

SEP-4-M – inertial separator



Purpose

SEP-4-M separators have been developed for use as pre-filters, to capture the dry and coarse dust arising in various technological processes. Additionally, separators are appropriate for other purposes:

- spark neutralisation during some processes, e.g. welding and metal grinding,
- capturing various sorts of harmful waste materials, e.g. non-extinguished particles, glowing cigarettebutts, that would enter the discharge ductwork, and subsequently into the final filter.

Due to their above mentioned features, separators can protect the final filter from excessive dustiness overload and from the possible fire risk.

SEP-4-M separators can work with any chosen final filters of approximately similar volume flow, especially with the UFO-4-M/N filtering unit – dimensionally adapted.

Separators are not equipped with a fan. The air flow is created by the fan of the final filtering unit.

Structure

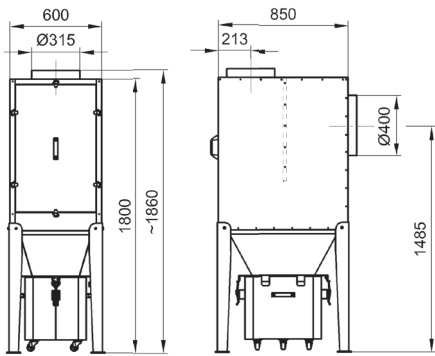
Separators are constructed of a rectangular housing with a partition inside, dividing the separator in an inflow chamber for the dust laden air and the outlet chamber for the cleaned air. The inflow fitting piece is placed in the upper cover, whereas the outlet connections are in the side wall. The installation height of the outlet ferrules matches the suitable ferrules in the UFO-4-M/N filtering unit.

Dust separation proceeds in an inertial way. The extracted particles accumulate in a waste container that has to be emptied periodically.

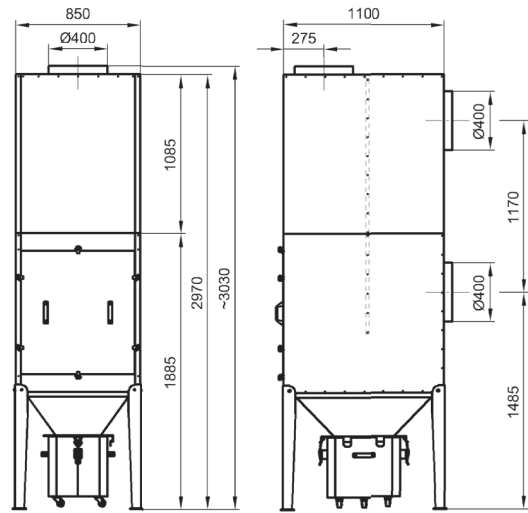
Technical data

Type	Part no.	Recommended volume flow [m ³ /h]	Flow resistances [Pa]	Weight [kg]	Capacity of the waste container [dm ³]
SEP-4-M-1	800S10	5000	200	110	72
SEP-4-M-2	800S11	10 000	200	145	72
SEP-4-M-3	800S12	15 000	200	328	72

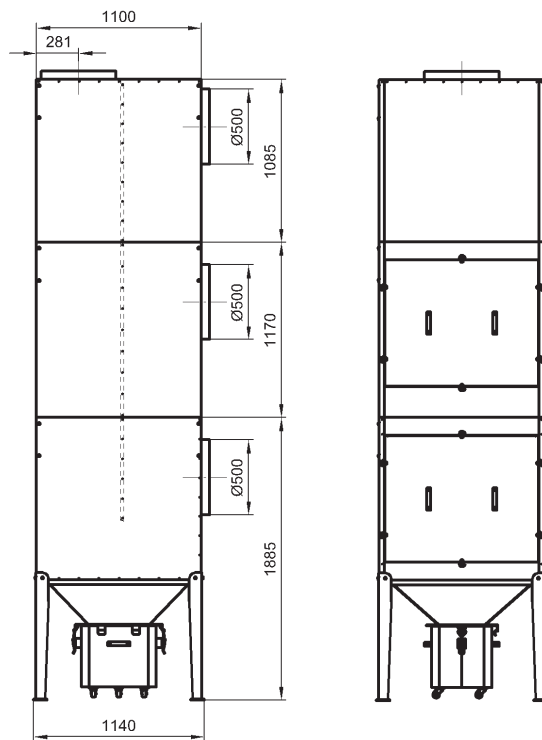
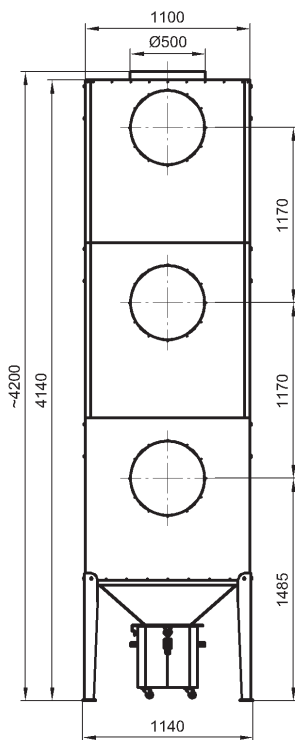
SEP-4-M



SEP-4-M-1



SEP-4-M-2



SEP-4-M-3