-ORIG-D100-L1800-Down-Low
Part number: 70605244
Max. working radius: 1770 mm (69,7 in)
A: 750 mm (29,5 in)
B: 750 mm (29,5 in)

BenchTop Extraction Arm FX2 100 Original

• FX2-ORIG-D100-L1200-Up/Down-Through
Part number: 70604944
Max. working radius: 1170 mm (46,1 in)
A: 450 mm (17,7 in)
B: 450 mm (17,7 in)

• FX2-ORIG-D100-L1800-Down-Through
Part number: 70605344
Max. working radius: 1770 mm (69,7 in)
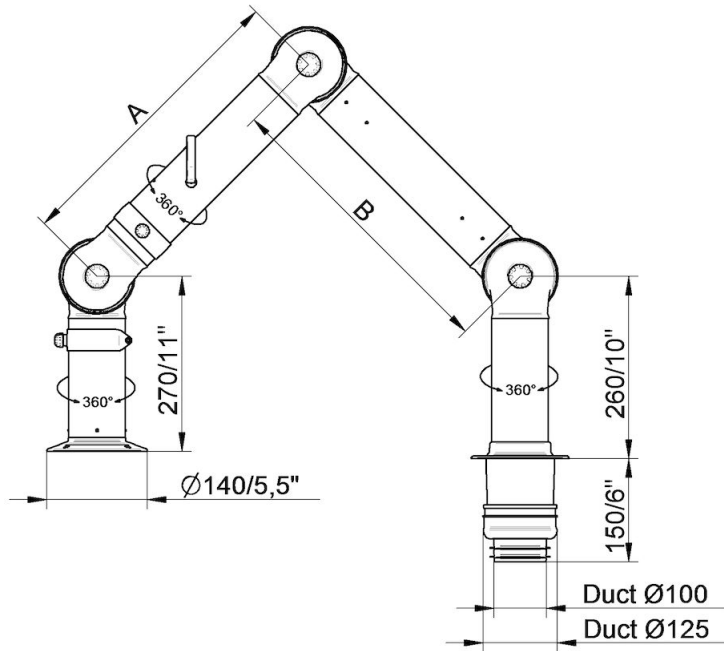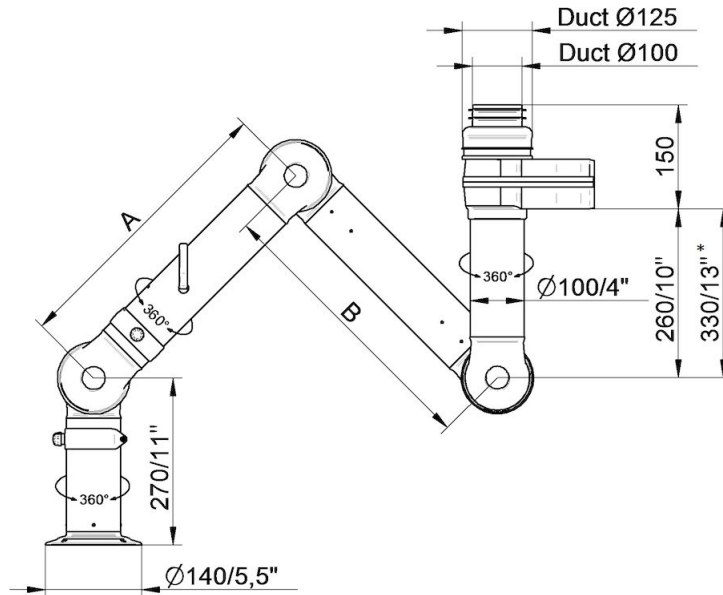A: 750 mm (29,5 in)
B: 750 mm (29,5 in)

BenchTop Extraction Arm FX2 100 Original

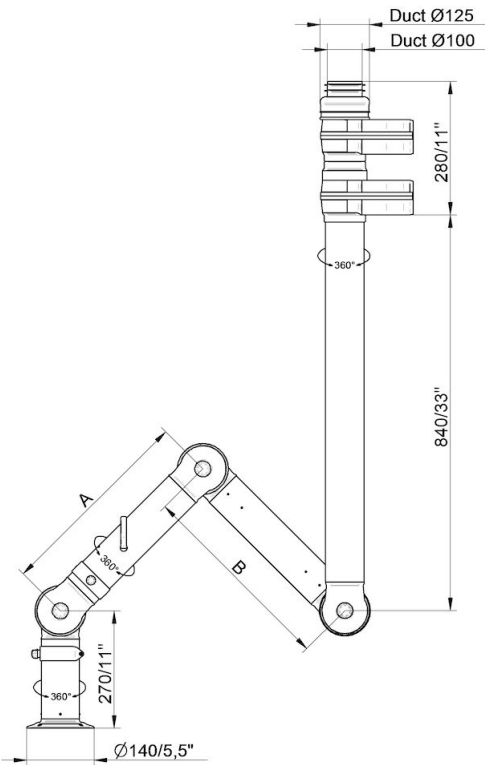• FX2-ORIG-D100-L1200-Up/Down-Low
Part number: 70604744
Max. working radius: 1170 mm (46,1 in)
A: 450 mm (17,7 in)
B: 450 mm (17,7 in)

• FX2-ORIG-D100-L1800-Up-Low
Part number: 70605044
Max. working radius: 1770 mm (69,7 in)
A: 750 mm (29,5 in)
B: 750 mm (29,5 in)

*
• FX2-ORIG-D100-L2400-Up-Low
Part number: 70605444
Max. working radius: 2290 mm (90,2 in)
A: 1010 mm (39,7 in)
B: 1010 mm (39,7 in)

BenchTop Extraction Arm FX2 100 Original

FX2-ORIG-D100-L1200-Up-PLUS
Part number: 70604844
Max. working radius: 1170 mm (46,1 in)
A: 450 mm (17,7 in)
B: 450 mm (17,7 in)

• FX2-ORIG-D100-L1800-Up-PLUS
Part number: 70605144
Max. working radius: 1770 mm (69,7 in)
A: 750 mm (29,5 in)
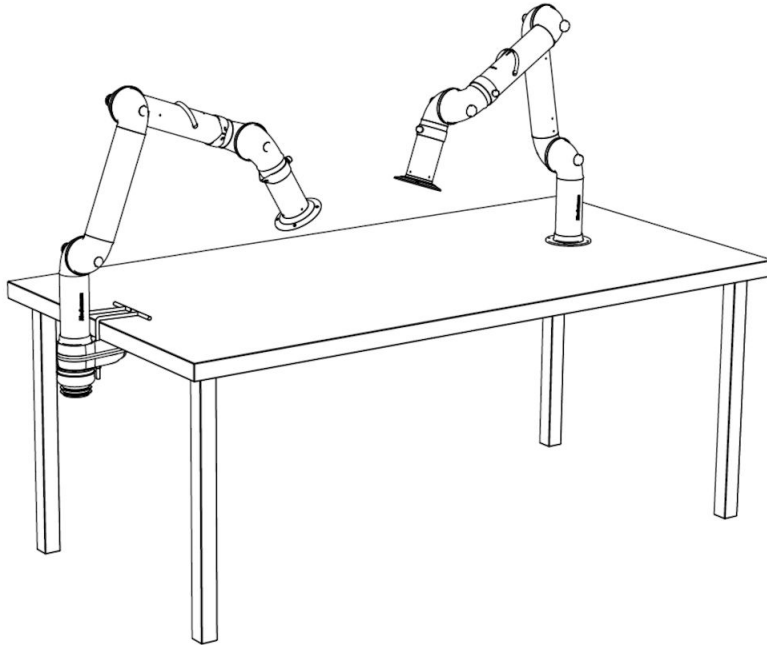B: 750 mm (29,5 in)

• FX2-ORIG-D100-L2400-Up-PLUS
Part number: 70605544
Max. working radius: 2290 mm (90,2 in)
A: 1010 mm (39,7 in)
B: 1010 mm (39,7 in)
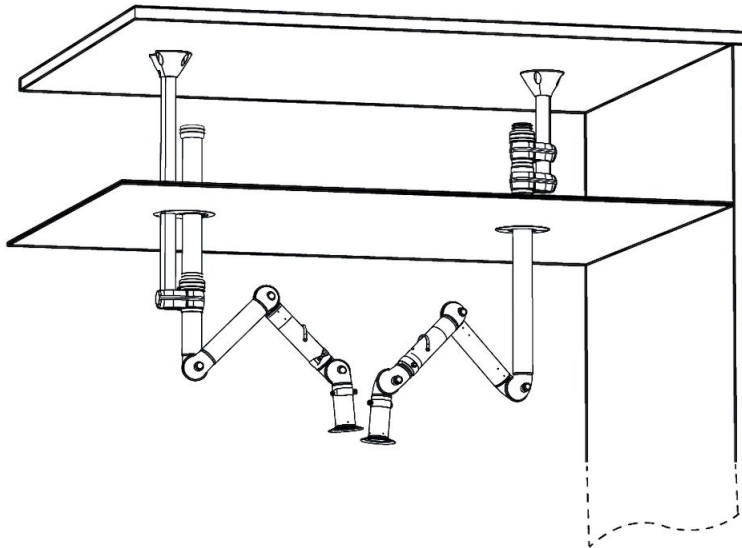
BenchTop Extraction Arm FX2 100 Original

Bench mounting examples:
Left: FX2-Down-Low arm with following accessories:
-FX2-Bench bracket kit-D50/75/100

Right: FX2-Down-Through arm

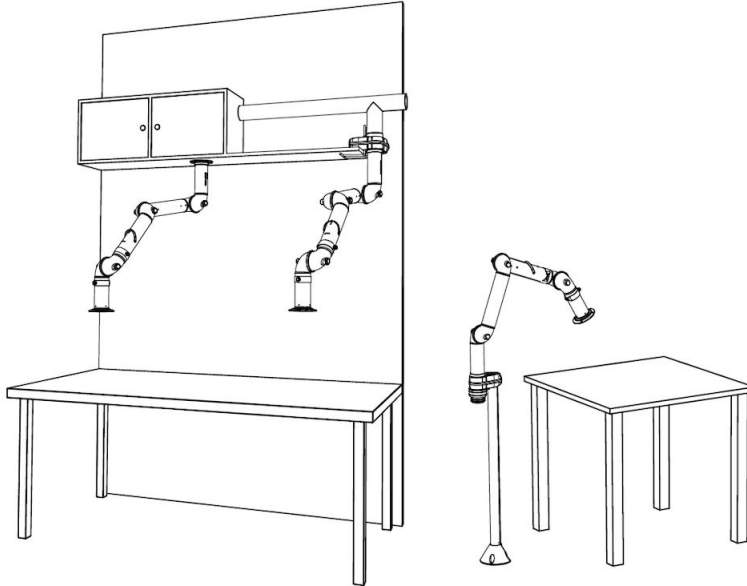# BenchTop Extraction Arm FX2 100 Original

Ceiling mounting example:
Left: FX2-Up-Low arm with following accessories:
-FX-Classic bracket
-FX-Cut2fit extension-L1100
-FX2-Alu duct
-FX2-Duct connector-ORIG/CHEM-D100
-FX-Ceiling cover plate

Right: FX2-Up-PLUS arm with following accessories:
-FX2-Bracket kit-D50/75/100-L500
-FX2-Ceiling cover plate-PLUS

BenchTop Extraction Arm FX2 100 Original

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

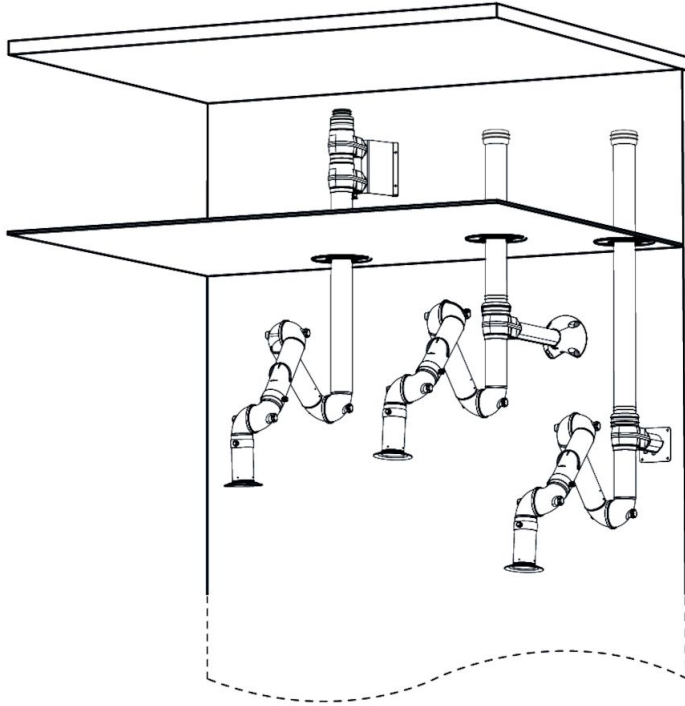Middle: Shelf mounting with FX2-Up-Low arm and following accessories:
-FX2-Bench bracket kit

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

BenchTop Extraction Arm FX2 100 Original

Wall mounting examples:
Left: FX2-Up-PLUS arm with following accessories:
-FX2-Wall-P BRKT kit-D50/75/100-L190
-FX2-Ceiling cover plate-PLUS

Middle: FX2-Up-Low arm with following accessories:
-FX2-Bracket kit-D50/75/100-L500
-FX2-Ceiling cover plate-PLUS
-FX2-Alu duct
-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
-FX2-Duct connector-ORIG/CHEM-D100