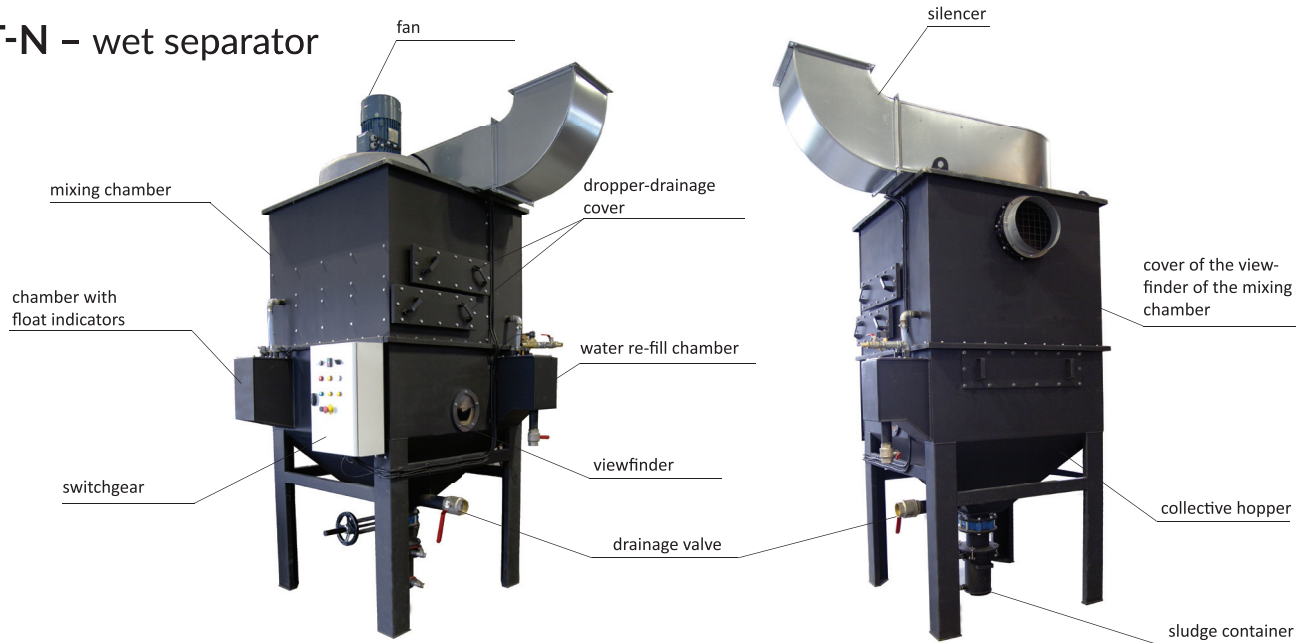


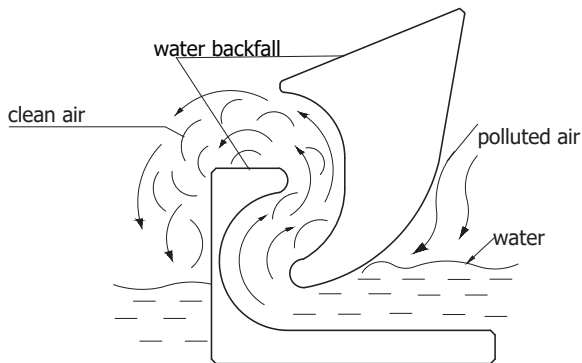
WET-N – wet separator



Application

WET-N – wet dust separators are efficient in cleaning the dust-laden air from the impurities arising during the manufacturing processes. They are irreplaceable in removal of dust particles of dry, humid, viscous nature. Additionally, they are efficient in capturing the dust with high amount of sparks arising during various manufacturing processes such as grinding and other processes in chemical-, pharmaceutical industry and food production.

Function



The polluted air flows through a set of immersed in the water guiding plates (backfall) and here the air gets mixed with the water, creating an aerated foamy dust-water mixture with bubbles. Particles that are captured in the separator, create sludge with the water. The sludge sediments in the hopper (collecting the waste) and it is dropping into the waste container.

Having passed the backfall, the cleaned air is additionally separated from the leftover water particles in the dropper-drainage.

Water level is monitored by means of minimum- and maximum level float indicators.

Structure

The system consists of subsequent assemblies:

- mixing chamber – includes a guiding plate, creating a whirl of the dust-water mixture,
- hopper – collecting the waste from the filtration,
- pneumatic shear damper with the container for sludge,
- drainage valve,
- a fan located above the mixing chamber,
- float indicators – a system controlling the water level and its refilling,
- switchgear,
- viewfinder covers of the dropper-drainage,
- technological doors.

Operational use

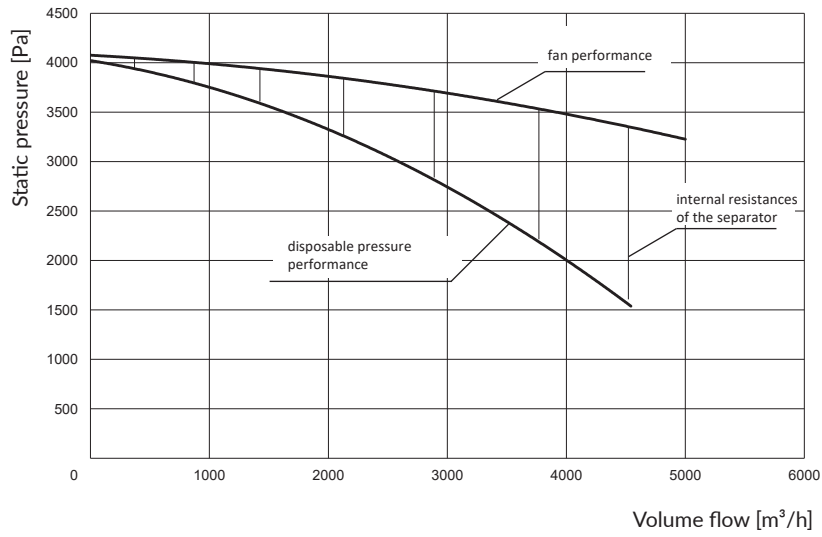
WET-N separator should be connected to the water supply system to provide the appropriate water level in the device.

The appliance is equipped with a double system of sludge removal. For everyday sludge discharge is used a sludge container, supplied from the external water supply system. The water washes out the accumulated impurities. Subsequently, the waste is transported to a barrel located near the WET-N system.

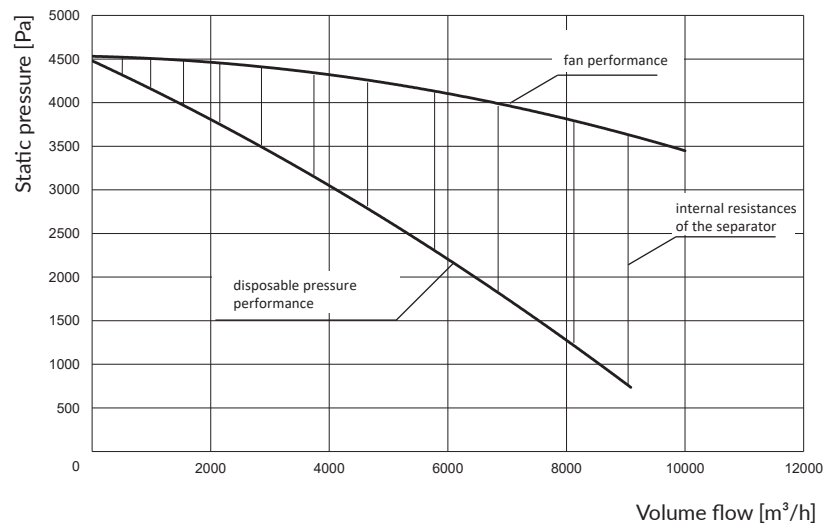
After all the sludge is removed, the water in the mixing chamber is refilled automatically.

Flow charts

WET-4000-N



WET-6000-N

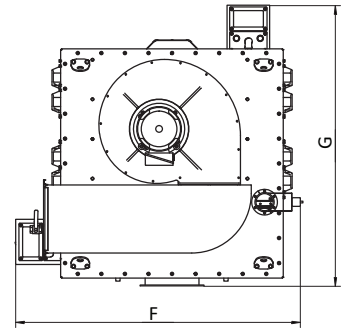
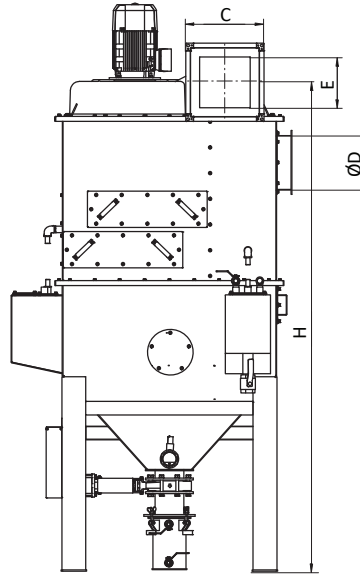
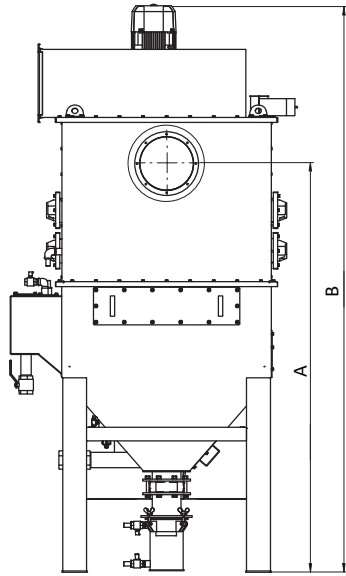


Technical Data

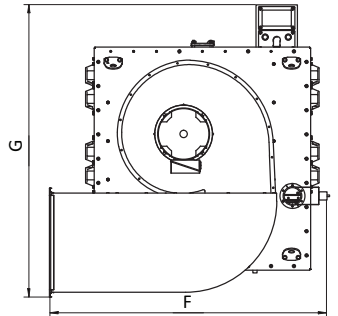
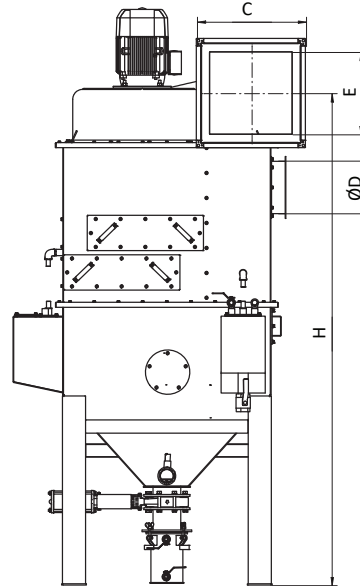
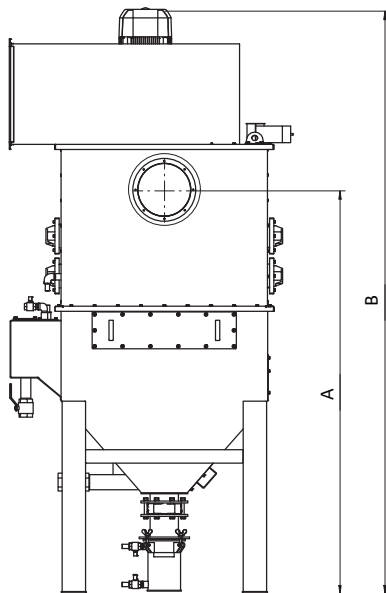
Type	Part No.	Maximum volume flow [m³/h]	Maximum vacuum [Pa]	Supply voltage [V]	Motor rate [kW]	Acoustic pressure level [dB(A)] measured from distance 1m:	Capacity of the water chamber [m³]	Weight [kg]
WET-4000-N	800014	7000	4000	3x400	5,5	72	0,65	937
WET-6000-N	800013	9000	4500	3x400	11	76	0,65	1037

WET-N

WET-4000-N



WET-6000-N



Dimensions

Name	A [mm]	B [mm]	C [mm]	ØD [mm]	E [mm]	F [mm]	G [mm]	H [mm]
WET-4000-N	2403	3324	460	315	300	1673	1649	2887
WET-6000-N	2403	3474	660	315	500	1673	1767	2974