

Ventilator technology

Powerful, durable and economical



Schuko

Dust extraction and filter technology

Schuko quality that pays off!

The fan as the centre of performance of an extraction system determines the effectiveness and the operating costs of the extraction unit. Its efficiency, quality and dependability prevents production downtimes and avoids unnecessary and cost-intensive maintenance time.

Schuko fans impress with their reliability, robustness, long durability and with an absolute constant quality level. Behind all this, there are more than 50 years of Schuko experience.

Highly precise and robust

Schuko fans are manufactured on the basis of the industrial standard and fulfil highest quality demands. For this purpose, their individual components, as for example the impeller wheel and its blades are laser-cut and welded together by robots. This high-precision production ensures minimum tolerances and, together with electronically controlled static and dynamic balancing, guarantees an extra smooth running time which is typical for Schuko fans. All this leads to a long operating life.

Efficiency on demand

The fans can be actuated by frequency inverters, i. e. the respective air quantity [m³/h] and pressure [Pa] that is required for any operating condition will be available. The performance adjustment forms the basis for low power consumption [kW].

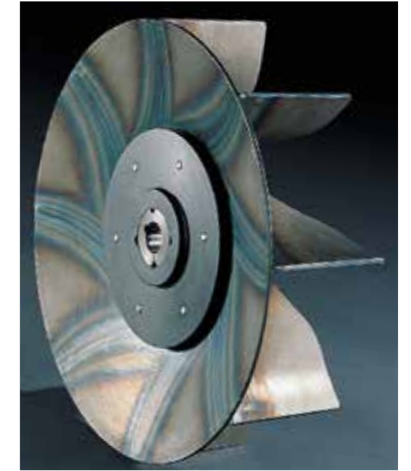


Schuko fans are designed for single-, two- or multi-stage (infinitely variable) speed ranges. The fan housing is made of steel and welded up to form a pressure-tight structure. Suction and pressure ports belong to the scope of supply. Thus, round pipelines can be connected directly with the aid of clamps or flanges.

Schuko fans secure the quality level of your products and ensure clean workplaces in the woodworking, plastics and paper processing industries without adversely affecting health due to their effective extraction of dusts and chips. The temperature of the material to be conveyed can be up to 333 K (60 °C). By the selection of a corresponding impeller, the fan can also be installed at the clean-air side.

Safe and efficient power transmission, low-wear operation and problem-free maintenance are guaranteed by the impeller suspension consisting of a proven spring bush system that is used worldwide.

High-quality three-phase motors according to current IEC and VDE standards. Robust motor bearings meet the special requirements. The standard motors are designed for 230/400 or 400/690 V, respectively at a frequency of 50 Hz. The degree of protection for the motor and its terminal box is IP 54. For special voltages and potentially explosive areas, correspondingly suitable motors are used.



Schuko impellers are characterised by extremely high efficiency. The latter is based on exact calculations and power measurements made on our factory-owned test bench.



For the suspension of the impellers, quality components are exclusively used that are more than capable of withstanding the loads involved in fan construction. This results in the particular wear resistance and very long operating lives of Schuko fans.



Schuko fans are well sound insulated, run with little vibration and reduced oscillation owing to their mounting feet designed by Schuko for this particular purpose.

Optimum planning and set-up of extraction systems

Only with the correct components you can plan and set up an ideal extraction system. Schuko's component programme is a result of many years of experience. This experience in the construction of practical extraction and filtering systems that comply with legal regulations has proved its worth. It goes without saying that you can also ask our technical field service team for advice.



Tubes

Branches

Y-branches

Tube bends

Suction manifolds

Reducers

Flexible hoses

Pneumatic gate valves

Electric gate valves

Manual gate valves

Flange rings

Tube clamps

Do you need more information?

Please contact our technical field service team.

Yes! Please send us more information on Schuko extraction systems.

Company _____

Trade _____

Ms/Mr _____

Street/P. O. Box _____

ZIP/Place _____

Phone _____

Fax _____

- Please send us a Schuko technical advisor after fixing an appointment by telephone.

A Schuko representative will only visit you if you expressly wish so and have indicated it above.

We are further interested in the following:

- Chip extraction systems
- Fans
- Briquetting presses
- System components, e. g. tubes, deflection hoods
- Sanding dust extraction table with certification mark
- Paint spray mist extraction systems
- Fresh-air system for a spray booth
- Evaporation and drying chamber

We are planning:

- | | |
|---------------------------------------------|------------------------------------------|
| <input type="checkbox"/> a new installation | <input type="checkbox"/> windows |
| <input type="checkbox"/> a system extension | <input type="checkbox"/> furniture |
| <input type="checkbox"/> a modification | <input type="checkbox"/> interior finish |

We have specific questions on:



49196 Bad Laer · Gewerbepark 2
88348 Bad Saulgau · Mackstraße 18
97478 Knetzgau · Industriestraße 22
55481 Kirchberg/H. · Kappeler Str. 20 a
14959 Trebbin · Heinrich-Schulte-Südhoff-Str. 1
25451 Quickborn · Pascalstr. 22
62-561 Ślesin · POLAND · Kolonia Sarnowa · Biskupie Sarnowskie 9

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