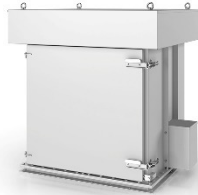


AMT 1



AMT 3



AMT 5



AMT 7

Functional Description

The cleaning of the MATADOR-Filter bags is done mechanically. After the completion of the suction process / filtration, a vibrating rode shakes the filter bags rapidly, so that the filter cake drops off the filter surface. The cleaning process takes about 20-30 sec. before a new filtration cycle can be started.

The starting of the cleaning process and therefore the shutdown of the ventilator can either be initiated manually or automatically with a timer, as well with a differential pressure measurement.

The horizontal installation of the filter elements is achieved with an easy to use "Quick-clamping" mechanism. The connection for the raw- and clean- gas, as well the electrical requirements can be chosen freely. With the installation of a noise reducing hood, the emitting sound of the MATADOR reducible to less than 75 dB(a).

The MATADOR can be used as a free standing dedusting unit, a filter for a bag dumping station and as a silo filter. All Models are obtainable in ATEX Zone 21.

Matador AMT

The MATADOR filter is especially suited for simple and discontinuous processes with a low dust concentration. Large filter area within a small buildingspace can be realized with the MATADOR.

Advantages

- high filter performance
- compact filter system
- integrated ventilator and noise reduction hood
- build to customer specification
- easy to maintain, low cost.

Application in various industrial sectors

- Bulk goods/powder technology
- food industry
- chemical industry
- pharmaceutical industry
- sand-blasting systems/enamelling lines
- wood industry
- Stone, earth/gravel, cement etc.

bg filtration gmbh

Voithstr. 5
71272 Renningen, Deutschland
Fon +49 7159 8069-0
Fax +49 7159 7933
Info@bg-filtration.de

Kreissparkasse Böblingen
BLZ 603 501 30
Kto 118174
BIC BKKRDE68
IBAN DE66 6035 0130 0000 118174

HRB 744965
Amtsgericht Stuttgart
Geschäftsführer
Dr. Volker Bauer

Layout Guidelines

Calculating the required filtering area:

Cotton weave:

$A_{\text{Filter}} [\text{m}^2] = \text{Luftmenge} [\text{m}^3/\text{h}]/100$

Polypropylen/Polyester needle felt:

$A_{\text{Filter}} [\text{m}^2] = \text{Luftmenge} [\text{m}^3/\text{h}]/75$

Use of filter media	Pure gas content		Grain sizes		Dust volume
Cotton weave	< 20 mg/m ³		> 0,5 µm		< 500 g/m ³
Polypropylene/Polyester needle felt, standard	< 10 mg/m ³		> 0,5 µm		< 500 g/m ³
	Type 10	Type 14	Type 22	Type 30	Type 40
Filter area [m ²]	10	14	22	30	40
Fan	Air flow [m ³]	Total pressure [Pa]	Output [kW]	Sound Level [dB(A)]	
AVR-1	900	2.250	1,5	< 80	
AVR-2	1.600	2.400	2,2	< 82	
AVR-3	2.400	2.400	3	< 83	
AVR-4	3.600	2.250	4	< 85	

Dedusting motor

Control	Tension:	Frequency:
	230 V	AC
	110 V	AC
	24 V	DC/AC

Dimensions/Measurements

	Typ 10	Typ 14	Typ 22	Typ 30	Typ 40
Width [mm]	800	800	970	1.106	1.106
Depth [mm]	800	800	970	970	970
height [mm]	1.706	1.846	1.924	1.926	2.216
height incl. fan [mm]	2.202	2.342	2.470	2.574	2.864
weight incl. fan [kg]	295	320	400	430	460
Height type 3 [mm]	953	1.093	1.169	1.174	1.460
Weight type 3 [kg]	100	110	140	160	185
Height type 4 [mm]	1.460	1.600	1.725	1.830	2.120
Weight type 4 [kg]	150	160	190	235	240
Height type 5 [mm]	2.410	2.550	2.675		
Weight type 5 [kg]	180	190	240		
Height type 6 [mm]	950	1.130	1.100		
Weight type 6 [kg]	85	95	115		

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