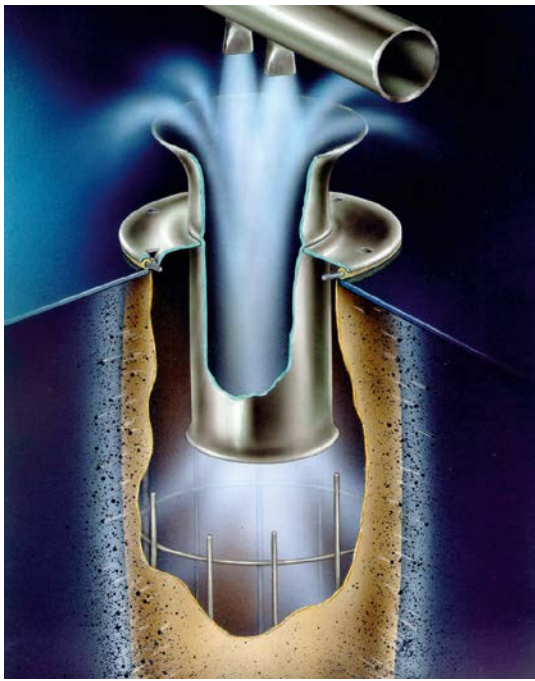


echeuch
LIGNO

LIGNO ETA-MAX PULSE FILTER

UNIVERSAL AND ENERGY SAVING



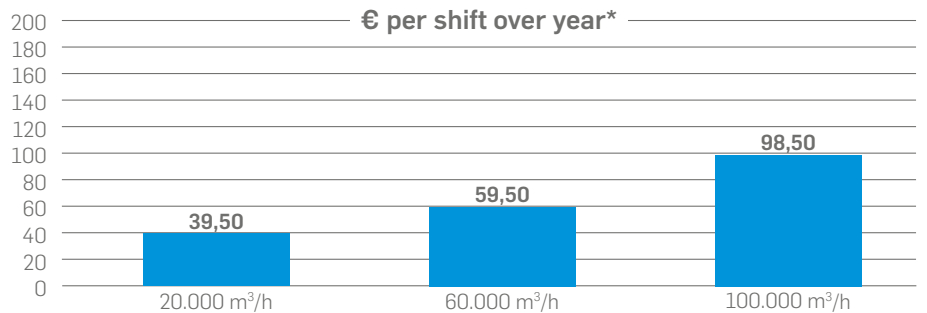
PULSE CLEANING

EFFICIENT AND OPERATIONALLY SAFE

The PULSE cleaning system developed by Scheuch is particularly effective and saves energy. The specially shaped double nozzles ensure efficient and gentle cleaning owing to the high proportion of secondary air. Lower consumption of compressed air, longer cleaning cycles and higher bag service life is the result.

ENERGY REQUIREMENT – PATENTED FILTER CLEANING

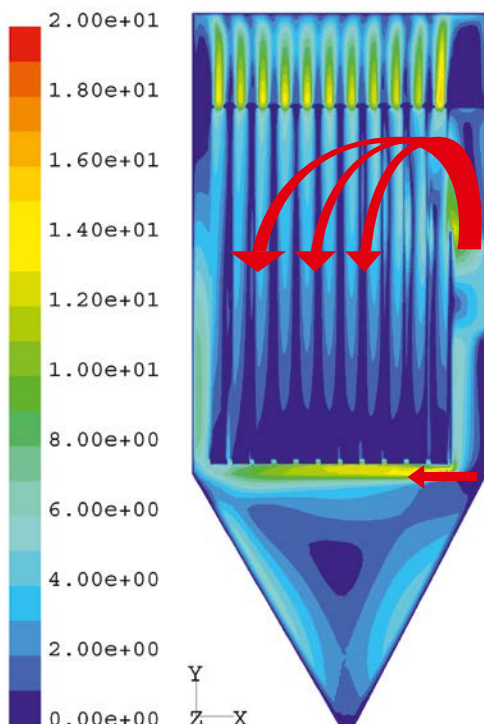
The Scheuch injector assures reliable cleaning and low energy costs.



* for 1920 h/year, 12 euro cents/KWh

LOW OPERATING COST

LONG SERVICE LIFE



In addition to efficient cleaning, the pressure loss in the filter system itself and the filter bag is especially crucial to the operating cost. With the development of the series, the filter casing has been flow-optimised using CFD simulations.

The Scheuch LIGNO-01 filter bag guarantees a very low filter resistance over a long lifetime as a result of the surface-oriented filtration behaviour of the dust penetration being so low and so maintaining the air permeability.

The baffle plates in the crude gas inlet ensure pre-separation of the volume primarily made up of chippings and dust residue and generate a cross-flow through the dust collection container. The swirling up of previously separated chippings and dust is thereby prevented. The TOP-DOWN effect supports the downward movement of the cleaned dust particles for discharge.



LIGNO PULSE FILTER

WITH ETA-MAX UNIT

- 1 Minimal flame size due to tested Scheuch relief flap
- 2 Efficient preseparation and optimum gas flow management via baffle plates.
- 3 Crude gas entry with tested Scheuch non-return flap
- 4 Monitoring of material discharge via level monitor
- 5 Optimised flow and nozzle geometry of the integrated fans
- 6 No deposits thanks to the smooth interior surfaces and large bag spacings
- 7 LIGNO-01 filter bag for residual dust content $< 0.1 \text{ mg/Nm}^3$
- 8 Bunker
- 9 Dosing screw for material discharge



UNIVERSAL USE

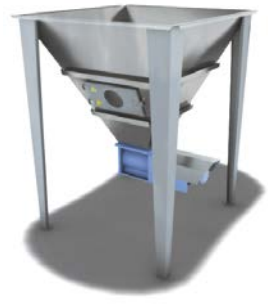
FOR ALL REQUIREMENTS



Bunker



Trough



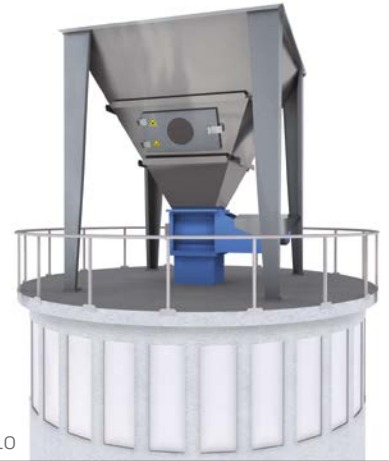
Hopper



Conveying system



High pressure conveying



Silo



Dust bin



Container



Briquetter



TICKS ALL THE BOXES

FOR INDUSTRY AND TRADE

Emanating from the high industrial standards set by LIGNO industrial filter plants, we are offering the LIGNO pulse filter for the performance range between 20,000 and 400,000 m³/h. Our skill sets in filtration and dedusting technology come into their own here, in particular in terms of energy saving as well as fire and explosion protection.

ENERGY SAVING

The Scheuch PULSE cleaning system must be considered both in terms of energy efficiency as well as operational safety. The minimal pressure loss of the plant and the outstanding efficiency of the integral fans (ETA-Max unit) contributes to additional energy savings. In order to minimise the operating costs of an extraction and dedusting system, the correct system design choice as well as the optimal sizing and planning of the pipework is decisive. Only the interaction of efficient individual components and an effective system design enables the best solution – both technically and economically.

TESTED FIRE AND EXPLOSION PROTECTION CONCEPT

Our certified safety concept guarantees availability and legal certainty for the operator. Additionally we are the only provider to offer explosion protection concepts for flames below five metres.

UNIVERSAL USE

The finely stepped series and flexible modular system satisfies all demands, in terms of construction size, height and shape, with a range of different discharge versions already incorporated into the standard range and hence good value without additional time invested.

LOW NOISE LEVELS

Various standardised sound damping measures are available depending on installation in industrial estates, in mixed construction areas or even for night operation in terms of sound damping.

APPLICATION

The LIGNO pulse filter range has been specially developed for the wood industry and the wood processing trade. It is also suitable for the separation of similar dusts such as that of paper, rubber, recycling or plastic materials.

scheuch

LIGNO

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TECHNOLOGY
FOR CLEAN AIR



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