

# 710A, Configurable.

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



## 710A, 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 710A 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 710A is a complete unit including a pre separator.

To configure your 710A you may only choose modules listed in this document and with mfc (module for configuration) in title.

Filterside:

1. Select ejectormodule depending on required vacuum and air flow.
2. Select filtermodule depending on filter capacity.
3. Select silomodule.
4. Select disposal option, bagholder and discharge valve.
5. Select frame.

Separatorside:

1. Select coarse grain separator.
2. Select silomodule.
3. Select discharge valve.
4. Select frame.
5. Select hose for connection between vacuum cleaner and separator.
6. Select joint sleeve depending on coarse grain separator and hose.
7. 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...

# 710A, Configurable.

|                 |                                   |
|-----------------|-----------------------------------|
| Certificeringen | CE                                |
| Applicatie      | Granulaten, Grit, Spaanders, Stof |

# Models

|                                                                                    | Item number             | Persluchtsbehoefte  | [ItemMaxAirFlow] | [ItemNoiselevel] | Max. vacuüm | Gewicht (kg) | Filtertype   | Aantal filterelementen |
|------------------------------------------------------------------------------------|-------------------------|---------------------|------------------|------------------|-------------|--------------|--------------|------------------------|
|    | 43051000 <sup>[1]</sup> | 4,3 Nm3/min @ 7 bar | 330 Nm3/h        | 77               | -68         | 18           |              |                        |
|   | 43750001                |                     |                  |                  |             |              |              |                        |
|   | 43441001                |                     |                  |                  |             |              |              |                        |
|    | 43561001                |                     |                  |                  |             |              |              |                        |
|    | 43661008                |                     |                  |                  |             |              |              |                        |
|    | 43051002 <sup>[2]</sup> | 5,4 Nm3/min @ 7 bar | 690 Nm3/h        | 78               | -48         | 18           |              |                        |
|    | 43051003 <sup>[2]</sup> | 8,6 Nm3/min @ 7 bar | 660 Nm3/h        | 78               | -68         | 18           |              |                        |
|  | 43164101                |                     |                  |                  |             | 55           | Kaars filter | 70                     |
|  | 43461007                |                     |                  |                  |             |              |              |                        |
|  | 43752001                |                     |                  |                  |             |              |              |                        |
|  | 43756001 <sup>[3]</sup> |                     |                  |                  |             |              |              |                        |
|  | 43756100 <sup>[3]</sup> |                     |                  |                  |             |              |              |                        |
|  | 43757001 <sup>[4]</sup> |                     |                  |                  |             |              |              |                        |

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# Models

|                                                                                  | Item number | Persluchtsbehoefte | [ItemMaxAirFlow] | [ItemNoiselevel] | Max. vacuüm | Gewicht (kg) | Filtertype | Aantal filterelementen |
|----------------------------------------------------------------------------------|-------------|--------------------|------------------|------------------|-------------|--------------|------------|------------------------|
|  | 43834100    |                    |                  |                  | 61          |              |            |                        |

[1] Recommended with filtermodule 43162101  
[2] Recommended with filtermodule 43164101  
[3] Each configuration needs the quantity of three legs, so to get a complete product you need to order three pieces of chosen number  
[4] To be used with 43756100, order three pieces

# Accessories

|                                                                                     | Accessory                              | Item number |
|-------------------------------------------------------------------------------------|----------------------------------------|-------------|
|    | Discharge valve manual                 | 43630001    |
|    | Pinch valve DN65                       | 43632001    |
|    | Manual butterfly valve kit, MFC        | 43630400    |
|    | Pinch valve DN80                       | 43632100    |
|    | Pinch valve DN100                      | 43632200    |
|    | Disch valve w/counterwt                | 43630200    |
|    | Discharge valve pneum                  | 43630100    |
|    | Discharge valve Linatex d100 set w/    | 43630300    |
|    | Bagholder f/0920220/230                | 43640001    |
|   | Bagholder f/0920210                    | 43640003    |
|  | Bagholder f/big bag                    | 43640201    |
|  | Bagholder for big bag, MFC             | 43640217    |
|  | Control S for NE 22-76, wo/control box | 43220026    |

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# Accessories

|                                                                                     | Accessory                                                                                     | Item number |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------|
|    | Control S for NE86-96, wo/control box                                                         | 43222008    |
|    | Control S for NE 22-76                                                                        | 43220001    |
|    | Electrical Control system for ejector NE 86 (Suction time: 0-5 min, Discharge time: 0-15 sek) | 43222001    |
|    | Mountingplate f/0802010 +0801020                                                              | 43690001    |
|    | Zuigslang PU12 Ø 51 mm L=10m                                                                  | 43832600    |
|    | Zuigslang PU12 Ø 51 mm L=5m                                                                   | 43832500    |
|    | Zuigslang PU12 Ø 51 mm L=20m                                                                  | 43832300    |
|    | Zuigslang PU12 Ø 51 mm L=7,5m met koppelingen                                                 | 43832102    |
|    | Hose PU12-51 L=10m w. couplers                                                                | 43832200    |
|    | Zuigslang PU12 Ø 63 mm L=5m                                                                   | 43833200    |
|  | Zuigslang PU12 Ø 63 mm L=10m                                                                  | 43833001    |
|  | Zuigslang PU12 Ø 63 mm L=20m                                                                  | 43833100    |
|  | Zuigslang PU12 Ø 76 mm L=10m                                                                  | 43834200    |

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# Accessories

|                                                                                     | Accessory                                        | Item number |
|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------|
|    | Zuigslang PU12 Ø 76 mm L=20m                     | 43834300    |
|    | Reinigingsset compleet Ø51 mm / 500 mm           | 42932100    |
|    | Reinigingsset compleet Ø51 mm / 400 mm           | 42932800    |
|    | Reinigingsset compleet Ø51 mm / 400 mm           | 42932300    |
|    | Vloerzuigmond Ø51 mm, 500 mm breed               | 43840150    |
|    | Vloerzuigmond Ø51 mm, 400 mm breed               | 43840250    |
|    | Vloerzuigmond met borstels, Ø51 mm, 400 mm breed | 43840550    |
|    | Handmondstuk, harde borstel d51                  | 43860001    |
|    | Handmondstuk pp d51                              | 43861001    |
|  | Conisch mondstuk d51                             | 43862001    |
|  | Elleboogpijp Ø 51 mm antistatisch                | 43842150    |
|  | Zuigbuis Ø51 mm, PEHD-EL 1 meter                 | 43842001    |
|  | Harde borstel met handgreep d51                  | 43850150    |

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# Accessories

|                                                                                     | Accessory                           | Item number |
|-------------------------------------------------------------------------------------|-------------------------------------|-------------|
|    | Harde borstel d51                   | 43850001    |
|    | Schraapgereedschap L=1000mm Ø 51 mm | 43851150    |
|    | Schraapgereedschap L=500mm Ø 51 mm  | 43851050    |
|    | Spaanmondstuk Ø 50 mm               | 40150030    |
|    | Vloerzuigkop 500 mm breed, Ø 63     | 43840400    |
|    | Harde borstel d63                   | 43850050    |
|    | Harde borstel d63 handvat           | 43850051    |
|    | Harde borstel met handgreep d63     | 43850200    |
|   | Schraapgereedschap L=1000mm Ø 63 mm | 43851200    |
|  | Aluminium bocht Ø63                 | 43843050    |
|  | Stalen draaikoppeling d63           | 43843100    |
|  | Aluminium zuigleiding Ø63           | 43843001    |
|  | Schraapgereedschap L=500mm Ø 63 mm  | 43851100    |

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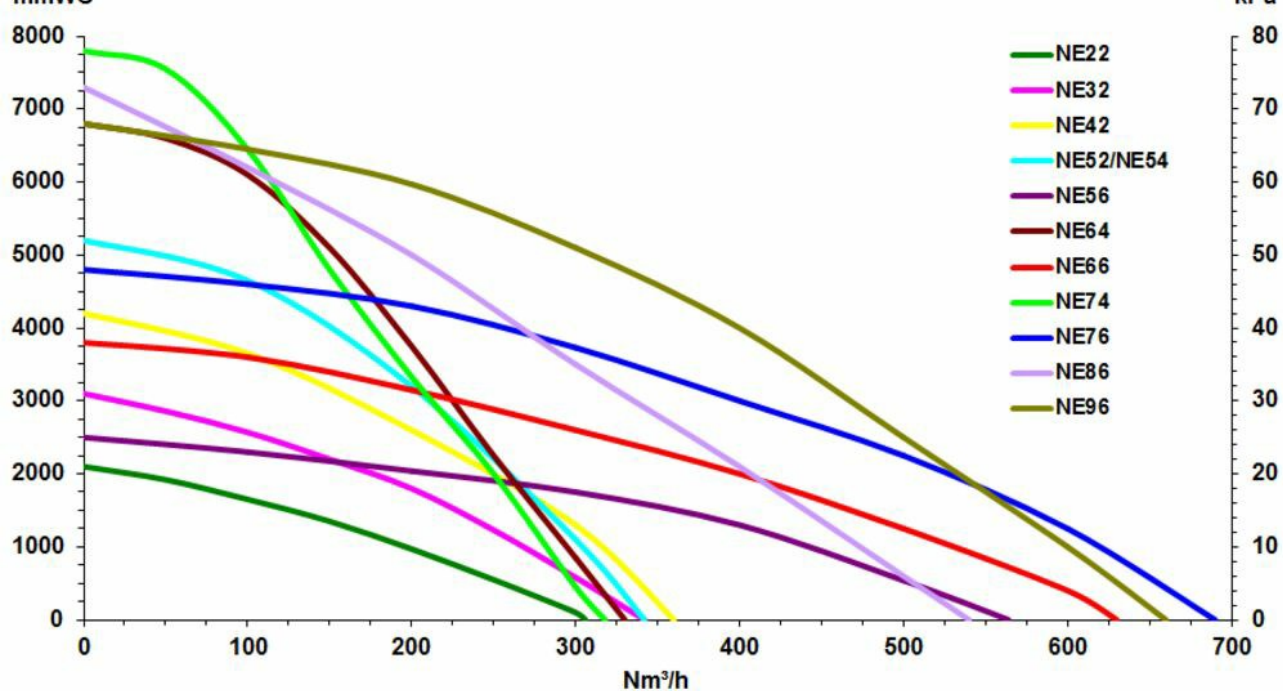
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# Accessories

|                                                                                     | Accessory                                                                                                                           | Item number |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------|
|    | Harde borstel d76                                                                                                                   | 43850100    |
|    | Harde borstel met handgreep d76                                                                                                     | 43850250    |
|    | Schraapgereedschap L=1000mm Ø 76 mm                                                                                                 | 43851250    |
|    | Conisch rode slang d76-63                                                                                                           | 43880350    |
|    | Conisch verloopstuk d76-51, inclusief klep 43885001                                                                                 | 43880300    |
|    | Conisch rode slang d63-51                                                                                                           | 43880250    |
|    | Slangkoppeling d63                                                                                                                  | 43880100    |
|    | Slangkoppeling d50                                                                                                                  | 43880050    |
|   | ATEX-goedgekeurde stofbakniveau-indicator voor veilige bewaking in gevaarlijke omgevingen met gedetailleerde gebruikersinstructies. | 40375269    |
|  | Joint sleeve d98-114/d70-88                                                                                                         | 43884462    |
|  | Conisch slangkoppeling d76                                                                                                          | 43880150    |
|  | Vloerzuigkop 600 mm breed, Ø 63                                                                                                     | 43840450    |

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

| Ejector/Hose dimension | ø51mm | ø63mm | ø76mm |
|------------------------|-------|-------|-------|
| 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

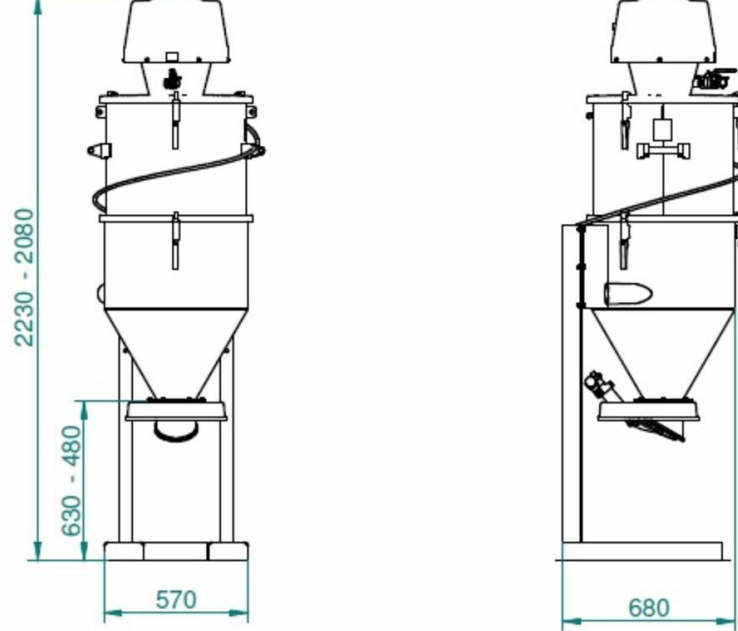
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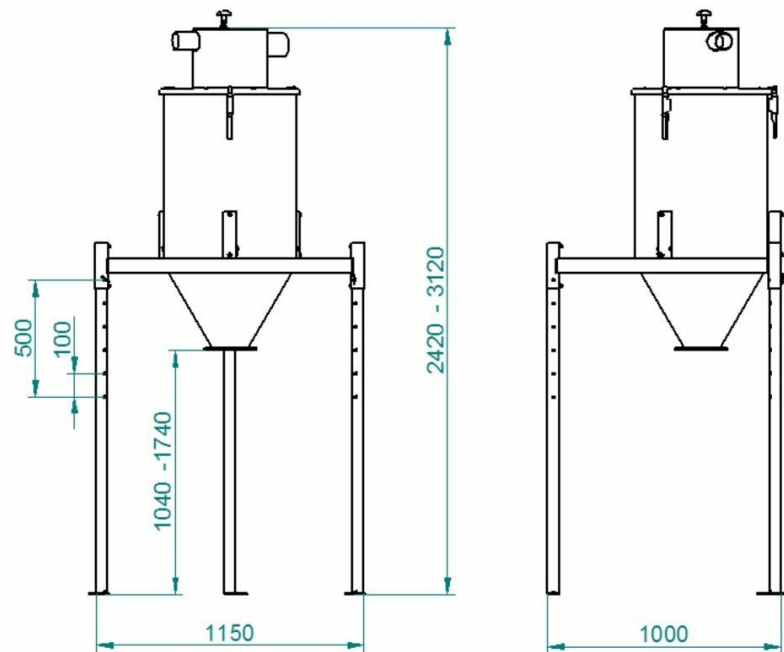
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**Nederman**

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Dimensions - Filter part



Dimensions pre-separation part