Vacuum Blaster

Mobile dust free blasting unit with superior productivity, suction power and separation efficiency

Bb418 Electrical Unit

Ab460 Air Powered Unit

Mobile vacuum blasting

Nederman Vacuum Blaster units are suitable for different purposes and applications, and have superior suction power and separation efficiency. The units are based on pressure vessels in combination with compressed air filters and pressure regulators that ensure sufficient speed of operation in a dust free environment. Nederman has been operating in the field of environmental equipment for more than 60 years, and has extensive experience in equipment and systems for blasting applications.

The Vacuum Blaster comes complete, mounted on a trolley with a grit separator, silo with an internal sieve, filling valve, efficient vacuum producer and compressed air filters. A pneumatic valve in the bottom of the silo empties the dust into a plastic bag.

Furthermore, the unit is equipped with a pneumatic control device for automatic filter cleaning. The Vacuum Blaster also comes with 10 m hose with a blasting and suction head.

The capacity of the vacuum unit is determined by the maximum blast pressure and the type of blasting abrasive used. The sieve ensures that bigger extracted particles can not enter into the blast vessel. The filling cone is pushed up by the blasting abrasive and the lid above it ensures sufficient clearance to eject the abrasive.

Advantages

- Cover larger surfaces faster - The Nederman Vacuum Blaster is a real productivity booster day in and day out thanks to the design of the vacuum head along with the continuous, non-pulsing stream of blasting abrasive.
- Less downtime and blasting abrasive costs - What happens to productivity when you have to refill new blasting abrasive nonstop? With the Nederman Vacuum Blaster you can operate continuously and re-use the same abrasive several times, depending on the type of abrasive. All types of blasting abrasive suitable for recycling can be used.
- Less back strain - Collecting the dust in plastic bags rather than in a metal bin that ads dead weight, saves your back. Collected metal dust can weigh up to 5 kg / l.
- Long life filters - Efficient pre-separation of abrasive with automatic reverse air jet filter cleaning. Mobile vacuum blasting

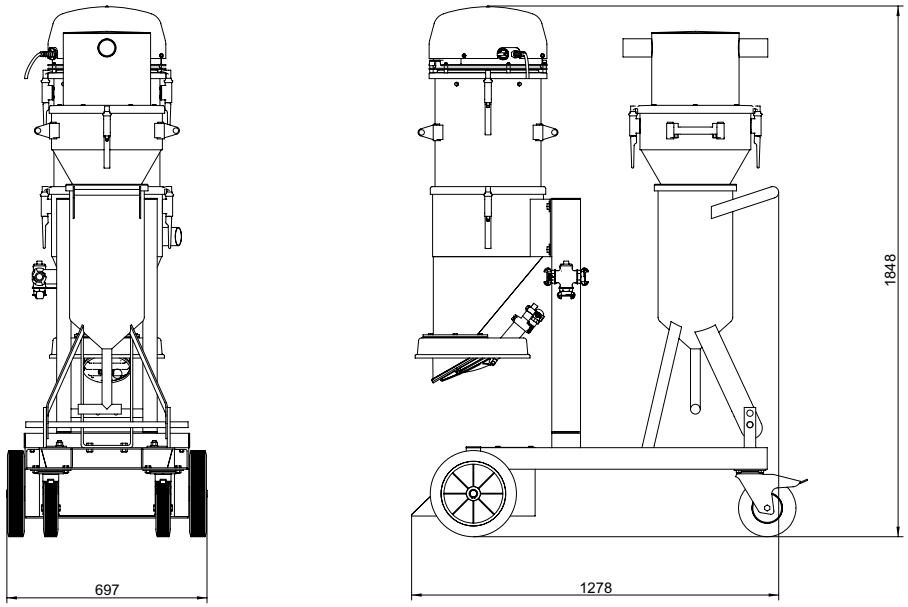
The Benefits of Vacuum Blasting

- Vacuum blasting can be used both outdoors and in enclosed spaces where regular blasting is not permitted.
- No need for special blasting rooms.
- Dust free blasting makes it possible to blast without people around you getting exposed to airborne dust and blasting abrasive.
- The dust generated from the blasting operation is immediately and continuously extracted together with the blasting abrasive to the grit separator that separates the dust from the active blasting abrasive.
- The unit is mobile, flexible and offers low start-up costs.
- The vacuum unit can be operated either electrically or by compressed air.
- With a simple manoeuvre, the function of the Vacuum Blaster can be changed so that it can be used for collection of blasting abrasive from a smaller blasting room!

Positive Health Effects of Vacuum Blasting

Did you know that there are isocyanates and polyurethane in paint, coatings, adhesives, sealants, etc? If a treated surface such as a painted surface is heated up as a result of a welding or grinding operation, hazardous gases containing isocyanates are released into the air. These isocyanates can be harmful to the respiratory tract. The concentrations can even reach levels that are high enough to cause asthma. So, blasting is an important precaution.

Dimensions Bb418/Ab418



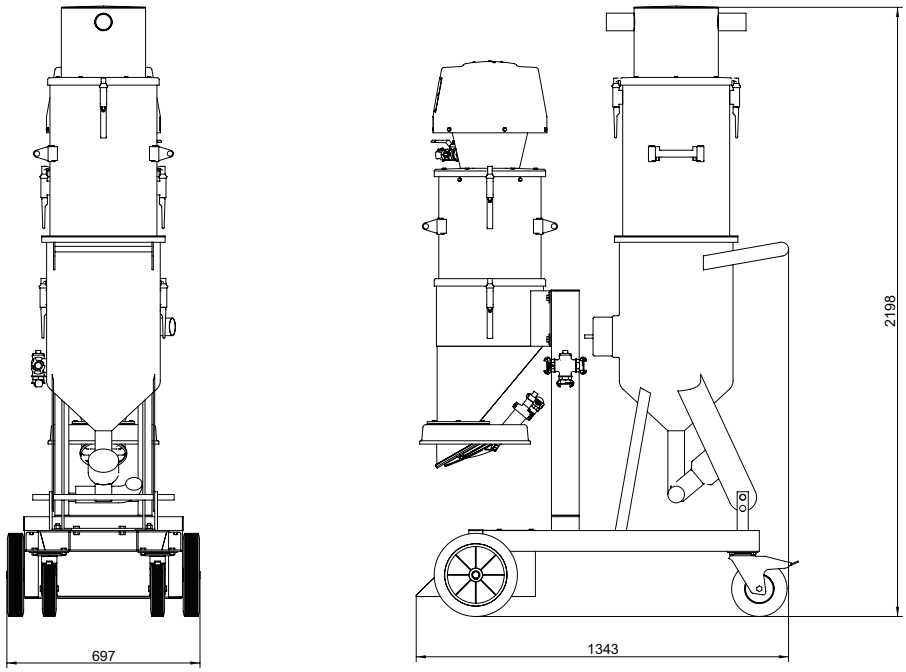
Bb418 Electrical Unit

Technical Data Bb418/Ab418

	Bb418 230V/50Hz	Bb418 110V 50/60Hz	Ab418 Air Powered
Part No	40056603	40056605	40056601
Weight	193kg	193kg	193kg
Weight with hose	+17kg	+17kg	+17kg
Power, kW	2.4	2.4	-----
Voltage	230V	110V	-----
Compressed air consumption			2.2 Nm^3/min
Max air flow	460 Nm^3/h	460 Nm^3/h	360 Nm^3/h
Max vacuum	21.5 kPa	20 kPa	42 kPa
Blasting method	Pressure blasting	Pressure blasting	Pressure blasting
Blast vessel	18 lit	18 lit	18 lit
Pre-separator	18 lit	18 lit	18 lit
Control device	2-line pneumatic	2-line pneumatic	2-line pneumatic
Air consumption total	2 bar = 0.7 m^3/min	2 bar = 0.7 m^3/min	2 bar = 2.9 m^3/min
[23]	3 bar = 1.0 m^3/min	3 bar = 1.0 m^3/min	3 bar = 3.2 m^3/min
	4 bar = 1.3 m^3/min	4 bar = 1.3 m^3/min	4 bar = 3.5 m^3/min
	5 bar = 1.7 m^3/min	5 bar = 1.7 m^3/min	5 bar = 3.9 m^3/min

Vacuum Blasting Head			
Standard nozzle head	Rounded 100 mm	Rounded 100 mm	Rounded 100 mm
Extraction connection	51 mm	51 mm	51 mm
Blast nozzle	Boron carbide 6.5 mm	Boron carbide 6.5 mm	Boron carbide 6.5 mm

Dimensions Bb460/Ab460



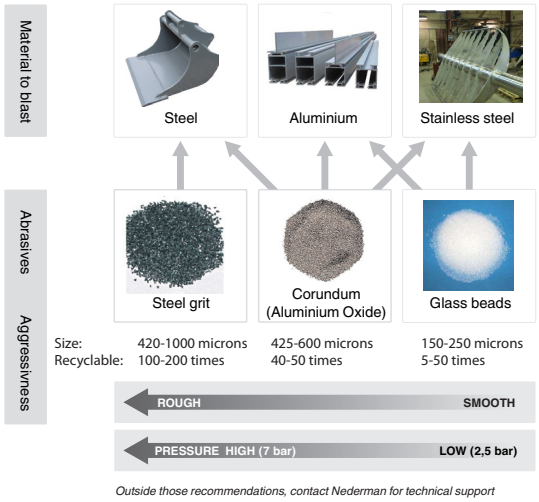
Ab460 Air Powered Unit

Technical Data Bb460/Ab460

	Bb460 230V/50Hz	Bb460 110V 50/60Hz	Ab460 Air Powered
Part No	40056604	40056606	40056602
Weight	242kg	242kg	242kg
Weight with hose	+17kg	+17kg	+17kg
Power, kW	2.4	2.4	-----
Voltage	230V	110V	-----
Compressed air consumption			2.2Nm3/min
Max air flow	460 Nm3/h	460 Nm3/h	360 Nm3/h
Max vacuum	21.5 kPa	20 kPa	42 kPa
Blasting method	Pressure blasting	Pressure blasting	Pressure blasting
Blast vessel	60 lit	60 lit	60 lit
Pre-separator	60 lit	60 lit	60 lit
Control device	2-line pneumatic	2-line pneumatic	2-line pneumatic
Air consumption total	2 bar = 0.7 m^3/min	2 bar = 0.7 m^3/min	2 bar = 2.9 m^3/min
	3 bar = 1.0 m^3/min	3 bar = 1.0 m^3/min	3 bar = 3.2 m^3/min
	4 bar = 1.3 m^3/min	4 bar = 1.3 m^3/min	4 bar = 3.5 m^3/min
	5 bar = 1.7 m^3/min	5 bar = 1.7 m^3/min	5 bar = 3.9 m^3/min

Vacuum Blasting Head			
Standard nozzle head	Rounded 100 mm	Rounded 100 mm	Rounded 100 mm
Extraction connection	51 mm	51 mm	51 mm
Blast nozzle	Boron carbide 6.5 mm	Boron carbide 6.5 mm	Boron carbide 6.5 mm

Abrasive recommendations

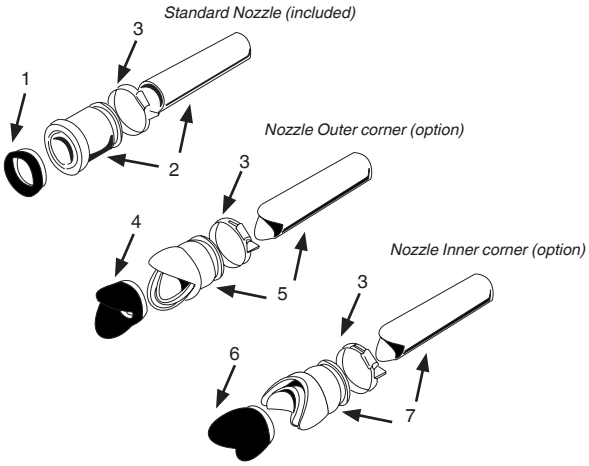


Outside those recommendations, contact Nederman for technical support

Aluminium Oxide, 25 kg
Part no: 40376292

Nozzles

	Part No	Description
1a	40375404	Brush ring standard
1b	40375409	Brush ring long (option)
2	40375403	Inner tube kit standard
3	40375410	Clamp for brush holder.
4	40375408	Inner corner brush ring
5	40375406	Inner tube and brush holder inner
6	40375407	Outer corner brush ring
7	40375405	Inner tube and brush holder outer



Abrasion plate

	Part No	Description
	43625001	Abrasion plate