

## Electric powered vacuum systems 50



Rely on **norclean** electric powered vacuum systems to handle all material collection problems. These units are powerful and extremely efficient. They are engineered to easily discharge the collected materials.

Designed, constructed and serviced to meet the demands of the toughest environments and applications.

- Powerful motors produce high vacuum and suction capacities.
- Separate air-cooling circuits prevent the motors from overheating. All motors are of the two stages, bypass type.
- High efficiency filtration systems provide effective particle separation. Self-cleaning systems are available.
- Trolley mounted containers easily tip to empty the collected materials.
- Suction of dry or wet substances is provided.
- Units are rugged, built to last, and simple to maintain.
- Interchangeable components offer the flexibility to solve any collection problem.
- All **norclean** equipment is supported by a prompt and professional service group, backed by readily available replacement parts.



### Model Bb104 series units



Single container system, designed for the collection of dry materials over short distances. Versatile unit for use in diverse industries and institutions. Suction equipment is light and easy to handle. For suction of liquids the unit must be equipped with a float ball.

Weight (kg): 49,0.

Dimensions (mm): L=1140, W=550, H=1060.

Container volume (l) : 67.

Practical collection volume (l): 40.

Filter system: Filter bag system 50.

Power head: Code no. 02 01 011.

### Model Bb115 series units



Single container system, designed for heavy industrial cleaning of oil, chemicals, mud, cooling liquids, and water as well as short metal shavings, powders, sand and other granules. Suction equipment is made for heavy duty work. Engineered so that trolley mounted container easily tips to empty materials.

Weight (kg): 50,0.

Dimensions (mm): L=1140, W=550, H=1060.

Container volume (l): 67.

Practical collection volume (l): 40.

Filter system: Filter bag system 50.

Power head: Code no. 02 02 032.

### Model Bb116 series units



Single container system, designed for the collection of powder, granules and hazardous materials. Include two separation/filtration stages (disposable filter bag, absolute filter). The material can be collected directly into plastic collection bags and a contact with the collected material is minimized. Suction equipment is light and easy to handle.

Weight (kg): 59,0.

Dimensions (mm): L=1140, W=550, H=1390.

Container volume (l): 67.

Practical collection volume (l): 40.

Filter system: Absolute filter and disposable filter bag.

Power head: Code no. 02 02 032.

### Model Bb310 series units



Dual container system, designed for the collection of dust, powder, sand and other fine granules. This system contains three separation/filtration stages that ensure optimum cleaning efficiency. Suction equipment is strong and durable. Engineered so that trolley mounted containers easily tip to empty materials.

Weight (kg): 67,0.

Dimensions (mm): L=1760, W=550, H=1060.

Container volume (l): 2 x 67.

Practical collection volume (l): 50 + 40.

Filter system: Cartridge filter and dust bag.

Power head: Code no. 02 02 032.

### Model Bb420 series units



Dual container system, designed for removal of industrial waste. Special swivelling, locking wheels are sized to increase mobility, and make the handling of heavy loads especially simple. The silo is designed to allow the material collected to be emptied into collection bags or discharged over gratings or chutes. The unit can be equipped with an adjustable counterweight valve, or our standard manual valve. These models include provisions for handling by forklift.

Weight (kg): 130,0.

Dimensions (mm): L=1400, W=730, H=1820.

Container volume (l): 86 + 67.

Practical collection volume (l): 58 + 40.

Filter system: Cartridge filter and dust bag.

Power head: Code no. 02 02 032.

### Model Bb451 series units



Single container system for fixed installation built on frame. Standard with manual cleaning of the HEPA filter system. Can be equipped with control filter for extra protection of the vacuum producer. 47 or 67 litre container to customer option.

Remote control or automatic control, as well as automatic filter cleaning can be supplied. Suitable for collection of fine dust, granulates and chips.

Weight (kg): 83,5.

Dimensions (mm): L=700, W=380, H=1400.

Container volume (mm): 47.

Practical collection volume (l): 47.

Filter system: Absolute filter.

Power head: Code no. 02 02 032.

### Model Bb461 series units



Dual container system for fixed installation built on frame. Preseparator silo installed with counterweight discharge valve. Standard with manual cleaning of the HEPA filter system. Filter cleaning can be made fully automatic by installing electric cylinder and timer device. As accessory equipment, bag holder can be installed for bag filling of collected material. Suitable for cleaning of production machinery and floors. Can collect large quantity of fine dust, granules, metal chips and other products.

Weight (kg): 134,5.

Dimensions (mm) L=1370, W=880, H=1960.

Container volume (mm): 86 + 67.

Practical collection volume (l): 58 + 67.

Filter system: Absolute filter.

Power head: Code no. 02 02 032.

### Model Bb515 series units



High capacity system designed to remove larger quantities of liquids or granules. Trolley mounted container easily tips to discharge its contents. Bottom drain valves

are available for the simple discharge of liquids. Designed for handling by forklift.

Weight (kg): 116,0.

Dimensions (mm): L=990, W=730, H=1510.










Container volume (l): 220.

Practical collection volume (l): 160.

Filter system: Filter bag system 50.

Power head: Code no. 02 02 032.

## Technical data (power head)

Code no.	Type	Approvals	Power	Voltage	Max. Vacuum		Max. air-flow	Noise*	Ø std. Suction hose
			kW	V,50/60Hz	mmWC	-mbar	Nm <sup>3</sup> /h	dB(A)	mm
02 01 011		  IP44	1,6	230	2150	215	310	74	51
02 02 032		  IP44	2,4	230	2150	215	460	75	51
02 02 042		  IP44	2,4	230	2150	215	460	75	51

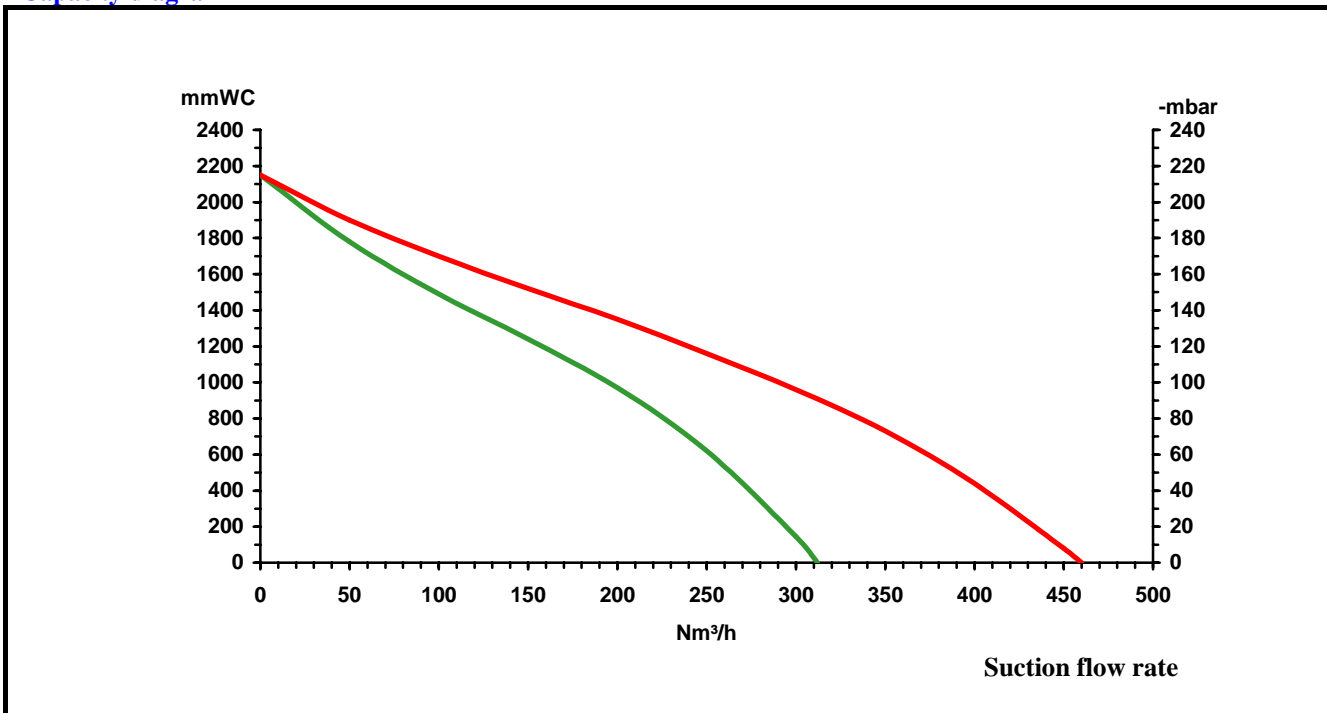
\*Measured at distance 3 m, height 1 m.

Code no. 02 01 011 has 2 motors and code nos. 02 02 032/02 02 042 have three motors.

A multistage switch prevents the electric circuit from overloading.

All is radio-interference suppressed. Code no. 02 02 042 is equipped with cooling air filter and thermo-switch.

## Capacity diagram



THE **norclean** PERFORMANCE – PRODUCT/SERVICE/EXPERIENCE – MEANS REAL VALUE

### **norclean** Products:

We design and build the best quality and most innovative industrial vacuum systems available. We provide an extensive range of models with

interchangeable components. Depend on **norclean** to custom design a system to meet your particular need or application.

### **norclean** Service:

Our fully trained distributors and field service engineers can provide the prompt, professional service that you must have to solve your industrial cleaning problems. They are supported by a readily available stock of replacement parts.

### **norclean** Experience:

By careful research our customers' unique material handling needs, we have been able to produce industrial vacuum systems, which meet those needs efficiently and reliably. For more than 30 years, our products have been proven winners in diverse industries throughout the world.

We reserve the right to alter and redesign the product.

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### **WARNING!**

If this unit shall be used for collection of hazardous, explosive or high flammable material, or in areas where such is present, get in touch with the manufacturer for technical advice !