

Mobile High Vacuum Cleaning Units



Electric powered units

Electric vacuum units are ideal for demanding cleaning tasks in most types of industries, such as food processing, pharmaceutical, powder coating and foundries. It can also be used in combination with on-tool extraction for small grinders and sanders and for welding fume extraction. The system is effortless to handle thanks to the ergonomic trolley with adjustable handle. The filter is durable with high filtration efficiency.

Air powered units

Air powered ejector units are used for collecting and transporting dry or wet materials and liquids in industries that work in very tough environments.

ATEX approved products

The air powered ejector units are also available for use in areas where explosion hazards exist. The ATEX approved products are made of conductive and antistatic material, to comply with the ATEX directive 94/9/EC, and can be used in explosion hazardous category 2 and 3 areas.



Model	Welding fume	Powder	Dust	Grit	Granulate	Chips	Liquids	Misc
Electric powered.								
Vacuum 21.5-30 kPa. Airflow 160- 360 m³/h								
P160 I	x	x	x					
P300 I	x	x	x	x				
P30 B	x	x	x	x	x			
P30 I	x	x	x	x	x	x		
P55 I	x	x	x	x	x	x		
Electric powered								
Vacuum 21.5-30 kPa. Airflow: 312- 639 m³/h								
Bb104			x		x	x		x
Bb181							x	
Bb216		x	x	x	x	x		x
Bb306					x	x	x	x
Bb515				x	x	x	x	
Bb680		x	x	x	x	x		x
Air powered								
Vacuum 21-68 kPa. Airflow: 306-660 m³/h								
Ab105			x		x	x		
Ab115			x		x			
Ab216		x	x	x	x	x		x
Ab306		x	x				x	x
Ab405				x	x	x	x	
Ab426		x	x	x	x	x		
Ab450			x		x		x	
Ab500			x		x	x	x	x
Ab510				x	x	x	x	
Air powered. EX approved								
Vacuum 21-68 kPa. Airflow: 306-660 m³/h								
Ab105 Ex			x		x	x		
Ab216 Ex		x	x	x	x	x		x
Ab426 Ex		x	x	x	x	x		x
Ab500 Ex			x		x	x	x	x
Ab510 Ex				x	x	x	x	

Product availability may differ by country

Air Powered Vacuum Units

		Ab105	Ab115	Ab216	Ab306	Ab405	Ab426	Ab500	Ab510
Part no:		42110500	42111500	42121600	42130600	42140500	42142600	42150000	42151000
Max. vacuum	mmWC	2100	3100	3100	3100	5200	5200	5200	5200
Max. airflow	Nm ³ /hr	306	342	342	342	342	342	342	342
Compressed air consumption	Nm ³ /min	1.0	1.6	1.6	1.6	3.0	3.0	3.0	3.0
Compressed air pressure	bar	7	7	7	7	7	7	7	7
Noise level *	dB(A)	72	74	74	74	76	76	76	76
Container practical volume:	litres	40	40	47	40 + 50	40 + 58	47 + 58	160	160
Length x Width x Height:	mm	1140 x 550 x 1200	1140 x 550 x 1200	700 x 530 x 1550	1760 x 550 x 1200	1400 x 730 x 1820	1400 x 730 x 1820	925 x 850 x 1380	925 x 730 x 1640
Weight:	kg	50	51	69	69	119	119	72	103
Standard suction hose diameter:	mm	51	51	51	51	51	51	51	51
Standard suction hose length:	m	6	6	6	6	6	6	6	6
Main filter area:	m ²	2.38	0.35	1.56	0.35	2.38	1.56	0.60	0.60
Main filter approval category:**		M	-	H	M	M	-	-	-
Main filter type:		Cartridge	Bag	Cartridge	Bag	Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	PTFE coated polyester	Microfibre	PTFE coated polyester Paper	Paper	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Manual	Reverse air jet	Manual	Manual	Reverse air jet	Manual	Manual
Standard suction hose quality:		PE	IVC	PE	PVC	PVC	PVC	PVC	PVC

* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

** Approval category - EN 60335-2-69

Air Powered Vacuum Units, Ex approved



		Ab105Ex	Ab216Ex	Ab500Ex	Ab510Ex
Part no:		42210500	42216000	42250000	42251000
Max. vacuum	mmWC	2100	5200	5200	5200
Max. airflow	Nm ³ /hr	306	342	342	342
Compressed air consumption	Nm ³ /min	1.0	3.0	3.0	3.0
Compressed air pressure	bar	7	7	7	7
Noise level *	dB(A)	72	76	76	76
Container practical volume:	litres	40	47	160	160
Length x Width x Height:	mm	1140 x 550 x 1200	700 x 530 x 1550	925 x 730 x 1640	925 x 730 x 1640
Weight:	kg	50	69	110	103
Standard suction hose diameter:	mm	51	51	51	51
Standard suction hose length:	m	6	6	6	6
Main filter area:	m ²	2.38	1.56	0.60	0.60
Main filter approval category:**		M	H	-	-
Main filter type:		Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Reverse air jet	Manual	Manual
Standard suction hose quality:		PE	PE	PVC	PVC

* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

** Approval category - EN 60335-2-69

Product availability may differ by country

Ab105/Ab 105 Ex
Dust and granules cleaning



Simple and robust system with capacity superior to most of the portable electrical vacuums on the market. Disposable dust bag. Can easily be adapted for liquid suction. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab115
Dust and granules cleaning



High capacity unit for heavy duty work. For suction and transportation of various nonflammable liquids, as well as metal chips, sand, and other granules. Tippable container.

Ab216/Ab216 Ex
Multi purpose and fine dust suction



High capacity system for fine dust. Single container system with HEPA/Absolute filter. Efficient cyclonic pre-separation. Manual filter cleaning. Larger dust container as option. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab306
Multi purpose and fine dust suction



Dual container system with pre-separator, for collection of liquids, dust, sand, and other fine granules. Contains three separation/filtration stages that ensure optimum cleaning efficiency. Containers are easily tilted when emptying the materials.

Ab405
Dry waste suction



Powerful dual container system. With silo and filter container for removal of industrial waste materials. Easy handling of heavy loads. Can be equipped with an adjustable counterweight valve and holder for discharge into sacks. With slots for forklift handling.

Ab426/Ab426 Ex
Industrial waste and powders



Powerful system with dual container system. With silo and cyclonic pre-separation. Manual filter cleaning. Handling of heavy loads especially easy. Adjustable counterweight valve for automatic discharge of waste material. Includes slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab500/Ab500 Ex
Liquid and coarse particle suction



Single container system. Transportation of material over a long distance possible. High material collection capacity. Optional bottom drain valve for quick and simple discharge of liquids. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab510/Ab510 Ex
Liquid and coarse particle suction



High capacity single container system for collection of coarse particles, as well as liquids and sludge. Allows transportation of material over long distances. Optional bottom drain valve for quick and simple discharge of liquids. Tippable container. With slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Product availability may differ by country

Electric Powered Vacuum Units

Unit type	Motor power max, W	Max. airflow, m³/h	Max. vacuum, kPa	Noise level (ISO 11201), db(A)	Cleaning equipm.	Auto start/stop	Compressed air connection	Dust-bin vol., L	Weight, kg	Height/Width/Depth, mm	Filter indicator	IP class	Filter	Voltage, V	Part no.
P160 I	1200	160	22	75	CE370 P	For electrical tools	No	21/14	19.5	1160/430/480	No	24	Textile bag filters	230 - EUR	40055000
														230 - DK	40055010
														230 - UK	40055020
														110 - UK	40055030
P300 I	2x1200	300	22	75	CE370 P	For electrical/pneumatic tools	Yes	32/28	36	1230/600/580	No	24	Textile bag filters	230 - EUR	40055400
														230 - DK	40055410
														230 - UK	40055420
														110 - UK	40055430
P30 B	3000	240	30	71	CE500	Optional (PAS30)	No	32/25	74	1230/700/880	Yes	55	Fine filter cartridge	400	40055500
P30 I	3000	240	30	71	CE450	Optional (PAS30)	No	32/25	74	1130/650/980	No	55	Textile bag filters	400	40055800
P55 I	5500	360	30	72	CE500	No	No	35/25	101	1130/650/980	No	55	Textile bag filters	400	40056000
														230	40056010



P160 I

A lightweight unit with an optional micro filter for the filtration of very fine particles.



P30 B

Designed for the professional handling of hazardous dust. The powerful side channel fan gives an outstanding extraction capacity.



P55 I

Dust extraction by three stage separation cyclone. An optional micro filter for the filtration of very fine particles can be added.



P300 I

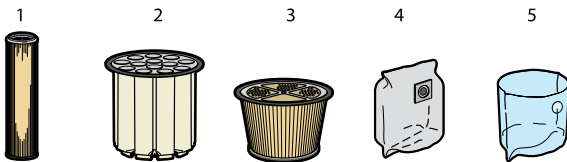
A robust unit with optional suction power—twin single phase motors.



P30 I

The textile filters offer an extra long life of 6000-8000 hours with this unit. An optional micro filter for the filtration of very fine particles can be added.

Filters for Electric Powered Units



	Filters	P160	P300	P30	P55	Part no.
2	Bag filter pack polypropylene	x				40114250
3	Cartridge filter	x				40114130
1	Micro filter cartridge	x				40114100
2	Bag filter pack polypropylene		x			40119951
1	Micro filter cartridge		x			40119970
2	Bag filter pack polypropylene			x		40114160
1	Micro filter cartridge			x		40114110
1	Micro filter cartridge				x	40114120
2	Bag filter pack polypropylene				x	40114180
3	Cartridge filter		x	x	x	40114140
4	Textile filter bag		x	x	x	40119990
4	Plastic bin liner	x				40110870
5	Plastic bin liner		x	x	x	40115011

Product availability may differ by country

Electric Powered Vacuum Units

		Bb104	Bb181	Bb216	Bb306	Bb515	Bb680
Part no:		42410400	42418100	42421601	42430600	42451500	42468000
Max. vacuum	mmWC	2150	2150	2150	2150	2150	3000
Max. airflow	Nm ³ /hr	312	312	460	460	460	639
Voltage	V	230	230	230	230	230	230/400
Power	kW	1.6	1.6	2.4	2.4	2.4	5.5
Power phase		Single	Single	Single	Single	Single	Three
Power frequency	Hz	50	50	50	50	50	50
Classification		IP44	IP44	IP44	IP44	IP44	IP54
Starting method		Direct	Direct	Direct	Direct	Direct	Man. Y/D
Noise level *	dB(A)	74	74	75	75	75	70
Simultaneous operators:		-	-	-	-	-	2
Container practical volume:	litres	40	40	47	40 + 50	160	47
Length x Width x Height:	mm	1140 x 550 x 1060	1140 x 550 x 1060	700 x 530 x 1350	1760 x 550 x 1060	990 x 730 x 1510	1290 x 590 x 1650
Weight:	kg	49	51.8	69	67	116	135
Standard suction hose diameter:	mm	51	38	51.0	51	51	51 / 63 / 76
Standard suction hose length:	m	6	6	6	6	6	-
Standard suction hose quality:		PE	PE	PE	PVC	PVC	-
Main filter area:	m ²	0.35	-	2.38	2.38	0.35	2.38
Main filter approval category: **		-	-	M	M	-	M
Main filter type:		Bag	-	Cartridge	Cartridge	Bag	Cartridge
Main filter material:		PTFE coated polyester	-	Paper	Paper	PTFE coated polyester	Paper
Main filter cleaning method:		Manual	-	Reverse air jet	Manual	Manual	Reverse air jet
Control filter area:	m ²	-	-	1.56	-	-	2.38
Control filter approval category:		-	-	H	-	-	M
Control filter type:		-	-	Cartridge	-	-	Cartridge
Control filter material:		-	-	Microfibre	-	-	Paper
Control filter cleaning method:		-	-	Manual	-	-	Manual

* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

** Approval category - EN 60335-2-69.

NOTE: Since Norclean is part of the Nederman Group, all models are now in the blue corporate colour (except stainless steel units). If the earlier Norclean colour (orange) is requested, it will be available for a transitional period of time.

Bb104 Workshop cleaning



Versatile single container system. Simple, robust and easy to handle. For the collection of dry materials over short distances.

Bb181 Liquid transportation



Robust system. Pump 500W max. capacity: 8 m³/h (4.7 cfm), max. discharge height: 8000 mmWC (315 in w.g.). Efficient suction of liquids and simultaneous transportation into tanks, etc.

Bb216 Multi purpose suction



High suction capacity, cyclonic pre-separation. Single container system. Double HEPA filter as option. Manual filter cleaning. Larger container as option.

Bb306 Multi purpose suction



Strong and durable suction equipment. Dual container system for liquid recovery and collection of dust, powder, sand, etc. Three separation/filtration stages. Tippable container.

Bb515 Liquid & coarse particle suction



High capacity system with bottom drain valve. For forklift handling and easy tipping into container, onto conveying belts and similar.

Bb680 Multi purpose, fine dust suction



General cleaning, suction from grinding machines, for powder transportation etc. HEPA/Absolute or washable polyester filter as option. Thermal overload as standard.

Product availability may differ by country

Air Powered Vacuum Units

		Ab105	Ab115	Ab216	Ab306	Ab405	Ab426	Ab500	Ab510
Part no:		42110500	42111500	42121600	42130600	42140500	42142600	42150000	42151000
Max. vacuum	mmWC	2100	3100	3100	3100	5200	5200	5200	5200
Max. airflow	Nm ³ /hr	306	342	342	342	342	342	342	342
Compressed air consumption	Nm ³ /min	1.0	1.6	1.6	1.6	3.0	3.0	3.0	3.0
Compressed air pressure	bar	7	7	7	7	7	7	7	7
Noise level *	dB(A)	72	74	74	74	76	76	76	76
Container practical volume:	litres	40	40	47	40 + 50	40 + 58	47+ 58	160	160
Length x Width x Height:	mm	1140 x 550 x 1200	1140 x 550 x 1200	700 x 530 x 1550	1760 x 550 x 1200	1400 x 730 x 1820	1400 x 730 x 1820	925 x 850 x 1380	925 x 730 x 1640
Weight:	kg	50	51	69	69	119	119	72	103
Standard suction hose diameter:	mm	51	51	51	51	51	51	51	51
Standard suction hose length:	m	6	6	6	6	6	6	6	6
Main filter area:	m ²	2.38	0.35	1.56	0.35	2.38	1.56	0.60	0.60
Main filter approval category:**		M	-	H	M	M	-	-	-
Main filter type:		Cartridge	Bag	Cartridge	Bag	Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	PTFE coated polyester	Microfibre	PTFE coated polyester Paper	Paper	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Manual	Reverse air jet	Manual	Manual	Reverse air jet	Manual	Manual
Standard suction hose quality:		PE	IVC	PE	PVC	PVC	PVC	PVC	PVC

* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

** Approval category - EN 60335-2-69

Air Powered Vacuum Units, Ex approved



		Ab105Ex	Ab216Ex	Ab500Ex	Ab510Ex
Part no:		42210500	42216000	42250000	42251000
Max. vacuum	mmWC	2100	5200	5200	5200
Max. airflow	Nm ³ /hr	306	342	342	342
Compressed air consumption	Nm ³ /min	1.0	3.0	3.0	3.0
Compressed air pressure	bar	7	7	7	7
Noise level *	dB(A)	72	76	76	76
Container practical volume:	litres	40	47	160	160
Length x Width x Height:	mm	1140 x 550 x 1200	700 x 530 x 1550	925 x 730 x 1640	925 x 730 x 1640
Weight:	kg	50	69	110	103
Standard suction hose diameter:	mm	51	51	51	51
Standard suction hose length:	m	6	6	6	6
Main filter area:	m ²	2.38	1.56	0.60	0.60
Main filter approval category:**		M	H	-	-
Main filter type:		Cartridge	Cartridge	Bag	Bag
Main filter material:		Paper	Microfibre	PTFE coated polyester	PTFE coated polyester
Main filter cleaning method:		Manual	Reverse air jet	Manual	Manual
Standard suction hose quality:		PE	PE	PVC	PVC

* Noise level - measured at a dist. 1 m (3 ft.), height 1.6 m (5.25 ft.)

** Approval category - EN 60335-2-69

Product availability may differ by country

Ab105/Ab 105 Ex
Dust and granules cleaning



Simple and robust system with capacity superior to most of the portable electrical vacuums on the market. Disposable dust bag. Can easily be adapted for liquid suction. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab115
Dust and granules cleaning



High capacity unit for heavy duty work. For suction and transportation of various nonflammable liquids, as well as metal chips, sand, and other granules. Tippable container.

Ab216/Ab216 Ex
Multi purpose and fine dust suction



High capacity system for fine dust. Single container system with HEPA/Absolute filter. Efficient cyclonic pre-separation. Manual filter cleaning. Larger dust container as option. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab306
Multi purpose and fine dust suction



Dual container system with pre-separator, for collection of liquids, dust, sand, and other fine granules. Contains three separation/filtration stages that ensure optimum cleaning efficiency. Containers are easily tilted when emptying the materials.

Ab405
Dry waste suction



Powerful dual container system. With silo and filter container for removal of industrial waste materials. Easy handling of heavy loads. Can be equipped with an adjustable counterweight valve and holder for discharge into sacks. With slots for forklift handling.

Ab426/Ab426 Ex
Industrial waste and powders



Powerful system with dual container system. With silo and cyclonic pre-separation. Manual filter cleaning. Handling of heavy loads especially easy. Adjustable counterweight valve for automatic discharge of waste material. Includes slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab500/Ab500 Ex
Liquid and coarse particle suction



Single container system. Transportation of material over a long distance possible. High material collection capacity. Optional bottom drain valve for quick and simple discharge of liquids. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Ab510/Ab510 Ex
Liquid and coarse particle suction



High capacity single container system for collection of coarse particles, as well as liquids and sludge. Allows transportation of material over long distances. Optional bottom drain valve for quick and simple discharge of liquids. Tippable container. With slots for forklift handling. Ex version with ATEX approval: EX II 2 GD c IIC 60°C (140°F) (T6)

Product availability may differ by country

Mobile Pre-Separator FA 7



The Nederman FA7 unit separates liquids and objects to prevent them from going into a stationary piping system. The FA7 pre-separator is ideal for vehicle repair shops, metal fabrication industries and wherever scraps of glass, metal and other coarse materials need to be removed. FA7 is also suitable for picking up water and cutting fluids.

- Captures coarse materials preventing clogs in the piping system
- Less wear on piping system
- Cyclone inlet for efficient pre-separation

Dustbin volume, l	Capacity, m ³ /h	Inlet	Outlet	Weight kg	Part no.
70	400	female Ø50 mm (KV50)	male Ø50 / Ø100 mm	40	40110140

Ab450 - Coarse dust suction



Single container system for fixed installation. Powerful vacuum unit suitable for recovery of liquids, dust and granulated material. Equipped with NVF filter, automatically cleaned at each system stop. Cyclonic discharge of the material into a container of 47 litres (12 gallons). Can be supplied with anti-static or conductive parts to avoid sparks from static electrical discharge. The unit is efficient for collecting greasy chips from lathes and drilling machines in a central suction system.

- Efficient vacuum unit requiring minimal installation area
- Efficient and self-cleaning NVF filter system
- High suction capacity

Product availability may differ by country

Suction Blaster 750



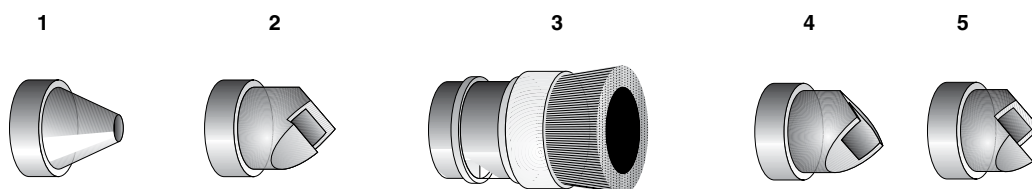
Blasting is the simplest and most effective way to remove corrosion, old paint and any other foreign matter from many kinds of surfaces. The Nederman Suction Blaster is a clean, dust free sand blaster that leaves the surface cleaned and well prepared for auto bodywork filling and painting etc. The blasting material is recycled in this closed system and is reused many times over.

- Recycling of blasting material gives lower costs
- Built-in filter for minimum airborne dust – reducing workshop cleaning
- The closed blasting process ensures no obstruction to other workshop activities

Type	Voltage, V	Part no.
Suction Blaster 750	230 - EUR	70750070
Suction Blaster 750	230 - UK	70750073

Designed for easy manoeuvring and use. The blasting material is retained by the filter and recycled, keeping the air clean.

Nozzles for Suction Blaster



Nozzle type	Description	Part no
1	Nozzle for spot areas.	70579960
2	Nozzle for edges.	70579963
3	Brush nozzle (included in Suction Blaster 750)	70101402
4	Nozzle for interior corners.	70579961
5	Nozzle for exterior corners.	70579962