

Industrial vacuum cleaner 500-series

Configurable industrial vacuum cleaner for liquid and coarse particle extraction



Not just an ordinary industrial vacuum cleaner but a configurable solution to customer's specific challenges within wet or dry vacuum cleaning.

Nederman offers a unique and wide range of possible vacuum heads in order to provide the ultimate solution for your specific application. Electric or compressed air driven vacuum heads, with different capacities, are available.

Single container system designed for the collection of coarse particles, such as swarf and granulates as well as liquids and sludge. The container collects and holds a large volume of material and can be equipped with a drain valve for liquids.

Depending on the application, there are different filter types and stages to choose from, like polyester filter bags, coarse filter bags and cartridge filters.

For applications when handling liquids the unit can be equipped with a float system that prevents overflowing of the container.

Trolley can either be a simpler 2-wheel trolley or a more robust and tiltable trolley with four wheels and forklift slots, all depending on your actual needs.






- Configured and customized industrial vacuum cleaner
- Wide range of vacuum heads, filters and other components are available
- High material collection capacity
- Also available in stainless steel, 316L.
- Float system prevents overflowing when handling liquids

| | |
|---------------------------------|---|
| Product name | Industrial vacuum cleaner 500-series |
| Compressed air consumption | 1,0 to 9,5Nm ³ /min @ 7bar for A-units |
| Installation | ในอาคาร, นอกอาคาร |
| Application | เมล็ด, เศษ, ของเหลว |
| Dustbin volume (l) | 160-220 |
| Max Airflow (m ³ /h) | 306-690 |
| Hose Diameter (mm) | 38-76 |
| Hose length (m) | 5-40 |
| Power Voltage (V) | 230 |
| Frequency (Hz) | 50/60 |
| No of phases | 1 |
| Filter type | ไส้กรองใช้สำหรับกรองของเหลวที่อยู่ในระบบทอซึ่งมีความดันสูงมาก |
| Number of filter elements | 1 |
| Type of hose | - |
| Outlet | Drain Valve |
| Power (kW) | 2.5/2.4 |



เมล็ด เศษ ของเหลว

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| ပုံစံ | Compressed air requirement | Max airflow (m ³ /h) | Noise level (dB(A)) | Max vacuum (kPa) | Inlet | Weight (kg) | နံပါတ် |
|---|----------------------------|---------------------------------|---------------------|------------------|-------|-------------|---------------|
|  | 3.0 Nm ³ /min | 342 | 73.5 | 52 | Ø51mm | 94 | 46050000* |
|  | | 460 | 79.7 | 21.5 | Ø51mm | 63 | 46050001** |
|  | | 460 | 79.7 | 21.5 | Ø51mm | 96 | 46050002*** |
|  | 3.0 Nm ³ /min | 342 | 73.5 | 52 | Ø51mm | 61 | 46050003**** |
|  | 5.3 Nm ³ /min | 318 | 75 | 78 | Ø51mm | 61 | 46050004***** |

*Consists of 43035047, 43110300, 43366001, 43731001, 43950011 and 43660300

**Consists of 43054200, 43622304, 43110300, 43660001, 43660300, 43730001 and 43366001

***Consists of 43054100, 43110100, 43366001, 43622300, 43660300, 43660001 and 43731001

****Consists of 43035047, 43110300, 43950011, 43660300, 43366001 and 43730001

*****Consists of 43035051, 43110300, 43366001, 43660300, 43730001 and 43950011.






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| อุปกรณ์เสริม | | หมายเลขชิ้นส่วน |
|---|--|-----------------|
|  | Hose PE/C Ø 51 L=5m | 40160331 |
|  | Hose PE/C Ø 51 L=15m | 40160333 |
|  | Hose PE/C Ø 51 L=30m | 40160335 |
| | Hose PE/C-63 L=5m | 40375954 |
| | Flex. Hose Antist.Ø 063 Black,L=15m | 40375787 |
|  | PVC Hose, Ø 51 mm. length 7,5 m with conductive couplers | 43822600* |
|  | PVC Hose, Ø 51 mm. length 10 m with conductive couplers | 43822200* |
|  | PVC Hose, Ø 51 mm. length 25 m | 43822300** |
|  | Hose connector d50 | 43880050 |
|  | Hose connector d63 | 43880100 |
|  | Hose joint d76, Acid stainless steel | 43880150 |
|  | Hose red conical d63-51 | 43880250 |
|  | Reducer conical d76-51, Acid stainless steel | 43880300 |
|  | Reducer conical d76-63, Acid stainless steel | 43880350 |
|  | Hand nozzle, hard brush Ø90mm, Ø51 | 43860001*** |
|  | Hand nozzle, soft brush Ø90 mm | 43860200*** |
| | Toothed nozzle width 130 mm, Ø51 | 43861001**** |
|  | Cone nozzle Length 250 mm, Ø51 | 43862001***** |
|  | Steel swarf nozzle, Ø50 mm, Silenced inlet | 40150030**** |
|  | Scraper nozzle, length: 1000 mm Ø51 | 43851150**** |
|  | Scraper nozzle, length: 500 mm Ø51 | 43851050**** |
|  | Scraper hand nozzle, length 1000 mm, Ø63 | 43851200**** |

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| อุปกรณ์เสริม | | หมายเลขชิ้นส่วน |
|---|---|-----------------|
|  | Scraper hand nozzle, length 500 mm, Ø63 | 43851100**** |
|  | Scraper hand nozzle, length 1000 mm, Ø76 | 43851250**** |
|  | Elbow pipe, Ø51 mm | 43842150**** |
|  | Hose PU12 Ø 51 L=7,5m w. couplings | 43832102* |
|  | Hose PU12 Ø 63 L=5m | 43833200 |
|  | Hose PU12 Ø 76 L=10m | 43834200 |
|  | Hose PU12 Ø 76 L=20m | 43834300 |
|  | Hose PU12 Ø 51 L=5m | 43832500 |
|  | Hose PU12 Ø 63 L=20m | 43833100 |
|  | Hose PU12 Ø 63 L=10m | 43833001 |
|  | Hose PU12 Ø 51 L=10m | 43832600 |
|  | Hose PU12 Ø 51 L=20m | 43832300 |
|  | Floor nozzle, width 400 mm with small nylon wheels | 43840100***** |
|  | Floor nozzle, width 500 mm with small nylon wheels, Ø51 | 43840150***** |
|  | Floor nozzle, width 500 mm with large rubber wheels | 43840300***** |
|  | Floor nozzle, width 400 mm with large rubber wheels, Ø51 | 43840250***** |
|  | Floor nozzle, width 600 mm with large rubber wheels | 43840350***** |
|  | Floor nozzle width 400 mm without wheels for wet suction | 43840500**** |
|  | Floor cleaning equipment width 600 mm with small nylon wheels | 43840200***** |
|  | Floor nozzle width 400 mm without wheels for dry suction, Ø51 | 43840550***** |
|  | Floor suct head d63/600 | 43840450***** |
|  | Floor suction head width 500mm, Ø63 | 43840400***** |

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|---|--|-----------------|
|  | Cleaning pipe, length 1100 mm, Ø51 mm | 43842001**** |
| | Suction pipe aluminium Ø63 | 43843001***** |
|  | Suct pipe bend alum d63 | 43843050***** |
| | Swivel steel d63 | 43843100***** |
|  | Bulk nozzle Length 910 mm, Ø51 | 43850001*** |
|  | Bulk nozzle for floor with handle length 1200 mm, Ø51 mm | 43850150**** |
|  | Bulk nozzle length 910 mm, galvanized, Ø63 | 43850050**** |
|  | Bulk nozzle for floor, length 1200 mm, Ø63 mm | 43850200**** |
|  | Bulk nozzle length 910 mm for swivel (43843100), Ø63 | 43850051**** |
|  | Bulk nozzle length 910 mm, d76, galvanized | 43850100**** |
|  | Bulk nozzle with handle, Ø76 | 43850250**** |
|  | Hose type P | 40130911***** |
|  | Hose type P | 40130912***** |
|  | Hose type P | 40130902***** |
|  | Hose type P | 40130903***** |
|  | Hose type P | 40130934***** |
|  | Hose PE/C-63 L=10m | 40375955 |
|  | Hose PE/C-51 L=7,5m w.couplers | 43812103***** |
|  | SF51, female swivelling coupling dia 51 | 43930101 |
| | SM 51, Male swivelling coupling dia 51 | 43930102 |

*Couplings included, Ø 51 mm

**Without couplers

***ATEX - Suitable for combustible dust (zone 20,21,22). Ensure earthing to extraction unit. Not to be used in combustible gas atmospheres or extraction of explosive materials.

****ATEX - Suitable for combustible dust (zone 20,21,22) and gas (zone 1,2) of group IIA , IIB and IIC. Ensure earthing to extraction unit. Not to be used for extraction of explosive materials

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*****ATEX - This product is suitable to be used as cleaning equipment for combustible dusts with MIE (minimum ignition energy) >1 mJ. Product is to be properly earthed to the extraction unit. Not for usage in combustible gas atmospheres or extraction of explosive materials.

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*****Temp. - -25 to + 50 deg. C., Max vacuum - 50 kPa.

*****Couplings included Ø 51 mm