

The spot filter is designed for installation directly on the machine for immediate suction and filtration of dust.

One of the sides of the square filter housing serves as a door. The dust-laden air is sucked into the filter at the opposite side, which is open.

The large suction area cross-section keeps the air velocity low.

The execution with an even gable is for horizontal mounting with the suction hole downwards, for instance on chain conveyors, belt conveyors, silos, or small intake pits.

The execution with a bevel gable is for vertical mounting, as this construction allows a reverse flow of the filter dust.

The dust is separated at the outside of the filter bags, while the cleaned air is led into the clean-air chamber.

The fan produces the differential pressure needed and blows out the cleaned air through a nozzle.

As optional equipment a throttle valve may be supplied for mounting on the discharge nozzle, thus adjusting the amount of air to the requirement and the variations in the pressure drop.

Against additional payment the fan can be supplied with a sound absorber for the exhaust air, if required.

The filter bags are cleaned by means of an electronic control system with adjustable pause time. The electronic control gives an impulse to one of the membrane valves at the compressed-air receiver. The valve will send a short, but powerful compressed-air blast into the filter bag, partly „beating“ and partly blowing off the dust and leading it back into the related machine or silo.

Thus some pulsations may occur during operation, depending on the pre-set pressure and volume of the machine.

The jet-pulse pipes are bolted onto the clean-air section of the filter and can be turned 180°, thus having two possible positionings on the compressed-air receiver.

The compressed air is supplied from a normal compressed-air system, with the condition, however, that the air contains no water or oil.

The pressure is reduced through the reduction valve to be placed before the compressed-air receiver of the filter.