

Schuko

The **TOP***- filter system for installation on top of chip storing rooms

*Technique without problems,

the filter system has been manufactured by Schuko for more than 30 years.

It distinguishes itself by its high efficiency, longevity and simple technique.



■ **Silo-top-filters series B05, B07** for installation in filter rooms and outside in accordance with the safety rules and the TRGS 553 of the HBG (German standards) for the extraction and separation of wood dust and wood chips. Further information is available in the leaflet ZH 1/728 "Silos for wood dust and chips" of the Holzberufsgenossenschaft (Employers' Liability Insurance).

Schuko

Dust extraction and filtering technology

Top quality for top results

Application

Silo-top-filters are installed on top of the chip storing room. There usually is a direct connection between the filter and the chip storing room. Silo top-filters are used whenever there is enough room above the dust and wood chips material. The transport pipe system leads directly into the chip storeroom. The conveying air flow expands into the room it is blown into (silo), the chips and dust particles settle and the air flow leaves the silo through the filter hoses into the free air.

Attention! In the case of a silo top filter with direct air injection, a certain pressure – depending on the bearing pressure on the filter area - within the silo is to be expected.

The rotary valve

is installed between filter and chip storeroom and reduces the pressure inside the silo. In those cases, Schuko filters type ECOVAR97 are to be installed.

Construction

The whole filter system is a self-supporting construction made of galvanised sheet steel. All materials have been chosen to guarantee a safe functioning as well as to keep maintenance at a minimum. The filter hoses are completely cylindrical. They are fixed to a vibrating frame by their round plate top. The lower connection to the floor plate is made by a long, tight-closing, wear-resistant special connecting piece. Those connecting pieces have been manufactured to largely repel wood pieces or splinters that the air may carry. This guarantees for the best possible protection of the filter cloth.

Filter cloth

Schuko offers filter cloth of various types. The most appropriate filter cloth is chosen for each individual case. Schuko can also deliver anti-static filter cloth.

Rest dust concentration

Rest dust concentrations, as required by the Holzberufsgenossenschaft (Employers' Liability Insurance) and the Gewerbeaufsichtsamt (Factory and Shop Inspectorate) are observed. The different filter materials are of course certified. The categories are "G" or "C".

