

CARTRIDGE FILTER GIC

DESCRIPTION

This cartridge filter is equipped with automatic cleaning and with an integrated fan in its structure, automatic cleaning by means of compressed air targeted for filtration and relative separation of medium, fine and impalpable dust. The automatic cleaning system allows an almost continuous dust loss and keeps extraction constant.

Operating Principles

Dust-filled air enters the side wall of the filter through the hole into the back inlet. The coarser dust present in the suctioned air is immediately depressed by means of the separation chamber and drops into the container hopper because of the lessening of speed. Passing the quiet chamber, the dust then enters the filtering sleeves passing from the outside into the inside, thereby depositing the impurities in the container hopper. While in function, the filter is always kept at maximum efficiency through a system of cyclical cleaning moving into the opposite direction. A compressed blast of air, gathered in the correct tank, is rapi-

dly injected into the inside of the filtering sleeves, creating a shakingly violent wave in the opposite direction. This enables it to release the dust particles and let them far from being deposited on the outside of the filtering sleeves.

Manufacturing details

This filter is made entirely of very thick galvanized steel, opportunely developed to make it long lasting. It is equipped with a cartridges pneumatic cleaning system and a cyclical program to wash the filtering sleeves. Furthermore, it also has complete inspection portals, fireproof portals and dust container hopper with quick release.

OPTIONALS

Atex conformity version, antistatic cartridges, discharging rotary valve, fire system, insulation, hot air generator, spark detector.

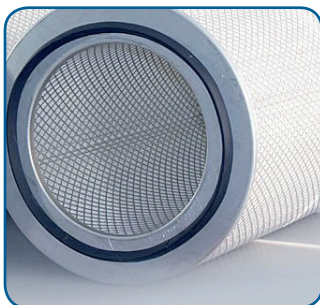
APPLICATION FIELDS

Engineering, wood, aeronautic, ceramic, food, painting, foundries, chemical, rubber, sugar, cement.

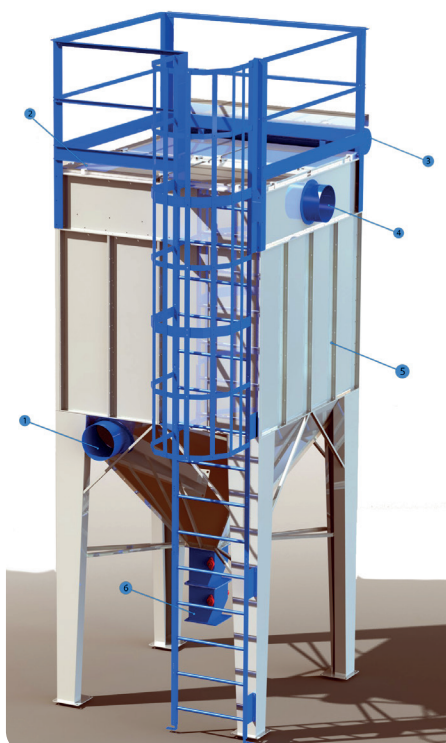
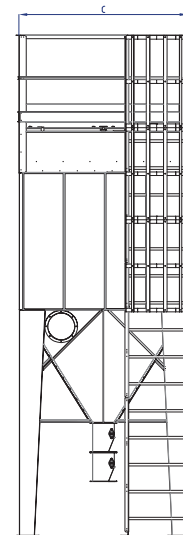
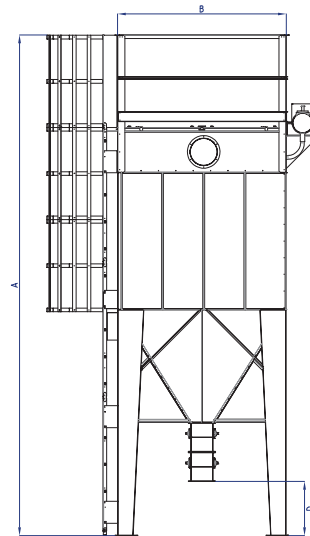
INSULATED VERSION



TYPE OF FILTER



MOD. GIC	UNITS	GIC-36	GIC-42
Filtering surface	m ²	144	168
Quantity of filtering cartridges	n°	36	42
Max fume temperature	°C	80	
Types of dust filtered	/	Dry dust and fumes	
Cartridge material	/	Polyester 100% BIA-USG, 500 gr/m ²	
Cartridge dimension	mm	Ø 125 x H 2000	
Tube basket	Material	galvanized/abs	
Electrovalves	n°/Ø	6/1"	6/1"
Electric Sequencer	n° outlets	6	6
Air tank capacity	n°/l	1x38	
Air tank pressure	Bar	5	5
Air compression consumption per air pulse	l	50	50
Dust container / capacity	n°/l	on request	
Non-return valve	n°	OPTIONALS	
Drop loss	mmH ₂ O	150	
Structure	Material	Galvanized sheets, painted on request	
Weight	kg	1250	1300
A (with railing)	mm	5477	
B	mm	1846	
C	mm	1846	
D	mm	600	
E	mm	Ø350	



BLOWER TUBE



DOUBLE CLAPET VALVE



- 1 Dusty air input tube
- 2 Inspection door cartridge
- 3 Compressed air tank
- 4 Filtered air outlet
- 5 Filter
- 6 Double clapet valve