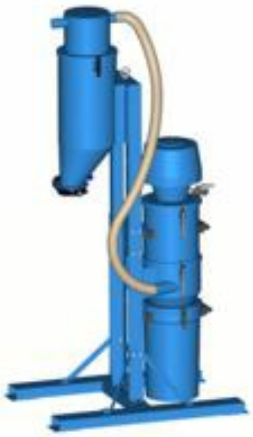
Product leaflet

471A configurable

A powerful dust collector, excellent high vacuum for suction over long horizontal and vertical distance



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471A configurable

- Robust and efficient self-cleaning filter
- Very powerful and reliable ejector as vacuum producer
- Suitable for heavy and/or abrasive material
- Control system with many different functions is available as an accessory

Nederman Pre-separation and Vacuum Transportation Systems pre-separate and discharge dust and granulated material during vacuuming and vacuum transport.
A system can handle dry material like cement, fertilizers, grit, sand, as well as wet material. Collected material can be discharged into tanks, containers, big-bags, on to conveyor belts, escalators etc.

The configuration of modules will be similar to 471A which are aimed for the toughest applications, for example handling a lot of abrasive and heavy material. The robustness of the unit and the power from the reliable ejector makes the unit very suitable for many applications where many industrial vacuum cleaners can not be used. For example to collect blasting material in blasting hall, sand recovery in foundries etc.

Your unit can be configured to meet your specific demands. Different ejectors can be used depending on the demand but also the availability of compressed air. The ejector can be placed on a stationary silo with filter.
Nederman has a range of different discharge valves that can be fitted to the silo for easy discharge of the collected material.
If handling larger quantities of material and in order to make the material handling more effective Nederman recommends using a pre separator before the vacuum unit.The 471A is a complete unit including a pre separator.

To configure your 471A you may only choose modules listed in this document and with mfc (module for configuration) in title.
1. Select ejectormodule depending on required vacuum and air flow.
2. Select filtermodule depending on filter capacity.
3. Select silomodule depending on disposal option.
4. Select disposal option, container or discharge valve with plastic bag.
5. Select coarse grain separator.
6. Select silo.
7. Select discharge valve.
8. Select frame.
9. Select hose for connection between vaccum cleaner and separator.
10. Select cleaning equipment.

Choose how to control your butterfly valve:
1. Electric controlled
- You need a namur valve, solenoid valve recommended for the ejector size you choose and a suitable control box.
2. Air controlled
- You need a namur valve.
Hose for air supply to the namur valve is not supplied by Nederman.
Ensure you meet all requirements for your modules.

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471A configurable

[ProductCertifications]	[ce]
[ProductFiltercleaningMethod]	[CompressedAir]

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Models

	Item no	[ItemMaxAirFlow]	[ItemFilterType]	[ItemNbrofFilterElements]
	43051004	342 Nm3/h		
	43051005			
	43051006			
	43160101		[NCF]	36
	43420026			
	43420027			
	43640001			
	43640003[1]			
	43751039[2]			
	43751040[3]			
	43413026			
	43332001			
	43334001			

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Models

	Item no	[ItemMaxAirFlow]	[ItemFilterType]	[ItemNbrofFilterElements]
	43550002[4]			
	43550005[5]			

[1] Recommended with 43630100
[2] Fits blastpots up to 680mm width. Max height 2,3m.
[3] Fits blastpots up to 560mm width. Max height 2,3m.
[4] Suitable for suction hose PU12 Ø51mm with coupler 40377028
[5] Flap valve 43885001 can be used on the inlet

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Accessories

	Accessory	Item no
	Discharge valve manual	43630001
	Manual butterflyvalve kit, MFC	43630400
	Pinch valve DN65	43632001
	Pinch valve DN80	43632100
	Pinch valve DN100	43632200
	Disch valve w/counterwt	43630200
	Discharge valve pneum	43630100
	Discharge valve Linatex d100 set w/	43630300
	Control System for Ejectors	43220034
	BLI EX - Bin Level Indicator - ATEX	40375269
	Plastic bag S50 - 25pcs 630x800	43650104
	Joint sleeve 65	40377028
	Joint sleeve 76mm	40130990

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Accessories

	Accessory	Item no
	Joint sleeve d75-89/d53-63mm	43884464
	Joint sleeve d65-75	43884463
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2 in (51 mm) Length = 33 ft (10m)	43832600
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2 in (51 mm) Length = 16 ft (5 m)	43832500
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2 in (51 mm) Length = 65 ft (20 m)	43832300
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2 in (51 mm) Length = 25 ft (7.5 m) w. couplings	43832102
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2 in (51 mm) Length = 33 ft (10 m) w. couplings	43832200
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2.5 in (63 mm) Length = 16 ft (5 m)	43833200
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2.5 in (63 mm) Length = 33 ft (10 m)	43833001
	PU12 Polyurethane Hose with embedded steel helix Diameter = 2.5 in (63 mm) Length = 65 ft (20 m)	43833100
	Floor suction kit incl. bend, pipe and head w/ small nylon wheels - Pipe Diameter = 2 in (50 mm) - Width = 20 in (500 mm)	42932100
	Suct equip compl d51/400	42932800
	Suct equip compl d51/400	42932300

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Accessories

	Accessory	Item no
	Floor suction head with small nylon wheels - 20 in (500 mm) Wide for 2 in (51 mm) suction pipes or hose	43840150
	Floor suction head with large 2.5 in (65 mm) rubber wheels - 16 in (400 mm) Wide for 2 in (51 mm) suction pipes or hose	43840250
	Floor suction head without wheels for dry suction - 16 in (400 mm) wide) for 2 in (51 mm) suction pipe or hose	43840550
	Suction tool, hand held with round black stiff nylon brush D = 2.5 in (60 mm) for 2 in (51 mm) vaccum pipe or hose	43860001
	Suction tool, hand held oval toothed PE nozzle 1.7 in D x 5 in W (42 mm x 128 mm) for 2 in (51mm) vaccum pipe or hose	43861001
	Suction tool, Hand held conical nozzle for 2 in (51 mm) vaccum pipe or hose - Length = 10 in (250 mm)	43862001
	Suction pipe 50 degree elbow for 2 in (51 mm) suction pipe or hose - Antistatic	43842150
	Straight suction pipe 43 in (1100 mm) long for 2 in (51 mm) suction pipe or hose	43842001
	Bulk nozzle scraper floor tool for 2 in (51 mm) suction pipe - Length = 47 in (1200 mm) Width 2.5 in (63 mm)	43850150
	Straight Metal suction pipe w/ false air valve for 2 in (51 mm) suction pipe - Length 36 in (910 mm)	43850001
	Scraper nozzle floor tool for 2 in (51 mm) suction pipe - Length = 40 in (1000 mm)	43851150
	Scraper nozzle floor tool for 2 in (51 mm) suction pipe - Length = 20 in (500 mm)	43851050
	Steel Swarf Nozzle with noise reduction inlet - Diameter = 2 in (50 mm)	40150030

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Accessories

	Accessory	Item no
	Floor suct head d63/500	43840400
	Bulk nozzle suction floor tool w/ false air valve for 2 in (51 mm) suction pipe - Length 37 in (930 mm) Width 2.5 in (63 mm)	43850050
	Gulper head d63 hatch	43850051
	Gulper head d63 w/handle	43850200
	Scraping tool d63 l1000	43851200
	Suction pipe alum d63	43843001
	Suct pipe bend alum d63	43843050
	Swivel steel d63	43843100
	Control S for NE 22-76	43220001
	Control S for NE 22-76, wo/control box	43220026
	Control S for NE86-96, wo/control box	43222008

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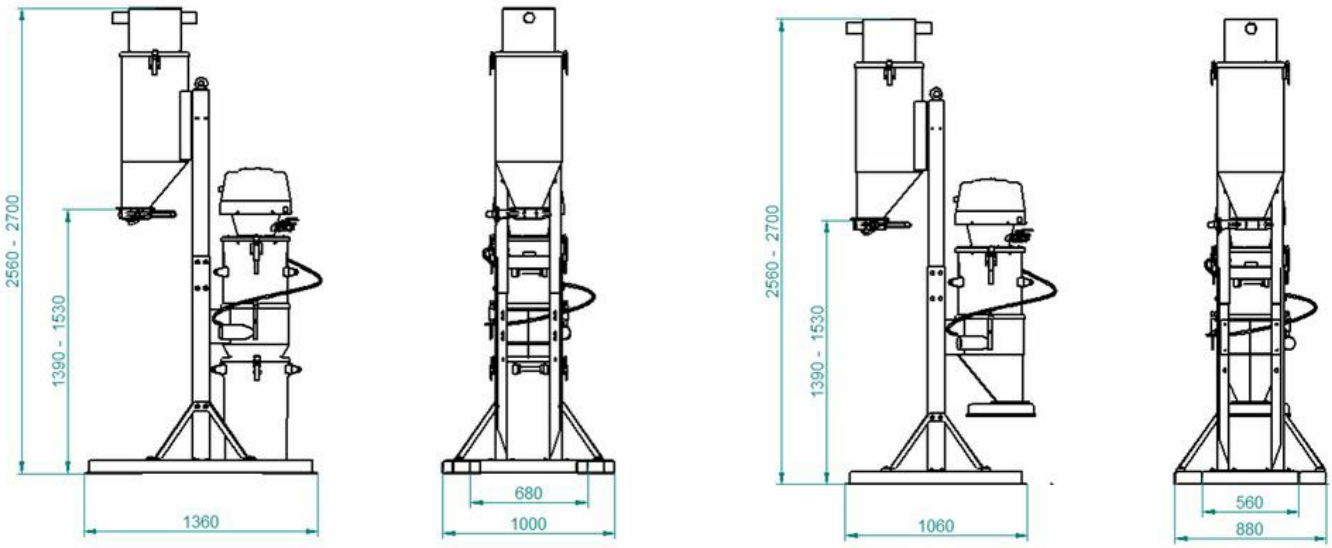

The height of your configuration is depending on which modules you choose

Ejector/Hose dimension	ø51mm	ø63mm	ø76mm
NE52	2	N/A	N/A
NE64	2	2,4	N/A
NE74	2,3	2,7	N/A
NE76	1,7	2,7	3,6
NE96	2,6	3,6	4,9

Capacity (tonne/hour) with Blasting media 2,4kg/liter and 20m hose

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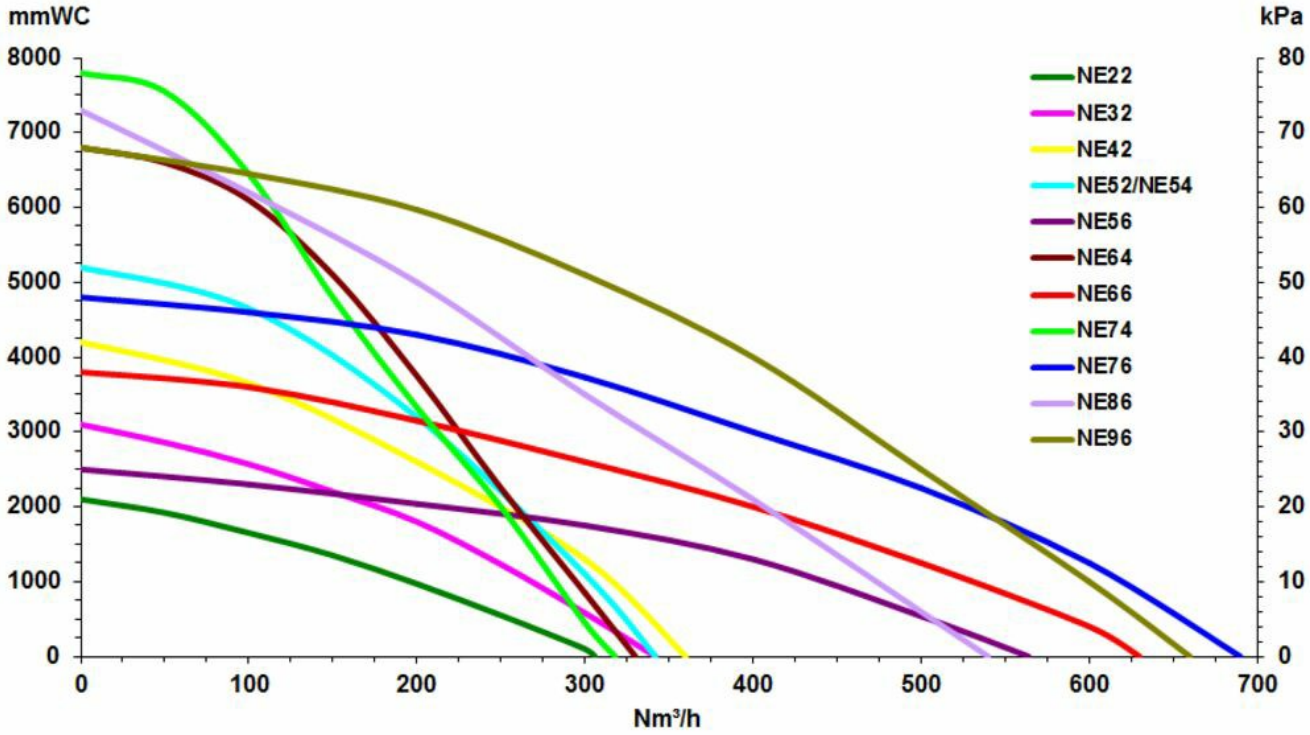

Air Powered ejectors All performance data are based on 7 bar supply pressure

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