

control unit



Application

WE-5,5/D dust separator is designed for wood dust extraction from wood processing machines as well as for removal the impurities arising during grinding the non-sparking materials, cast iron processing, powder painting, packing/repacking the powdery materials etc.

The dust separator cannot be applied in rooms and areas of explosion risk and for removal the substances that create explosive mixture with the air. Neither it is not appropriate for conveying the aggressive impurities and humid dusts, as they can glue up the filter surface.

Structure

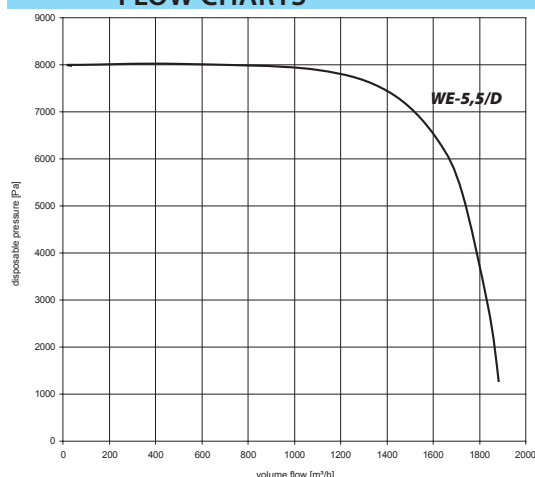
The dust separator consists of a cylindrical housing made of four segments, connected together with girdle clamps. In the upper part of the housing is located a fan. Under the fan there is a fabric filtering bag, where is supplied the polluted air. The separated impurities are falling to the lower waste collecting bag. The lightweight dust fractions are depositing on the inner surface of the filtering bag, where they are periodically shaken into the paper bag by the vibration mechanism. The suction connection of the separator ought to be connected via polyurethane hoses with the processing machine where the dust is being removed. The device is controlled by the electrical unit that operates the fan. The operation of the vibrator motor proceeds automatically from the moment of the fan start. The device is equipped with a fill-up state sensor of the waste bag. While the waste bag is pulled out it displaces on a trolley that is inside the device.

TECHNICAL DATA

Type	Part №	Supply voltage [V]	Motor rate [kW]	Ingress protection [IP]	Maximum volume flow [m³/h]	Maximum underpressure [Pa]	Weight [kg]	Diameter of the inlet [mm]	Diameter of the outlet [mm]	Noise level [dB(A)] from distance		Filtering efficiency [%]
										1 m	5 m	
WE-5,5/D	800096	3 × 400	5,5	55	1890	8000	~212	125	125	88,7 (75,5)*	84,7 (68,7)*	98

* The noise level measurement was taken at attached silencer at the outlet.

FLOW CHARTS



FILTERING BAG

	Type	Part №
	WF-WE	476W30

WASTE BAG

	Type	Part №
	WZ-WE	476W31