

# RBU UNITS



Powerful vacuum unit for tough jobs.  
The right choice for high vacuum extraction  
when extra power is required to take care of  
larger debris or remove waste products  
through long pipelines.

Improving your workspace

*Efficient acoustic enclosure in combination with a modern pump technique gives a powerful but quiet unit.*



# QUIET AND POWERFUL!

**Extra power is required when larger debris needs to be taken care of or unwanted by-products need to be transported through long pipelines.**

Nederman RBU units work uninterruptedly with strong suction and a maintained efficiency. This is the perfect vacuum source in larger systems where powerful vacuum is required to balance for large pressure drop in long pipes or hoses.

Many of our RBU units can operate continuously at -45kPa and are the optimal vacuum source for heavy cleaning and heavy on-tool extraction.

The unique quality of the RBU unit is the combination of an extraordinary suction capacity and a low noise level. This is due to successful design with a 3-lobe roots type blower fitted with unique inlet and

outlet silencers, all housed in a heavy insulated acoustic enclosure.

## **Reliable in operation**

Our RBU units are equipped with a highly efficient roots type pump with safety functions such as temperature control, safety valve, back flush valve etc. Other features contributing to reliability are gears in an oil bath and a generously dimensioned motor.

## **Higher efficiency gives lower energy costs**

When vacuum is stronger than -30 kPa, the RBU has 30-35% higher efficiency compared to centrifugal fans or side channel fans (turbo pumps). This gives effective suction at a lower cost.



### The heart of the system

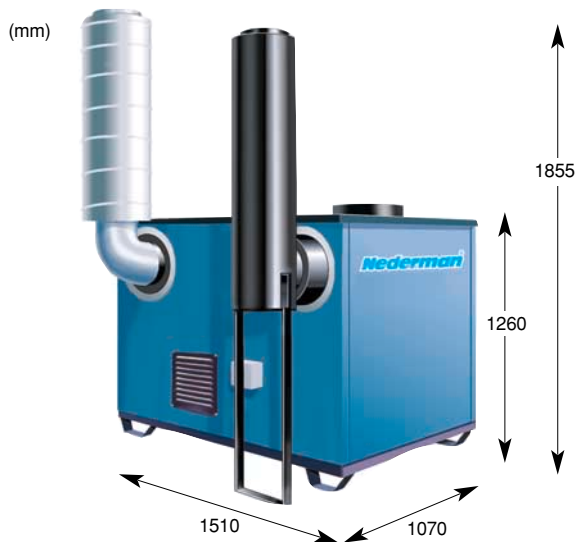
The RBU unit together with a dust collector and a PLC controlled starter, make a very efficient vacuum system where start and stop of the unit and filter cleaning are automatic.

The system is very easy to use. It starts when the operator opens a valve for suction and stops when

all valves are closed. An energy saving idling function is standard fitted.

For pre-separation of fluids, metal shavings, coarse waste etc, a wide range of pre-separators is available.

# Technical data



## Environmental information

Solvent-free lacquering.  
Halogen-free (PVC-free) cables.  
High efficiency automatic idling and start/stop give low power consumption.

Vacuum units RBU		1300	1600	1600E	2100	2100E	2600
Weight	kg	885	915	975	1115	1150	1220
Max. vacuum	kPa	33	38	45	33	45	45
Capacity at 20 kPa	m <sup>3</sup> /h	1300	1600	1600	2100	2100	2600
Maximum flow	m <sup>3</sup> /h	1650	2000	2000	2600	2600	3200
Motor power	kW	22	30	37	37	45	55
Noise level, ISO 11201	dB(A)	70	70	70	70	70	70

## Accessories

FlexFilter, our modular design dust collector is available in many different options.

See separate brochure and selection guide.



FlexFilter Single



FlexFilter Twin



PLC controlled starter

# Nederman®

*Improving your workspace*

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