

Nederman

**A new range of vacuum blasters
for clean, safe blasting
with blasting media recycling**



Nederman Vacuum Blasters

Blast exactly where needed.

Clean and dust-free without affecting the surrounding area



The cleanest and most economical blasting method

With a new range of vacuum blasters, Nederman takes blasting technology one step further by eliminating the traditional drawbacks of blasting. It is a completely dust-free process where the surrounding area is not exposed to flying blasting media. The blaster can therefore be used in premises where other activities are going on without disturbing them.

The unit is mobile and can be easily moved for use indoors, outdoors and in confined spaces where conventional blasting is not permitted.

Nederman's vacuum blasters also offer great economical advantages. The blasting agent is automatically drawn back into the unit, where it is cleaned and recycled as part of the process. Work can be carried out more effectively with fewer interruptions for refilling of blasting agent and the premises do not have to be cleaned after work.

DUST-FREE AND SAFE

- Clean and interruption-free for work colleagues and surrounding area
- Does not require screening or special protective equipment

ECONOMICAL

- Blasting media can be reused at least 3 times
- No post-cleaning required

ENVIRONMENTALLY FRIENDLY

- Blasting replaces chemicals and rust agents
- All approved blasting media can be used, e.g. glass beads and nutshells
- The air from the unit is purified and can be returned to the premises
- Blasted material is collected in a waste bag

FLEXIBLE

- Compact, mobile unit – easy to move between work stations

Versatile, safe and convenient



Cleans structures and removes harmful isocyanates that are released during welding and heating



Removes rust on vehicles, metal structures etc.



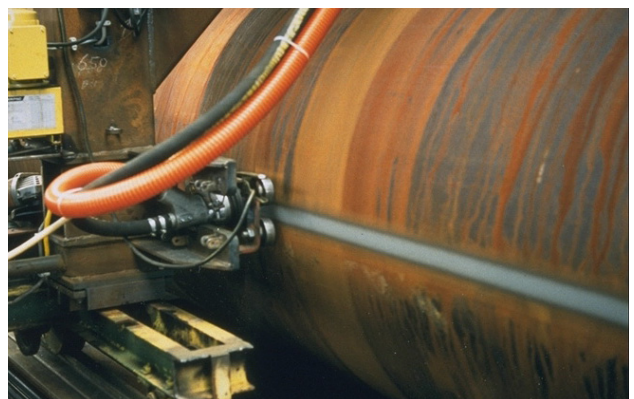
Always to hand for maintenance work and cleaning



Cleans and clears tanks and vessels safely – even inside



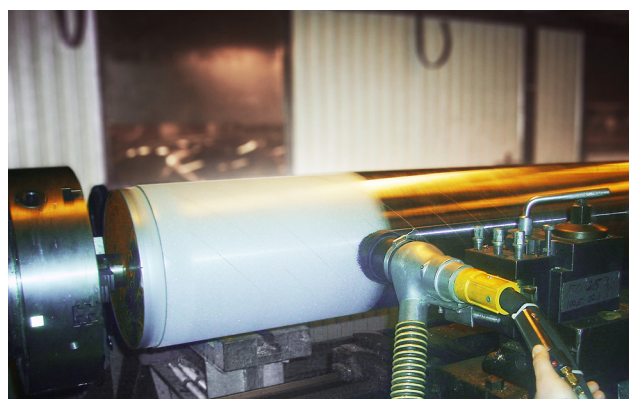
Cleans castings



Effectively cleans welding joints without the need of grinding tools



Removes casting beads of aluminium, composites etc.



Removes paint, rubber/plastic coverings on floors, rollers, etc. to give a new surface coating good adhesion



With electric motor
or air powered



- 1 Silo with internal sieve ensures that larger extracted particles cannot enter the blast vessel.
- 2 Long life filters with automatic filter cleaning
- 3 State-of-the art abrasive metering valve ensures a precise and even injection of abrasives into the air stream
- 4 A pneumatic valve empties dust into a collection bag

Electric or compressed air powered vacuum unit?

The blaster unit's vacuum unit can be powered by either an electric motor or compressed air. The electric version is recommended if you have limited access to compressed air. The air powered version requires a compressor output of 2-2.5 m³/min, in addition to the consumption required for blasting.



Ab460



Bb418

Model	Bb460	Bb460	Ab460
Vacuum unit	Electric	Electric	Compressed air
Order no.	40056604	40056606	40056602
Weight (+ hose)	242 (+17)		
Dimensions L x W x H	1343 x 697 x 2198 mm		
Output kW	2,4	2,4	Air powered
Voltage	230V	110V	-
Compressed air consumption	-	-	2,2 Nm ³ /min
Max. air flow	460 Nm ³ /min	460 Nm ³ /min	360 Nm ³ /min
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
Operation	2-lines pneumatic		
Total air consumption	2 bar = 0,7 m ³ /min 3 bar = 1,0 m ³ /min 4 bar = 1,3 m ³ /min 5 bar = 1,7 m ³ /min	2 bar = 0,7 m ³ /min 3 bar = 1,0 m ³ /min 4 bar = 1,3 m ³ /min 5 bar = 1,7 m ³ /min	2 bar = 2,9 m ³ /min 3 bar = 3,2 m ³ /min 4 bar = 3,5 m ³ /min 5 bar = 3,9 m ³ /min

Model	Bb418	Bb418	Ab418
Vacuum unit	Electric	Electric	Compressed air
Order no.	40056603	40056605	40056601
Weight (+ hose)	193 (+17)		
Dimensions L x W x H	1800 x 670 x 1850 mm		
Output kW	2,4	2,4	Air powered
Voltage	230V	110V	-
Compressed air consumption	-	-	2,2 Nm ³ /min
Max. air flow	460 Nm ³ /min	460 Nm ³ /min	360 Nm ³ /min
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
Operation	2-lines pneumatic		
Total air consumption	2 bar = 0,7 m ³ /min 3 bar = 1,0 m ³ /min 4 bar = 1,3 m ³ /min 5 bar = 1,7 m ³ /min	2 bar = 0,7 m ³ /min 3 bar = 1,0 m ³ /min 4 bar = 1,3 m ³ /min 5 bar = 1,7 m ³ /min	2 bar = 2,9 m ³ /min 3 bar = 3,2 m ³ /min 4 bar = 3,5 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

Rounded 100 mm	Rounded 100 mm	Rounded 100 mm
51 mm	51 mm	51 mm
Boron carbide 6,5 mm	Boron carbide 6,5 mm	Boron carbide 6,5 mm

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