

JET FC

FILTERING UNIT FOR FINE DUST AND FUMES

CARTRIDGE DUST COLLECTOR WITH PNEUMATIC CLEANING SYSTEM
THE BEST AVAILABLE FILTERING MEDIA AND SECURITY TECHNOLOGIES

MODEL	Filtering Cartridges	Filtering Surface	Metal BINS	MAX AIRFLOW **	Dimensions (only FC model) - mm	
	n. x Ø 325	m ²	n.	m ³ /h	l x p	altezza
JET - 14	1	14	1	500	800 x 800	3.100
JET - 28	2	28	1	900	1.000 x 1.200	3.100
JET - 48	4	48	1	1.700	960 x 960	2.800
JET - 58		58	1	2.100		3.000
JET - 73	6	73	1	2.600	1.400 x 960	3.100
JET - 87		87	1	3.100		3.300
JET - 109	9	109	1	3.900	1.400 x 1.400	3.100
JET - 131		131	1	4.700		3.300
JET - 145	12	145	1	5.200	1.900 x 1.400	3.100
JET - 175		175	1	6.300		3.300
JET - 194	16	194	1	7.000	1.900 x 1.900	3.300
JET - 233		233	1	8.300		3.500
JET - 242	20	242	1	8.700	2.300 x 1.900	3.300
JET - 291		291	1	10.500		3.500
JET - 350	24	350	2	12.600	2.700 x 1.900	3.500
JET - 387	32	387	2	14.000	3.600 x 1.900	3.200
JET - 466		466	2	16.800		3.400
JET - 580	48	580	3	21.000	5.300 x 1.900	3.200
JET - 699		699	3	25.000		3.400



JET FC is the best solution for very fine dust and fumes



High filtration efficiency up to 99,95% for powders with a granulometry in the range from 0,2 to 2 microns



**THE VALUES "MAX AIRFLOW" REFER TO A CROSSING SPEED SLEEVES EQUAL TO 0.01 M/SEC.
LOWER CROSSING SPEED PROVIDE BETTER FILTRATION AND GREATER PURITY OF THE EXHAUST AIR.
CHECK THE REGULATIONS OF YOUR COUNTRY FOR THE PROPER CHOICE OF THE FILTERING UNIT.

JET FC

OVERVIEW

The new JET FC dust collector version is a ready-to-use system properly designed to ensure perfect filtration in all industrial processes where dusty residues originate. The thick galvanized sheet structure allows for both indoor and outdoor positioning, and it is suitable for operation in depression.

JET FC is available from 14 also up to 700 m² of filtering surface in order to guarantee a wide range of models for all applications.

Jet pulse cleaning system is the most efficient way to keep the filter media clean during processing, preventing the powders from sticking the cartridges and clogging them. During daily processing, this type of cleaning system allows for a clean and fully efficient filter unit with no drops in performance.

This specific cleaning system is managed and controlled by an economizer, which optimizes the intervention times thanks to a differential pressure sensor to minimize the consumption of compressed air.



The JET FC dust collector is suitable for processes that generate fine dust in the wood, plastics, chemical and metalworking industries. The cartridges are of the highest quality and are made in different fabrics to be chosen according to the type of dust to be filtered.

JET FC dust collector is always supplied pre-assembled in two parts for a practical and quick assembly.

SPECIFICATION

- A filtering unit made for very fine dust and fumes
- Made in high-thickness sheet metal
- Wide filtering surface, up to 700 m²
- Multiple filtering media suitable for various pollutants
- High filtration efficiency (up to 99,95% for powder of 0,2 microns)
- Pre-chamber to protect the filtering cartridges
- Pneumatic cleaning system
- Differential pressure switch
- Metal bin to collect the dust
- Easy of use and maintenance: the filtration chamber is easily accessible
- A wide range of reliable and silent motorventilator

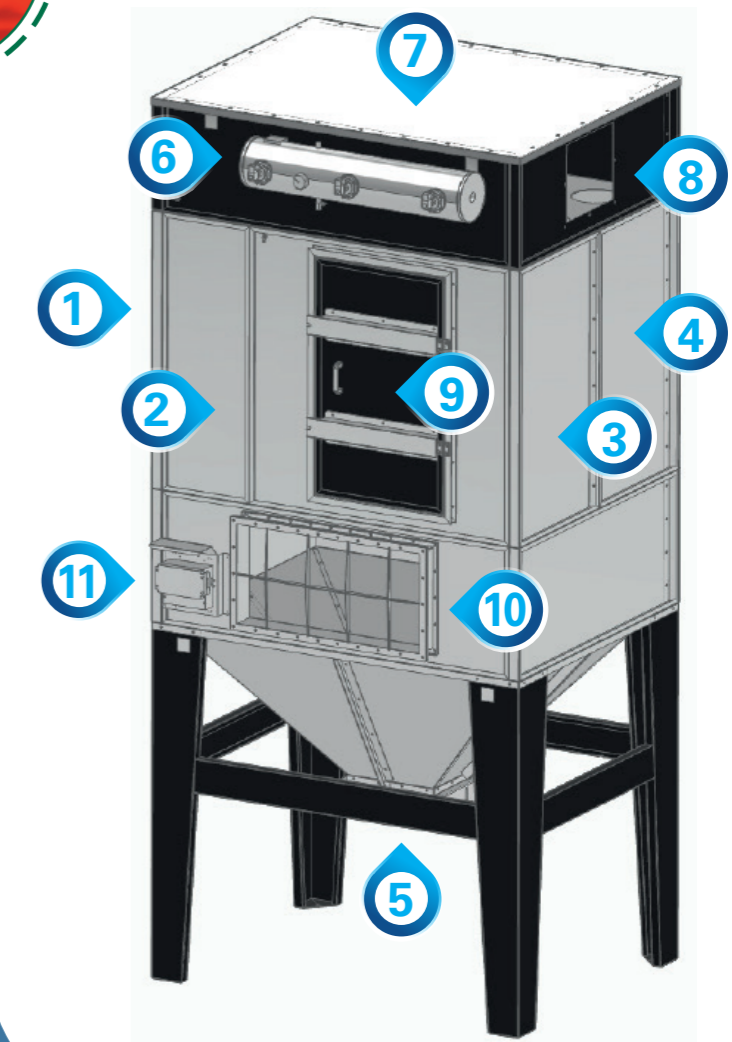
This model can also be equipped with a pre-chamber intake which preserves and protects the filter cartridges, preventing the aspirated processing residues from settling immediately on the cartridges, clogging them. The pre-chamber distributes the air flow evenly over the entire filtering surface allowing residues to settle in the collection bin.

HOW IT WORKS

- 1 Dusty air inlet
- 2 Pre-filtration chamber (upon request)
- 3 Filtration chamber
- 4 Filtering cartridges
- 5 Collection bin under the hopper
- 6 Air tank for pneumatic cleaning system
- 7 Plenum with venturi
- 8 Clean air outlet
- 9 Inspection and maintenance door
- 10 Venting panel (upon request)
- 11 Differential pressure switch

OPTIONAL EQUIPMENT

- Electrical panel
- Discharge with rotary valve
- Soundproof box for motorventilator to lower the noise
- Staircase and walkway to access the maintenance door
- Tank and control panel cover
- Pressure regulator
- Painted with a colour chosen by the customer
- Fire prevention system with tubes
- Sprayer nozzles and temperature probe (only ATEX version)



Certified electrical components



Suitable for ATEX zone, with potentially explosive atmospheres and class ST1 powders according to the certification string II 3 D Ex tD A22 T200°C -10°C<T<40°C.