BAG HOUSE FILTER **GIM-HT**

DESCRIPTION

The GIM-H bag filter has been designed expressively for thermal plants and for all those spaces 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 operating 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.

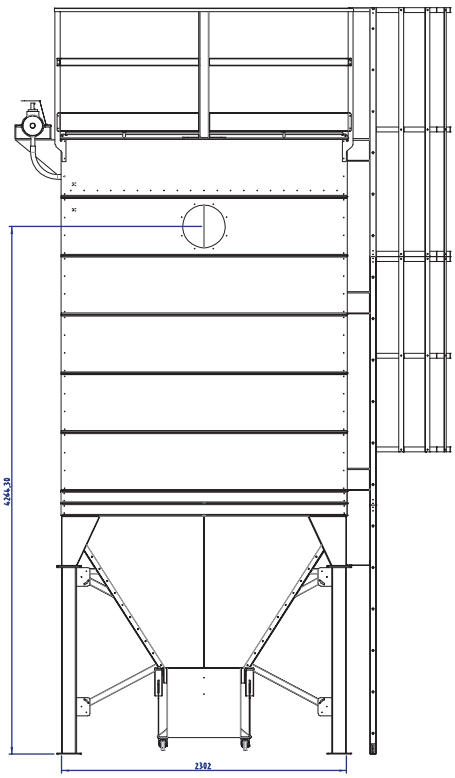
OPTIONALS

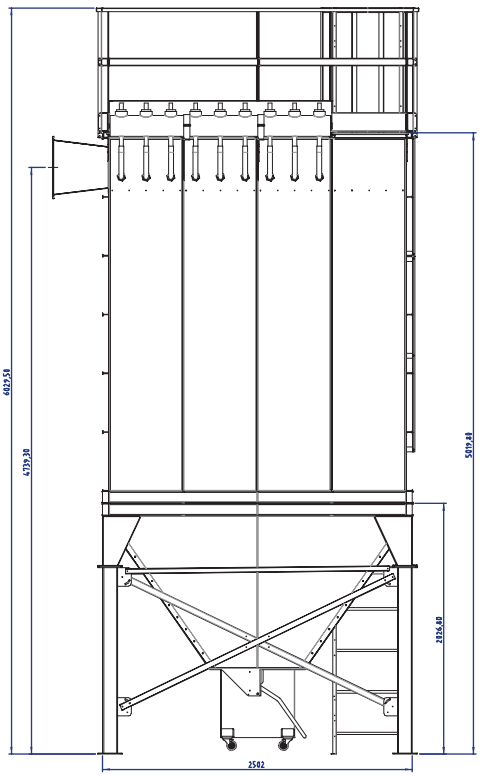
Atex conformity. System of dust discharge conform with Atex regulations (20). Manufacturing made out of stainlss steel, 304/3016. Body filter heating, fire protection system, automatic by-pass.

APPLICATION FIELDS

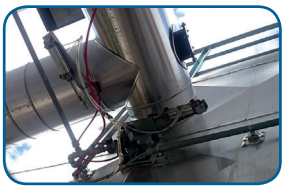
Movement operations, storage, transportation, mixing, dust particles, grinding, sanding, polishing, solid and waste combustion, cutting processes, welding and surface cleaning.

MOD. GI-M	UNITS	GI-M30	GI-M54	GI-M81	GI-M99	GI-M132	GI-M165	GI-M198	GI-M231
Filtering surface	m^2	28	51.85	77.76	93	124	155	186	217
Quantità filtering sleeves	n°	30	54	81	99	132	165	198	231
Max fume temperature	°C	180							
Types of dust filtered	/	Dusty fumes							
Sleeve material	/	Tefloned aramidic fabric, 500 gr/m^2							
Sleeve dimensions	mm	Ø 123 x H 2500							
Venturi tube cages	Material	Painted steel with cataphorases							
Electrovalves	n°/Ø	6/1”	6/1”	9/1”	9/1”	12/1”	15/1”	18/1”	21/1”
Air tank capacity	n°/l	1/25	1/35	1/45	1/60	1/70	1/80	2/45	2/60
Air tank pressure	Bar	1x25	2x25	3x25	4x25				
Air compression consumption per air pulse	NLt	6							
Dust container / capacity	n°/l	1/100					2/100		
Insulation	Material	Rock wool - alluminum external							
Drop loss max	mmH_2O	160							
Structure	Material	Pickled and painted sheets							
Thickness	mm	30/10							
Weight	kg	1000	1600	1850	2250	2800	3000	3450	3900
Width	mm	1160	1900	1900	2080	2080	2080	2080	2080
Length	mm	1050	1900	2500	2240	2780	3320	3860	4400
Height	mm	4470					5020		





BY-PASS



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STATIC ANALYSIS
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