

Energy-saving dust extraction.

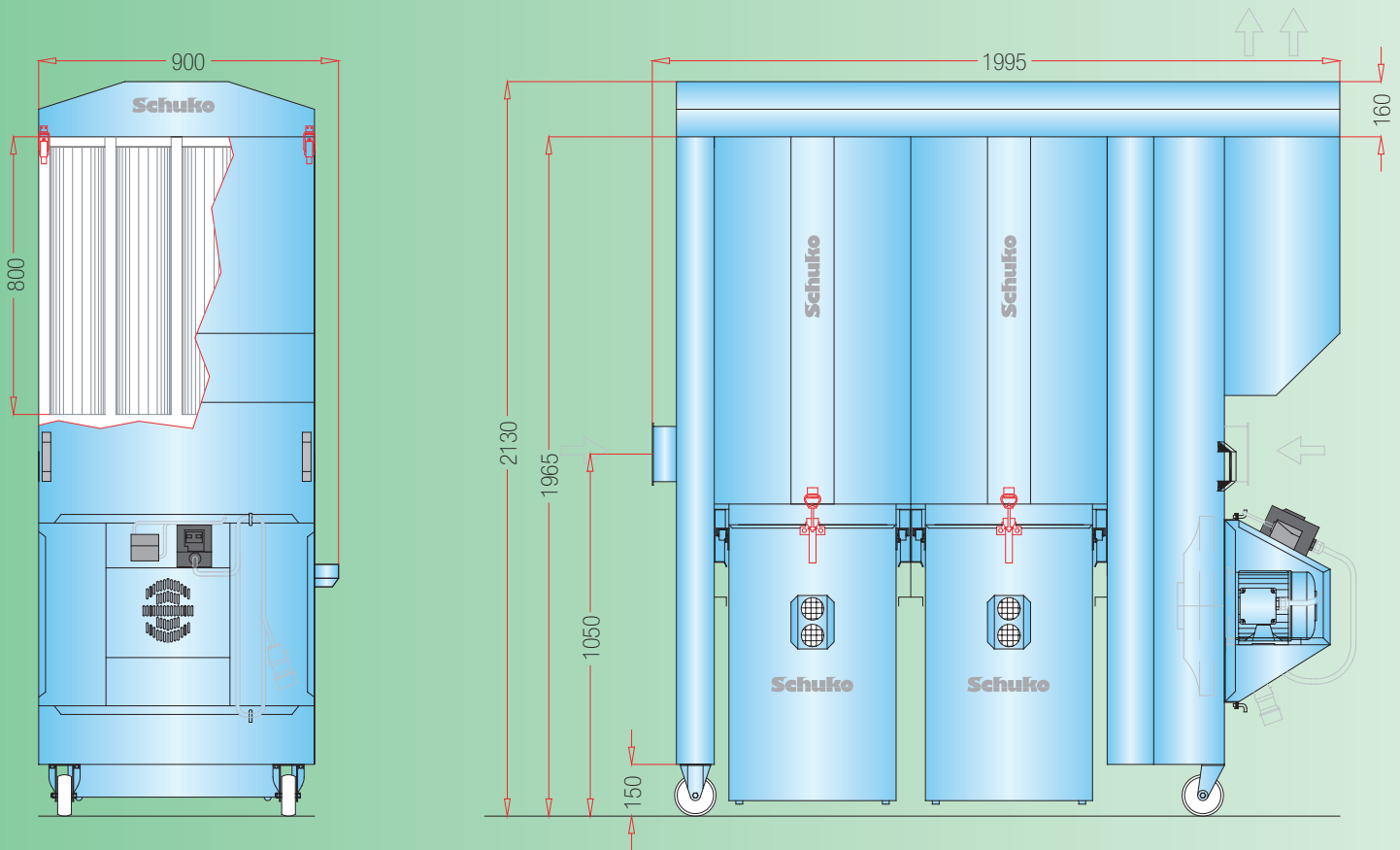
Vacomat 180 XP and Vacomat 180 XPe



Schuko

Suction, surface and filter technology

VACOMAT 180 XP
VACOMAT 180 XPe



Vacomat 180 XP and Vacomat 180 XPe

Vacomat 180 XP and 180 XPe specifications

Vacomat	Item no.	Drive motor 400 V, 50 Hz, 3 phase - [kW]	Intake Ø [mm]	Volume flow [m³/h]	Nominal volume flow [20m/s]	Vacuum [Pa]	Filter regeneration	Filter surface area [m²]	Dimensions L x W x H [mm]	Weight [kg]	Sound pressure level [dB(A)]
180 XP	621 910	3.0	180	2,610	1,832	2,500	pneumatic; air required: ca. 3.5 l at 10 bar	13.5	1,995 x 900 x 2,130	335	74
180 XPe	621 950	3.0	180	2,610	1,832	2,500	motor- controlled	13.5	1,995 x 900 x 2,130	340	74

The suction systems of the VACOMAT series from Schuko were developed for mobile use within the plant. These two Vacomats are ideal for use with panel dividing machines and individual workplace machines.

The VACOMAT 180XP and 180XPe mobile suction units feature exceptionally high suction power. The production residue is collected by both units in two dust-tight containers lined with plastic sacks (770 mm diameter, size V).

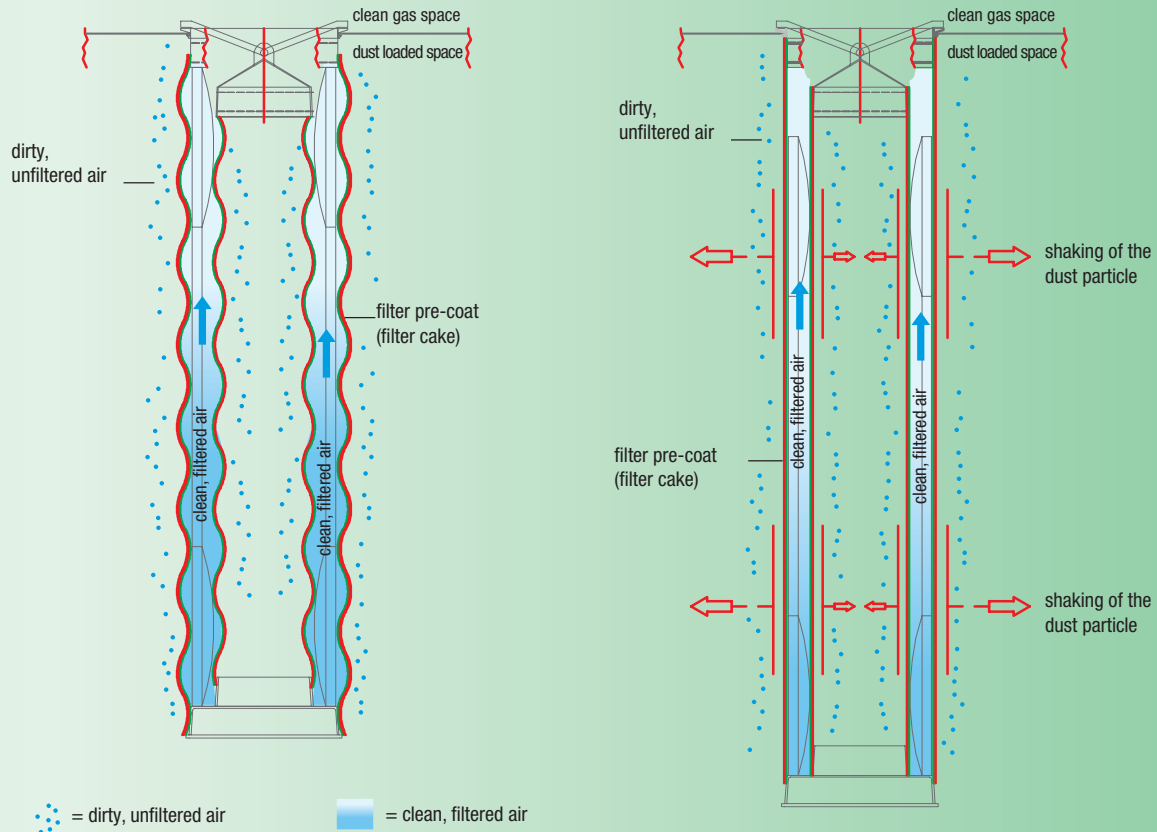
The Vacomat 180 XP and 180 XPe differ only in the type of filter regeneration used.

The filter dedusting (regeneration) of the Vacomat 180XP is controlled pneumatically/mechanically. The regeneration mechanism requires connection to a compressed air supply. Supply pressure ca. 10 bar, operating pressure 4 bar, air required for each regeneration cycle 3.5 l. Optional add-ons from the Schukomat series and two freely programmable slide valve controllers can be used to adapt the Vacomat XP for your individual application.

The filter dedusting (regeneration) of the Vacomat 180XPe is controlled electrically/mechanically by means of an efficient shaker motor.

The controller required for the 180XPe suction unit via scanning of two potential-free contacts with automatic, motor-controlled filter shaking and filter dirt indicator is included in the scope of delivery of the unit.

Cross section of the Schuko Cone® filter hose



Unbeatable suction power in a compact design

Shaking of the filter prolongs the service life of the filter material.

Also, gentle cleaning of the filter hoses preserves the necessary filter pre-coat. The filter pre-coat aids filtration of the extracted air and reduces the residual dust content in the filtered air.

A large filter surface area is guaranteed by the patented filter hose. Compared with conventional filter hoses, the Schuko Cone® features a 60% larger filter surface area, since this filter hose has a double-walled filter layer. The filter material is made of antistatic polyester needle felt and is BGIA tested*.

*BGIA - Institute for Occupational Safety and Health (IFA)

Where wood is chopped, splinters must fall.



TOP features

The features of these units leave nothing to desire: From checking the fill level through the inspection window, to the polyester needle felt filter hoses (BGIA-tested) and the pressure monitoring of the volume flow.

The Vacomat 180XP and 180XPe are equipped with a high-efficiency IE2 motor and are certified in accordance with EN 60034-30:2009. For fast and easy operation, both units are delivered ready-to-connect, with a 6-metre cable and a 16-ampere plug, as well as an integrated phase inverter. A set of replacement chip collection sacks is also included.

Reliable

The maintenance unit on the motor console filters the compressed air and guarantees trouble-free suction.

Certified

The VACOMAT 180XP and 180XPe have been tested by the Technical Committee for Wood of the Trade Association and bears the test mark H3 (residual dust content < 0.1 mg/m³ of air) and the GS symbol “Tested for Safety”.

In addition to the unbeatable suction power of the VACOMATs 180XP and 180XPe, the following arguments will also convince you:

The VACOMATs 180XP and 180XPe already comply with the most recent standards for energy saving.

Responsible use of electrical energy to save resources, reduce CO₂ emissions and minimize energy costs is the order of the day.

Instead of a current draw of 6.03 amperes, the motor has a current draw of only 5.68 amperes.

This means energy savings of 5.8% as compared to conventional suction units.

Quality – professional competence and safety

With 160 employees in six plants, the owner-operated company Schuko has manufactured extraction and filter systems for use in the wood, paper and plastics processing industries for more than 40 years. The customer base covers everyone from the craftsman to mid-sized companies and large corporations.

As a member company of the VDMA German Engineering Association, one of our top priorities is safety based on the state of the art and the applicable standards. Many of our products have been tested and approved by the responsible trade associations (Wood Trade Association). These products bear the GS symbol and the „dust-tested“ seal of approval. The Schuko brand name is a sign of performance and quality.



Customer orientation – Everything from one source

Advice, planning, production, deliveries, installation, commissioning, maintenance, operator training and a comprehensive after-sales service network – for fast, qualified service. That's what we mean when we say service.



We are for new ideas !



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