

INDOOR BAG HOUSE FILTER GIM-H

DESCRIPTION

The GIM-H bag filter has been designed expressly for thermal plants and for all those places with height problems. In fact, it is compact, equipped with inspection door for maintenance and extraction sleeves, the inside of the filter with walkable grid.

Operating principle

The dust-filled air enters the top of the quiet chamber through the hole into the panel. Coarser dust present into the extracted 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, dust then enters the filtering sleeves, creating a shakingly violent wave in the opposite direction. This enables it to release dust particles and let them far from being deposited on the outside of the filtering sleeves. The screw fall moves the dust from alongside the star valve and in its turn will offload the dust cyclically. At the end of the ope-

rating cycle dust is collected in the container with quick release.

Construction details

It is equipped with by-pass in the body of the filter to assure rapid assembly, made of thick stainless sheet, suitably processed and treated, to favor its durability. It is supplied with pneumatic cleaning of sleeves, controlled by an economizer with differential pressure switch. Furthermore, it is comprised of supporting legs, inspection doors, railings and stairs, anti-bursting door, dust collection hopper.

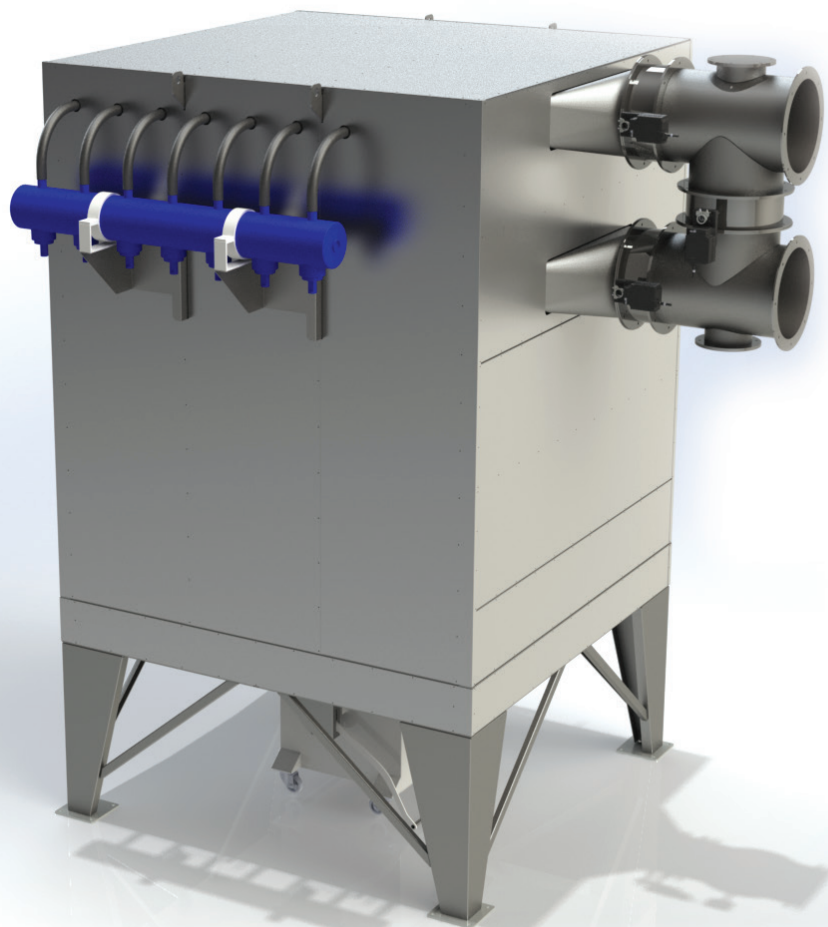
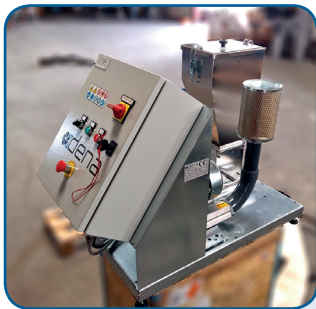
OPTIONALS

ATEX Conformity, System of dust discharge conform with Atex regulations (20), Manufacturing made out of stainless steel 304/316, Body filter heating, fire protection system, automatic by-pass.

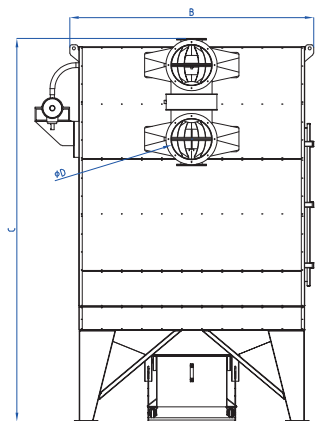
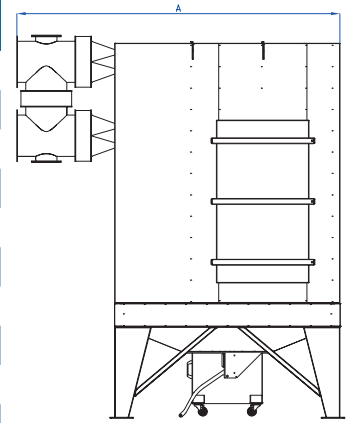
APPLICATION FIELDS

Fumes from combustion of solid and waste materials, biomass, cutting processes.

DOSING SYSTEM



MOD. GIM-H	UNITS	GIM-H36	GIM-H63	GIM-H90	GIM-H110	GIM-H143
Filtering surface	m ²	27.7	48.5	69.3	84.7	110.11
Quantità filtering sleeves	n°	36	63	90	110	143
Max fume temperature	°C	180				
Types of dust filtered	/	Dusty fumes				
Sleeve material	/	Tefloned aramidic fabric, 520 gr/m2				
Sleeve dimensions	mm	Ø 123 x H 2000				
Venturi tube cages	Material	Painted steel with cataphorases				
Electrovalves	n°/Ø	4/1"	7/1"	10/1"	10/1"	13/1"
Air tank capacity	n°/l	1/25	1/35	1/45	1/60	1/70
Air tank pressure	Bar	6				
Air compression consumption per air pulse	NLt	216 @ 6 bar (200ms)				
Dust container / capacity	n°/l	1/100				2/100
Insulation	Material	Rock wool - alluminum external				
Drop loss max	mmH ₂ O	160				
Structure	Material	Pickled and painted sheets				
Thickness	mm	30/10				
Weight	kg	1432	1820	2147	2478	2892
A	mm	2141	2741	3341	3341	3941
B	mm	2068	2068	2068	2468	2468
C	mm	3248	3248	3248	3248	3180
D	mm	300	350	400	450	500



- 1 By-pass system
- 2 Ergonomic handle container release
- 3 Clean air outlet
- 4 Inspection door handle
- 5 Fumes input
- 6 Dust container