

Nederman

**BenchTop
Extraction Arms with unbeatable flexibility**



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A new generation of BenchTop extraction arms with unbeatable flexibility

Nederman introduces a new generation of BenchTop arms - the FX50, FX75 and FX100. These arms represent state-of-the-art technology based on Nederman's extensive experience of creating solutions to provide safe and clean working environments.

The arms are made of anodized aluminium tubing with polypropylene joints, offering strength and durability combined with light and easy handling. They are especially suitable for applications where small, flexible and easy-to-use arms are required to eliminate smoke, gases, dust and particles. For example, when soldering and gluing or handling solvents and noxious substances. Nederman BenchTop arms are designed to provide many years of trouble-free operation.

Industrial, research and educational applications

BenchTop arms offer perfect solutions for numerous types of workplaces. These can be found, for example, in:

- *Chemical and pharmaceutical plants*
- *Electronics assembly factories*
- *Research laboratories*
- *School chemistry laboratories and technical workshops*

For quick installation there is a range of self-assembly kits, complete with fans and filters. For more advanced applications we can provide customized solutions to meet specific requirements.

Ceiling, wall, floor or bench mounting

The multi-purpose mounting bracket allows complete freedom when planning installation points for the arms. They can be mounted on ceilings, walls and floors or fixed to worktops.





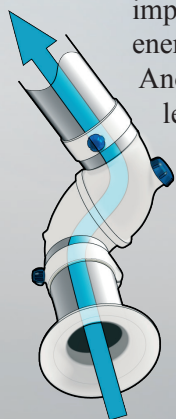
Unique manoeuvrability

The two outermost joints in the arm can rotate and swivel through 360°. This provides unequalled omni-directional flexibility and makes it possible to position the hood exactly where required. Once correctly positioned, the hood can be locked in place using two friction devices in the arm joints.

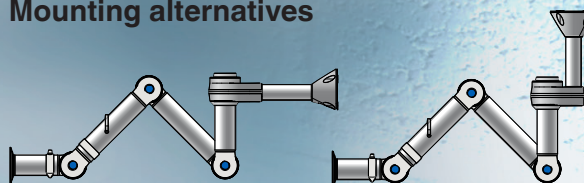
Designed for optimal efficiency and low noise

Computerized simulations were used in the development of this new series of extractors to create arms with optimal airflow and particle transportation properties. The resulting highly improved airflows mean that smaller and less energy-consuming fans are required.

Another user benefit is the reduced noise level. Depending on the airflow, this means a reduction of about 5dB, or more, when compared with similar arms on the market.

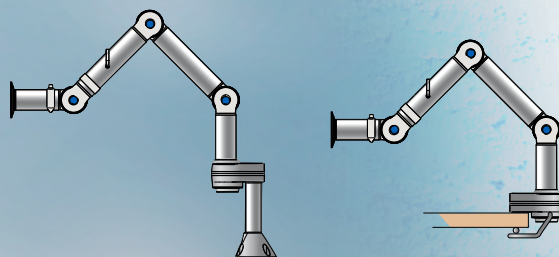


Mounting alternatives



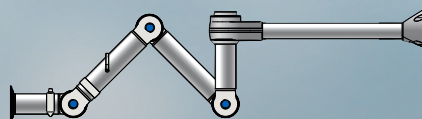
*Wall mounting
Connection up*

*Ceiling mounting
Connection up*



*Floor mounting
Connection down*

*Bench mounting
Connection down*



The arm's operational reach can be increased by using an extension profile. This means that one arm can be used by a number of adjacent work stations.

Arms for every application

The Nederman BenchTop arms can be used in every type of environment, ranging from assembly stations, where solder fumes are extracted, to laboratories, where protection against highly

corrosive or noxious gases is vital. Three different BenchTop arm models have been developed to cover a wide spectrum of needs:



The ORIGINAL model is a robust and reliable all-round arm for general applications where there is little risk of electrical discharges or attack by aggressive chemicals. The arm is shown fitted with a transparent combi hood.



The ESD/EX model is designed for use in electronic environments where there is a risk of electrostatic discharges. Following risk assessment, the ESD/EX can also be used for certain applications in explosive environments. The arm is made of conductive materials, eliminating the risk of static electricity and sparks. The hood is made of anodized metal.



The CHEM model has profiles made of double anodized aluminium. The arm is ideal for fume extraction in aggressive environments where corrosion resistance must be assured. The arm shown here is fitted with a painted, corrosion-resistant metal hood.



Metal hood



Combi hood

Universal mini hood and interface

Nederman BenchTop arms are supplied with a mini hood as standard – no extra extraction nozzle is required. The mini hood is also a universal interface for connecting to other hoods. A metal hood, a transparent combi hood or a dome hood can be attached directly to the mini hood, irrespective of arm size.

The optional combi hood can be used both as a dome and a screen hood. It has excellent screening properties, is fully transparent and does not cause optical distortions. The hood can be easily angled to suit any extraction situation.



Full range

FX100



FX75



FX50



The new generation of Nederman BenchTop arms is available in 50, 75 and 100 mm versions with corresponding capacity ranges of FX50: 50-110 m³/h, FX75: 110-240 m³/h and FX100: 200-450 m³/h.

FX32



For low-volume bench top extraction purposes there is a compact 32 mm version, comprising a one-piece, self-supporting, flexible arm.



From self-assembly kits to tailor-made solutions

Nederman BenchTop arms are available in self-assembly kits, which include a fan and filter, a fan speed controller, hoses, table bracket and connectors. The kit provides a quick and convenient solution for creating a fume-free workplace. Six different extraction kits are available.

For more information see the separate kit brochure or visit www.nederman.com

At Nederman we have both the products and the experience required to create customized extraction solutions, large or small. Our team of designers and engineers will help you construct a solution uniquely suited to your particular requirements. Our support services encompass every step – from consultation and design to installation and after sales service. Our design services are supported by full CAD facilities.



Our self-assembly kits include everything you need.



Nederman has a complete range of fans, filters and controllers for every size of extraction system.

Product range

Extraction Arms	Connection direction*	Diameter (mm)	Length (mm)	ORIGINAL Part No.	ESD/EX Part No.	CHEM Part No.
		Up/Down	32	1000	70502834	70502934
	Up/Down	50	700	70510144	70530144	-
	Down	50	1100	70510244	70530244	-
	Down	50	1500	70510444	70530444	-
	Up	50	1100	70510344	70530344	-
	Up	50	1500	70510544	70530544	-
	Down	75	1100	70540144	70560144	70550144
	Down	75	1500	70540344	70560344	70550344
	Up	75	1100	70540244	70560244	70550244
	Up	75	1500	70540444	70560444	70550444
	Up/Down	100	1200	70570144	70590144	70580144
	Down	100	1800	70570244	70590244	70580244
	Up	100	1800	70570344	70590344	70580344
	Up	100	2400	70570544	70590544	70580544

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

Accessories	Diameter (mm)	Length (mm)	ORIGINAL Part No.	ESD/EX Part No.	CHEM Part No.
		32		70371761	70371761
	32		70371760	70371760	-
	50 / 75 / 100	250	70501144	70501144	70501144
	50 / 75 / 100		70501244	70501244	70501244
	50 / 75 / 100	1100	70501344	70501344	70501344
	50 / 75 / 100	2200	70374600	70374600	70375600
	50 / 75 / 100		70501444	70501444	70501444
	50 / 75 / 100		70502644	70502644	70502644
	50 / 75 / 100		70502744	70502744	70502744

Hoods	Diameter (mm)	Size (mm)	ORIGINAL Part No.	ESD/EX Part No.	CHEM Part No.
		32	150x160	70371525	-
	32	260x120	70371756	70371807	-
	32	Ø260	70371757	70371808	-
	50 / 75 / 100	Ø280	70500444	70500544	70500444
	50 / 75 / 100	380x460	70500144	70500244	70500344
	50 / 75 / 100	Ø410	70376982	70376983	70376984
	50 / 75 / 100	260x335	70502844	70502944	70503044

	Reducers	63	70500644	70500644	70500644
	Reducers	75 - 80	70500744	70500744	70500744
	Reducers	100	70500844	70500844	70500844
	Reducers	125	70500944	70500944	70500944

	Hose (white)	45	3000	70501644	-	-
	Hose (grey)	75	3000	70501544	-	-
	Hose (grey)	100	3000	70501744	-	-
	Hose (grey)	125	5000	70501844	-	-
	Hose ESD/EX (black)	45	3000	-	70502044	-
	Hose ESD/EX (black)	75	3000	-	70501944	-
	Hose ESD/EX (black)	100	3000	-	70502144	-
	Hose ESD/EX (black)	125	3000	-	70502244	-
	Hose (black)	32	1500	70400052	-	-



The Nederman Group is one of the world's leading suppliers of products and solutions within the environmental technology sector, focusing on industrial air filtration and recycling.

Nederman products and solutions contribute to reducing the environmental impact from industrial production processes and to creating a safe and clean working environment whilst boosting production efficiency.

The Group's offering covers everything from the design stage through to installation, commissioning and servicing.

Nederman has subsidiaries in 30 countries and agents and distributors in over 30 countries.

Nederman is ISO 9001 and 14001 certified. The Group develops and produces in its own manufacturing and assembly units in Europe, North America and Asia.

The Group is listed on Nasdaq OMX Stockholm.

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