Quality and safety "made in Germany"

Top class stationary dust extractors

VACOMAT N 1800

Component system with impressive extraction power and a range of disposal variants

Schuko

Extraction, surface and filter technology

Quiet operation is guaranteed by **noise-insulated fans** in a range of different power classes 2 x 5.5; 2 x 7.5; 11 or 15 kW

Persuasive arguments at a glance:

The powerful Vacomat N-1800 closes the gap between mobile dust extractors and industrial filter systems. The system is ideal for small and medium-sized companies with a maximum volume flow rate of up to 10,000 m³/h, as well as large companies as a supplement to an existing central extraction system.

- ✓ **High quality -** designed and built in accordance with DIN EN 16770.
- ✓ **Tested filter material*** With a residual dust content in the return air of <0.1 mg/m³, the system guarantees optimum extraction of dust and chips, as well as compliance with limit values.
- ✓ **Compact space-saving design,** with just a small area required for installation.
- ✓ **A high degree of safety** thanks to a pressure shock resistant enclosure up to 200 mbar and automatic extinguishing device.
- ✓ **Energy-saving recirculation mode**
- ✓ **Modular principle** The components can be selected on an individual and performance-related basis. (Otherwise only possible through costly custom construction)
- ✓ Determination of the ideal installation site and equipment in accordance with the relevant safety regulations.
- ✓ Adaptation of the fan power to the required extraction demand by means of a double fan concept or speed control.
- ✓ Demand-dependent attachment of the suction nozzle.
- ✓ Individual chip disposal through various discharge systems
- ✓ **Volume flow rate monitoring** constantly checks the available extraction capacity
- ✓ **Future-proof** thanks to convertible system design (the filter area can be modified from 65 m² to 81 m²).
- ✓ **Faster assembly time** Threaded screws can be fastened entirely without nuts.

* with test certificate in accordance with dust class "M"

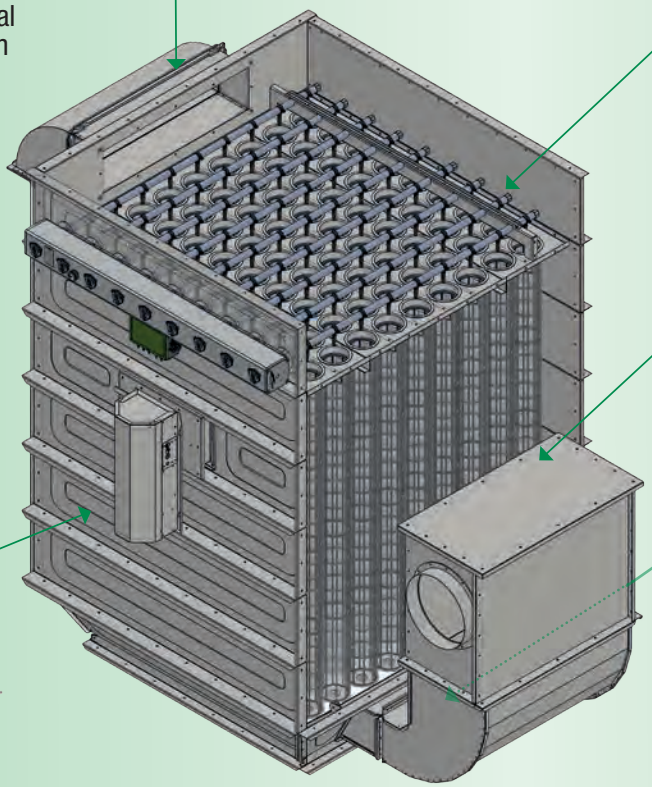
Schuko VACOMAT N 1800

The **Schuko modular principle** is based on a modular design and is assembled according to the customer's specific demands.

Two variants and five different disposal base units are available, depending on requirements.

The base units can also be mounted rotated through 90°.

Equipped as standard with **compressed air regeneration** and low-maintenance **Venturi nozzles** for particularly effective filter cleaning.



High-quality and regularly tested **filter material*** of dust class "M" is used exclusively.

Largest possible filter areas in the smallest possible space for indoor installation:

- **65 m² of filter area** (81 filter bags each 1.6 m in length)
- **81 m² of filter area** (81 filter bags each 2.0 m in length)

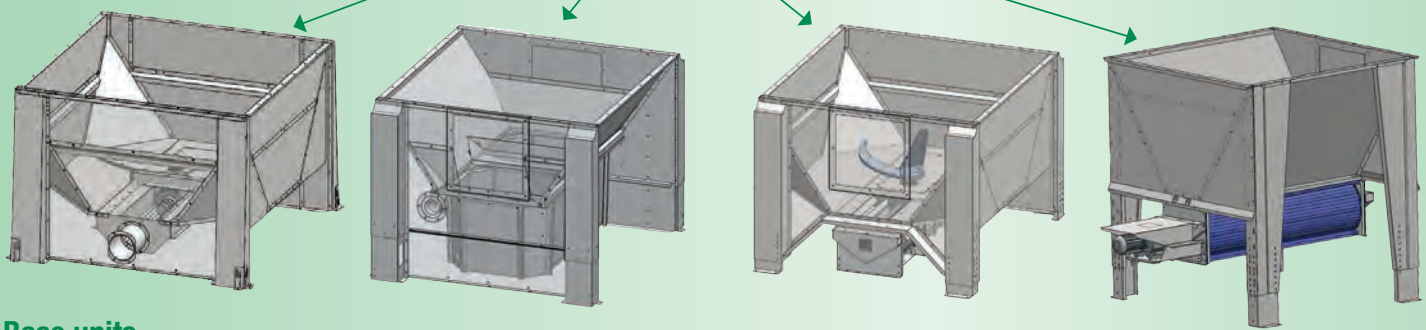
The **blower box** protects the filter bags by pre-separating dust and chip material, while also ensuring quieter material input.

A **non-return valve** serves to separate the raw gas chamber and the intake pipe

Patented automatic extinguishing device for shutting down the system in the event of a fire (using a commercially available powder extinguisher) prevents property damage and its consequences, e.g. operational downtimes and possible environmental pollution.

The **inspection flap** can be installed on different sides of the dust extractor.

Disposal variants



Base units

Chip container with agitator and discharge screw for the connection of a:

Briquetting press 1.1 kW
1,650 x 1,580 x height 1,000 mm
Item no. 635 550

Screw conveyor, 0.37 kW
1,650 x 1,580 x height 1,000 mm
Item no. 635 510

Chip container with 2 chip collection bins
(8-cornered) size 5
Bin height 795 mm
Height 1,400 mm
Item no. 635 355

Option
Bin height 570 mm
Height 1,200 mm

Chip container for screw discharge with motor. Drive and agitator
Item no. 635 650
prepared for an

ATEX rotary valve
type ZRS 10, 430 x 260 mm
without motor Item no. 635 955

Chip container / trough for large rotary valve
Item no. 635 340
prepared for an

ATEX rotary valve
type ZRS 10, 1,400 x 260 mm
with motor Item no.: 710 820

Schuko VACOMAT N 1800

Specifications

Filter assembly unit

Vacomat type	Item no.	Filter area m^2	Details	Dimensions L x W x H mm	Weight kg
N-1800 16/65	633 160	65	including pressure surge cleaning, control, filter pressure box and control lamp	1,970 x 1,970 x 2,490	860
N-1800 20/81	633 170	81	including pressure surge cleaning with control, filter pressure box and control lamp	1,970 x 1,970 x 2,890	940

Clean air extraction fans

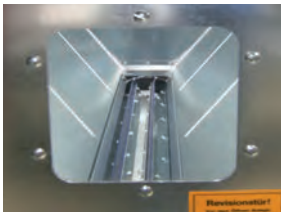
For different performance ranges (volume flow rate and pressure)

Fans	Item no.	Power consumption kW	L x W x H mm	Nominal volume flow rate m^3/h	Associated negative pressure Pa	Max. volume flow rate m^3/h	Associated negative pressure Pa	Sound pressure level dB(A)	Weight kg
VacoVent 2 x 5.5 kW	826 500	11	1,260 x 1,300 x 2,500	7,952	3,543	9,000	3,120	74.5	505 *
VacoVent 2 x 7.5 kW	826 550	15	1,260 x 1,300 x 2,500	7,952	3,780	10,000	3,100	74.5	524 *
Fan S 400/G/S6R	874 601	11	1,605 x 1,535 x 1,960	7,952	3,770	10,000	3,150	74.5	210
Fan S 400 G/S6R	874 611	15	1,605 x 1,535 x 1,960	7,952	4,050	10,000	3,840	74.5	230

* including non-return flap

Disposal variants

Base units	Item no.	L x W x H mm	Total height for attachment N-1800 16/65 including base unit mm	Total height for attachment N-1800 20/81 including base unit mm
Chip container with agitator and discharge screw with 1.1 kW for the connection of a briquetting press	635 550	1,650 x 1,580 x 1,000	3,490	3,890
Chip container with discharge screw with 0.37 kW for the connection of a screw conveyor	635 510	1,650 x 1,580 x 1,000	3,490	3,890
Chip container with 2 chip collection bins (8-cornered)	635 355	1,600 x 1,750 x 1,400	3,890	4,290
Chip container with discharge screw motor. Drive and agitator with 0.37 kW prepared for (ATEX rotary valve ZRS 10 430)	635 650 (635 955)	1,780 x 1,525 x 1,300 (430 x 260)	3,790	4,190
Chip container / trough prepared for (large ATEX rotary valve ZRS 10 1400)	635 340 (710 820)	1,650 x 1,580 x 1,400 (1,400 x 260 x 380)	3,890	4,290



Planning and realisation from a single source

Schuko is your specialist when it comes to extraction and filter technology.
From consultancy, planning, manufacturing, delivery and assembly, to commissioning, maintenance and operator training - everything is in our hands.
That is what we consider service.

A further strength is over 200 specialists based at seven locations.
The team at our owner-managed company has been producing extraction systems and filter technology for over 50 years - primarily for use in wood, paper and plastics processing. Our clients range from craftsmen and medium-sized companies to large-scale industry.

As a member of the VDMA (German Mechanical Engineering Industry Association), Schuko places great importance on system safety in accordance with the state of the art and the applicable standards. Many products have been tested and approved by the DGUV Test organisation (notified body no. 0697) of the BGHM (German association for the wood and metal profession). These products bear the GS mark and the H3 test seal (residual dust content 0.1 mg/m^3)

The Schuko brand is a mark of quality and performance.
Take us at our word and see for yourself.

At home in Germany - on the road in Europe

Schuko

Extraction, surface and filter technology

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