Product leaflet

BenchTop Extraction Arm FX2 100 CHEM

Efficient, low-noise, and flexible extraction arms – ideal for fume extraction in environments where corrosion resistance must be assured.

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BenchTop Extraction Arm FX2 100 CHEM

- Efficiently optimises the capture zone and removes contaminants at the source
- Low noise levels for a safe and quiet workspace
- Various lengths and mounting options for flexibility
- Adjustable height for ergonomic efficiency
- Adapts to business needs for optimal workspace

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 aluminum, the arm is ideal for fume extraction in aggressive environments where corrosion resistance must be assured.

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BenchTop Extraction Arm FX2 100 CHEM

Certifications	[ce]
Noise level (dB(A))	62 dB(A) at 265 cfm
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.
[ProductFumeTemperature]	max 158 °F (70 °C)
Extraction arm diameter (in)	4 in.
Airflow (CFM)	110 cfm - 265 cfm
Category type	CHEM
Colour	Aluminium
Diameter, hose (in)	4 (100 mm)

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Models

	Item no	Arm length (ft)	Weight (lbs)	Ventilation type	Mounting type
	70608244	4 (1,2 m)	10.6	Down, Up	Surface Edge, Floor, Wall, On top of horizontal surface
	70608344	4 (1,2 m)	13	Up	Ceiling, Wall
	70608444	4 (1,2 m)	9	Down, Up	Overbench cabinet, Bench Through
	70608544	6 (1,8 m)	13	Up	Surface Edge, On top of horizontal surface
	70608644	6 (1,8 m)	17	Up	Ceiling, Wall
	70608744	6 (1,8 m)	13	Down	Surface Edge, Floor, Wall, On top of horizontal surface
	70608844	6 (1,8 m)	13	Down	Bench Through
	70608944	8 (2,4 m)	15.2	Up	Surface Edge, Floor, On top of horizontal surface
	70609044	8 (2,4 m)	19.2	Up	Ceiling, Wall

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Accessories

	Accessory	Item no
	FX2-Duct connector-ORIG/CHEM-D100	70377040
	FX-Bracket Kit for D50/75/100 Arms - Aluminum - Includes: Classic Bracket, Extension Tube and Hardware	70501144
	FX2-Bracket Kit - Ceiling Mount with 20 in (500 mm) extension for FX D50/75/100	70377042
	FX2-Wall Bracket Kit - WHITE flush mount bracket with 7.5 in (190 mm) profile extension	70377043
	FX2-Wall-P Bracket Kit for D50/75/100 Arms	70377046
	FX2-Bench Bracket Kit-D50/75/100 - Steel - Note: Manually adjust Bench Bracket Arms to fit respective mounting hole width for D50/75/100 swivel (see mounting instructions)	70501444
	FX-Classic Bracket for D50/75/100 Arms - Aluminum - Use with Cut2fit Extension - Note: without profile extension tube	70501244
	FX-Cut2fit Extension-L1100 - Aluminum - L = 43 in (1100 mm) - Use with classic bracket for mounting D50/75/100 Arms	70501344
	FX-Cut2fit Anodized Aluminum Tube Extension L = 2200 mm (87 in)	70374600
	FX-Ceiling Cover Plate - Cover false/dropped ceiling openings of tubes or ducting - Marked cutouts for 63 mm to 125 mm tubes	70502644
	FX2-Ceiling Cover Plate-PLUS for D50/75/100 Arms - WHITE ABS Plastic - Cover ceiling opening caused by FX2 Tube (Cut D to Fit)	70377045
	FX-Combi Hood FX2 CHEM arms 2-4 in (50-100 mm) diameter - Corrosion resistant - low energy and aggreesive contaminants	70500344
	FX-Dome Hood for CHEM Arms D50/75/100 - Round White Corrosion Resistant PE with integrated handles	70376984

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Accessories

	Accessory	Item no
	FX-Metal Hood ORIG/CHEM arms 2-4 in (50-100 mm) diameter - Powder coated White AL - High temperature - corrosion resistance	70500444
	FX-Flange Hood-CHEM D50/75/100 Arms - Corrosion Resistant White PE	70503044
	FX2-Al duct-L1000-D75/100toD100-WHT	70377054
	FX-Hose-D100-L3000 - Flexible Gray PVC - D = 4 in (100 mm) L = 10 ft (3 m) - Includes Ring-D100 and (2) Hose Clamps	70377099
	FX-Hose-D125-L5000 - Flexible Gray PVC - D = 5 in (125 mm) L = 16 ft (5 m) - Includes Ring-D125 and (2) Hose Clamps	70377100
	FX2-Hose Support Ring-D100 - Placed inside the hose to support the clamp connection with FX duct connector	70377068
	FX2-Hose support ring-D125	70377069
	FX2-UP-PLUS Arm Hardware Bracket Kit	89299228
	FX2-Al duct-L2000-D75/100toD100-CHEM	70377409
	FX Extended Bracket Kit	70377452

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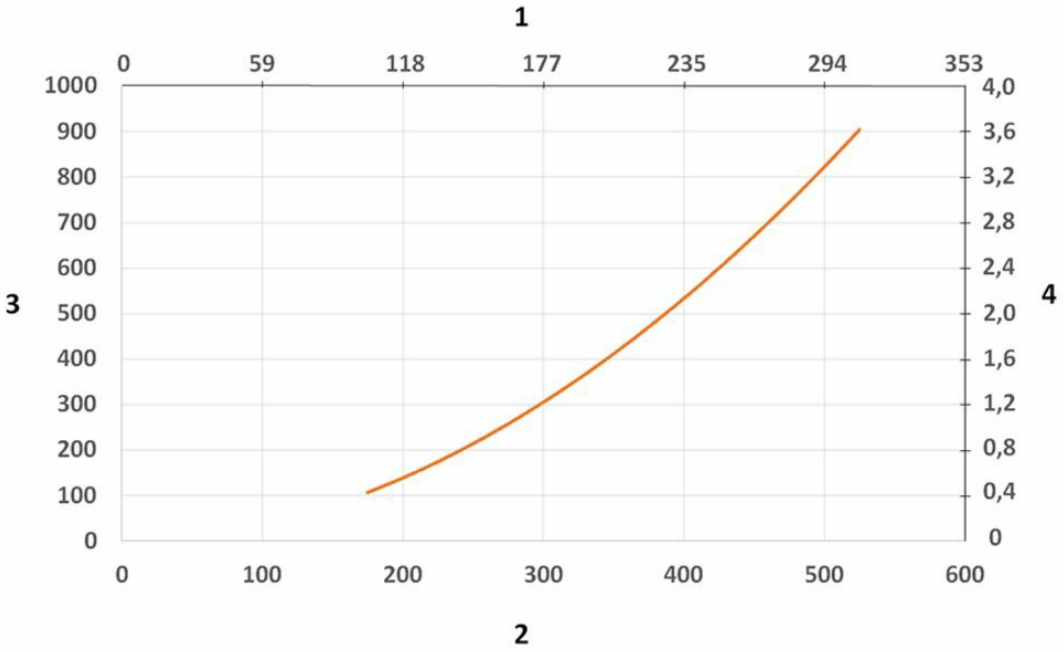
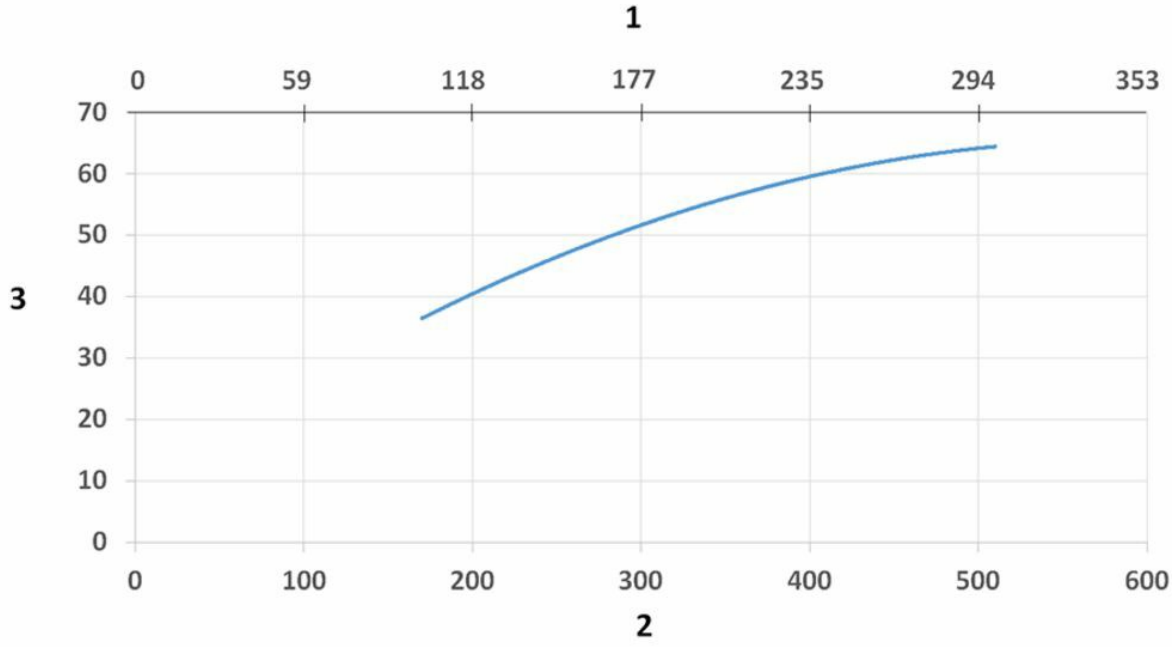


Pressure Drop diagram: 1) X- Axis: Air Flow Rate (cfm) 2) X- Axis: Air Flow Rate (m³/h) 3) Y-Axis: Static Pressure Drop (Pa) 4) Y-Axis: Static Pressure Drop (in. wg.)



Sound Level diagram: 1) X- Axis: Air Flow Rate (cfm) 2) X- Axis: Air Flow Rate (m³/h) 3) Y-Axis: Sound Pressure Level (dB) (A))

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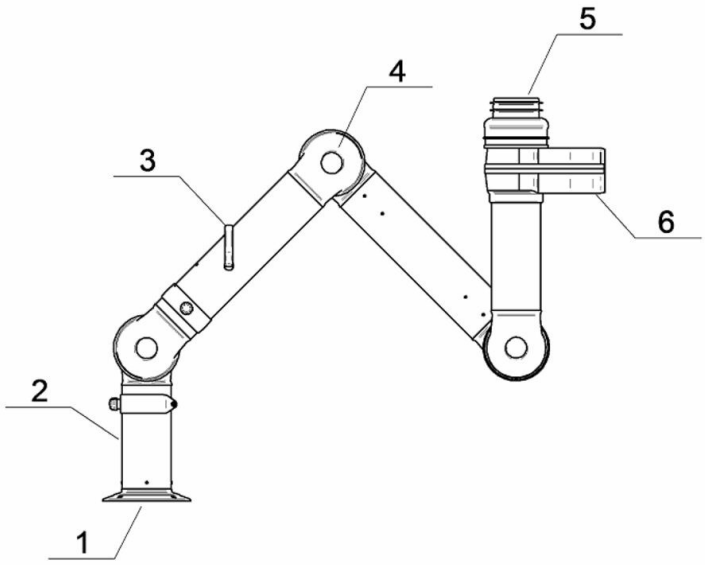
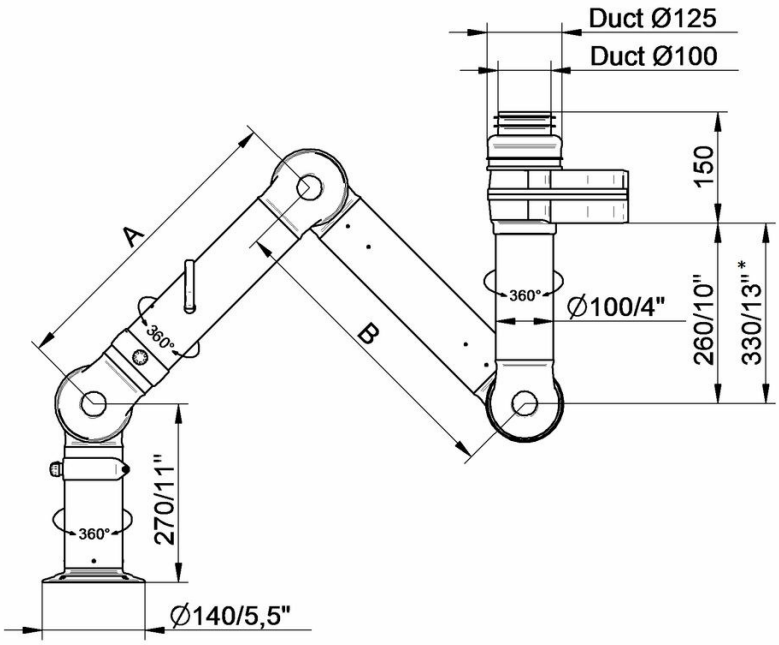


Material: 1) Flange: PP 2) Tubes: Aluminum: natural anodized 20 µm 3) Damper adjustment handle: Aluminum: anodized 10 µm Internal spring: Staineless steel Damper blade: Conductive TP & PP plastic 4) Joints: PP with glass fibre reinforcement Plastic rings: PP with glass fibre reinforcement Axial locking 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 with glass fibre reinforcement



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

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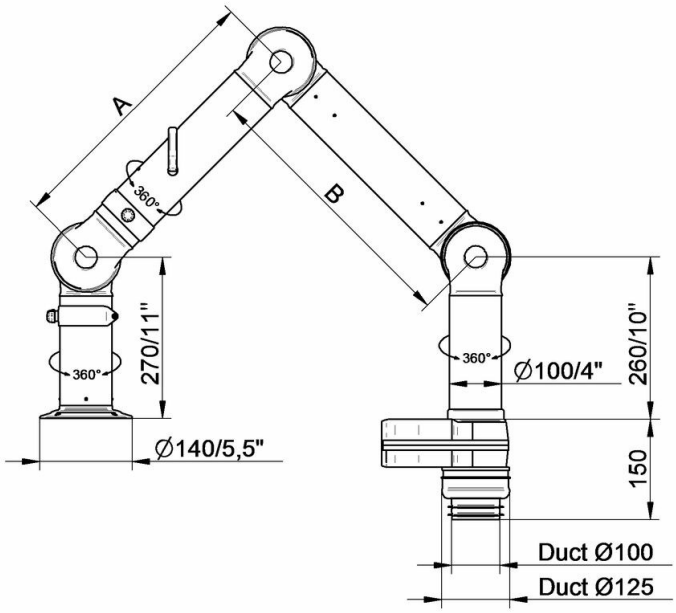
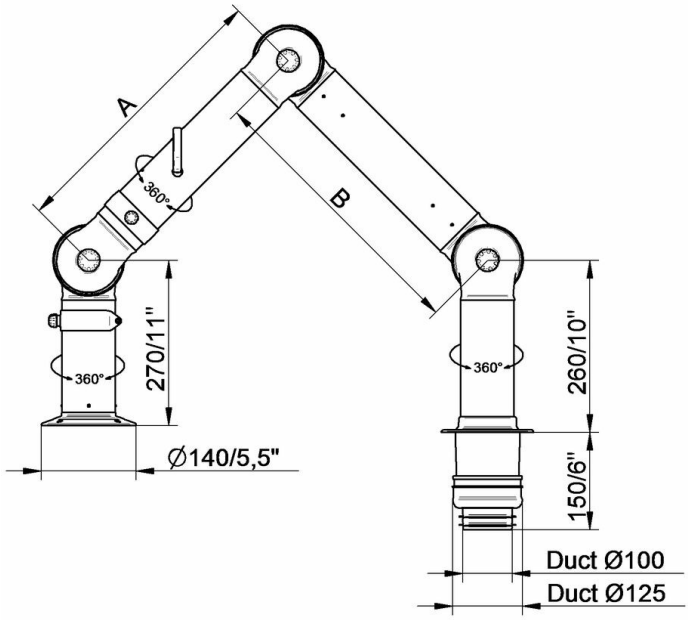


• FX2-CHEM-D100-L1200-Up/Down-Low Max. working radius: 46.1 in (1170 mm) A: 17.7 in (450 mm) B: 17.7 in (450 mm) • FX2-CHEM-D100-L1800-Down-Low Max. working radius: 69.7 in (1770 mm) A: 29.5 in (750 mm) B: 29.5 in (750 mm)



• FX2-CHEM-D100-L1200-Up/Down-Through Max. working radius: 46.1 in (170 mm) A: 17.7 in (450 mm) B: 17.7 in (450 mm) • FX2-CHEM-D100-L1800-Down-Through Max. working radius: 69.7 in (1770 mm) A: 29.5 in (750 mm) B: 29.5 in (750 mm)

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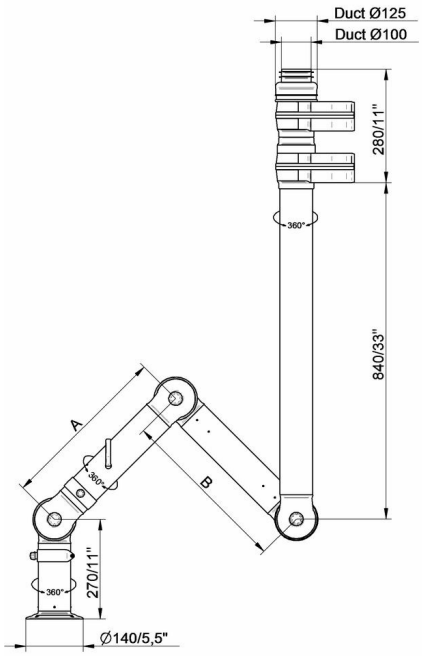
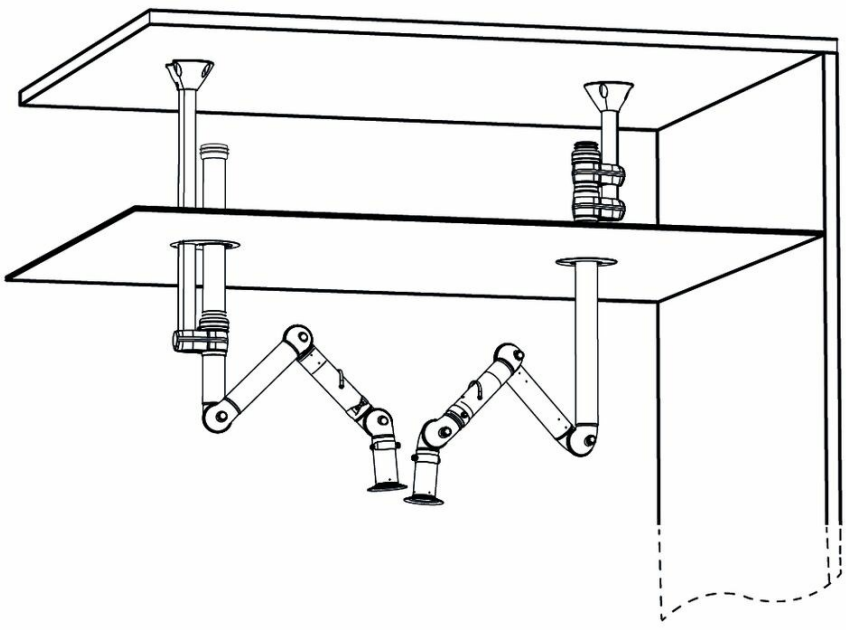


• FX2-CHEM-D100-L1200-Up-PLUS Max. working radius: 46.1 in (1170 mm) A: 17.7 in (450 mm) B: 17.7 in (450 mm) • FX2-CHEM-D100-L1800-Up-PLUS Max. working radius: 69.7 in (1770 mm) A: 29.5 in (750 mm) B: 29.5 in (750 mm) • FX2-CHEM-D100-L2400-Up-PLUS Max. working radius: 90.2 in (2290 mm) A: 39.7 in (1010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



Ceiling mounting example: Left: FX2-Up-Low arm with following accessories: -FX-Classic bracket -FX-Cut2fit extension-L1100 -FX2-Alu duct-WHT -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

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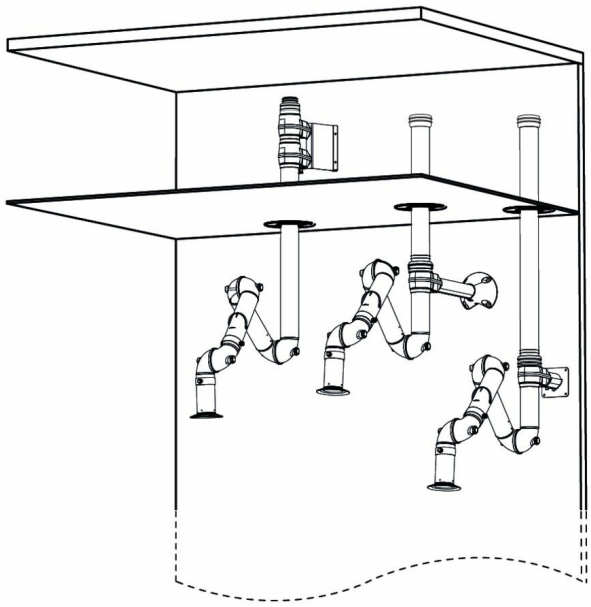
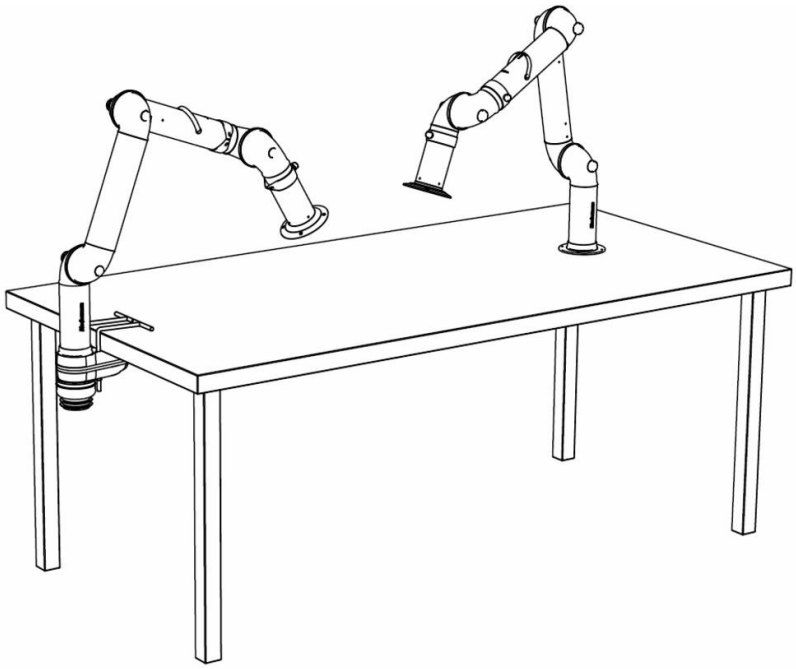


Wall mounting examples: Left: FX2-Up-PLUS arm with following accessories: -FX2-Wall-P BRKT kit-D50/75/100-L190 -FX2-Ceiling cover plate-PLUS Middle: FX2-Up-Low arm with following accessories: -FX2-Bracket kit-D50/75/100-L500 -FX2-Ceiling cover plate-PLUS -FX2-Alu duct-WHT -FX2-Duct connector-ORIG/CHEM-D100 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



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

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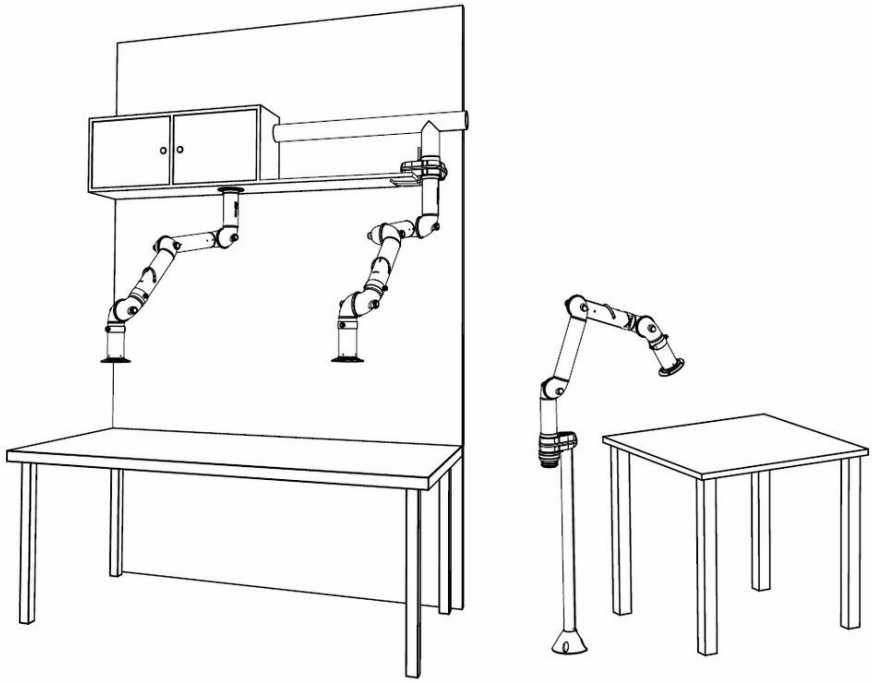

Other mounting examples: Left: Overbench cabinet mounting with FX2-Up/Down-Through arm Middle: Shelf mounting with FX2-Up-Low arm and following accessories: -FX2-Bench bracket kit

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