

# Extraction Arms and Filter Systems



The Nederman range of low vacuum extraction arms covers a wide variety of applications. All arms are highly flexible, and simple to position, extend and retract. Different attachments are available for wall, ceiling or extension bracket mounting as well as a number of accessories, including hoods and dampers to improve efficiency.

The arms are connected to a vacuum and filter system removing the contaminants from the extracted air so that it can be returned to the atmosphere or recycled without negative effects.



## Selection Guide – Extraction Arms

	Standard *	Telescopic	Original/ Original CR	NEX MD	NEX HD	Welding/ grinding table
Extraction of fumes, vapours and dust. Schools, limited spaces, small booths.	X	X	X			
Extraction of fumes, vapours and dust. Small workshops, metal fabrication shops.	X	X	X	X		X
Extraction of heavy smoke, vapours and dust. Heavy engineering workshops, welding, laser cutting, grinding with spatter.				X	X	X
Recommended airflows, m <sup>3</sup> /h (cfm)	600-900 (350-525)	600-1000 (350-600)	700-1000 (400-600)	900-1300 (525-800)	1000-1900 (600-1100)	1000-4000 (600-2400)
Maximum fume temperature, °C (°F)	70 (160)	70 (160)	70 (160)	70 (160)	120 (250)	Not applicable
Noise level at hood, dB(A)	67	70	75	69	63	–
Damper	Optional	Optional	Standard	Standard	Standard	–
Hose material	PVC covered aluminium foil	PVC covered polyester fabric	PVC covered polyester fabric	PVC covered polyester fabric	Glass fibre reinforced PVC, PVC covered polyester fabric	Not applicable
Connection Ø, mm (inch)	160 (6 1/4)	150/160 (6 / 6 1/4)	150/160 (6 / 6 1/4)	160 (6 1/4)	200 (8)	160/250 (6 1/4 / 10)
Note	Built in wall bracket 180°	360° swivel	360° swivel	360° swivel	360° swivel	Not applicable

## Selection Guide – Extraction and Filter Systems

Product	Description	Applications		Type			Filter	
		Service, maintenance and light production	Light to heavy production	Portable extraction unit	Mobile extraction unit	Fixed/stationary extraction installations	Cleanable	Disposable
Fume Eliminator 840/841	For mobile welding jobs in narrow spaces. To be connected to a welding torch or an extraction nozzle.	X		X				X
FilterCart Original	For welding applications. Complete unit with filter, fan and Original extraction arm.	X			X			X
FilterCart W3	For welding applications. Fulfills W3 from BGIA. Complete unit with filter, fan and a specially designed metal hood with spotlight, for maximum extraction. With alarm for exchange of filter cartridge.	X			X			X
FilterCart Carbon	For extraction of odours from fumes, solvents and gas contaminants. Complete unit with filter, fan and extraction arm.	X			X			X
FilterBox	Modular system for welding and dust applications. Can be equipped with compressed air cleaning for extra efficient filter cleaning.	X	X		X		X	
MFS filter	Modular filter systems. Three different and non cleanable filter cartridges: particle, micro/HEPA, and gas. To be combined with fan and arms. Expandable capacity.	X				X		X

For further information please contact your local Nederman sales representative. Also see the Nederman Design Guide and [www.nederman.com](http://www.nederman.com)

\* Not available in North America

Product availability may differ by country