

MVD Mini-Silo Baghouse Dust Collector

Technical catalogue: Dust Extraction
Section: Filters

The MVD Mini-Silo Baghouse Dust Collector consists of two main sections:

A: Upper Section (Filtration) consisting of a filtering battery faired with galvanized modular panels containing various polyester filtering sleeves (standard version) fixed to a supporting frame by snap rings; the frame divides the dirty area from the clean area and it is equipped with a mechanical shaking cleaning system.

The structure has a flanged mouth for connection of negative-pressure pipe to the fan and a flanged mouth for the entrance of dusty air. The mini-silo is designed specially to be used in negative pressure but it can be used in positive pressure as well.

It is equipped with anti-explosion panels on one side of the filtering area and a door entering to the filter unit hinged on another side of the filtration area provided with walkway and following security standards.

Mini-silo is also provided on top internally with cooling-down water ring to be connected to the fire-fighter hose or to an alternative extinguishing system. The supply may include (optional) an external setting chamber, with venting panel to slow down the waste, in order to avoid the damage of the filtering sleeves.

B: Lower Section (Storage) consisting of thick galvanized modular panels assembled through galvanized bolts, adjustable support legs made of thick press-bended galvanized steel sheet and flat bottom to support the leaf-springs extractor.

It includes the motorised extraction mechanism, equipped with 2 rotating extraction sheet blades, with 3 possible simultaneous outlets. An inspection door is realised for the extractor maintenance and Lexan doors allow visual inspection of material into the silo, together with a maximum filling level gauge.

As an option it is possible to discharge the stored waste into a plastic bag (or big bag) and/or through rotary valve and /or directly into a briquetting machine placed underneath the mini-silo.

The exhausting unit includes a primary branded electrofan having S1 Class – IP55 motor and high efficiency level. Therefore, it is guaranteed to work 24h/24 and to resist to jets of water.



*MVD-4 Mini-Silo Dust Collector
featuring Explosion Vents and Silo Viewing Windows*

Model	Airflow [m ³ /h]	Pressure [mm H ₂ O]	Fan Power [kW]	Storage Volume [m ³]	Filtering Surface [m ²]	Nr. Filtering Sleeves	Filtering Sleeves diameter [mm]	Filtering Sleeves length [mm]	Base Sides [B] [mm]	Height [A] [mm]	Air outlet [mm]
MVD 1	6,200	280	15	6	71	64	200	1,250	2530	4,905	480 x 600
MVD 2	15,000	350	22	6	110	64	200	1,940	2530	5,390	480 x 600
MVD 3	20,000	340	30	6	156	64	200	2,750	2530	6,360	480 x 600
MVD 4	6,200	280	15	9	71	64	200	1,250	2530	5,390	480 x 600
MVD 5	15,000	350	22	9	110	64	200	1,940	2530	5,875	480 x 600
MVD 6	20,000	340	30	9	156	64	200	2,750	2530	6,845	480 x 600
MVD 7	6,200	280	15	12	71	64	200	1,250	2530	5,875	480 x 600
MVD 8	15,000	350	22	12	110	64	200	1,940	2530	6,360	480 x 600
MVD 9	20,000	340	30	12	156	64	200	2,750	2530	7,330	480 x 600

