

# INFASTAUB



*Breathe The Difference: Pure Air*

## INFA-MINI-JET INFA-INLINE Cartridge filter / Bag filter

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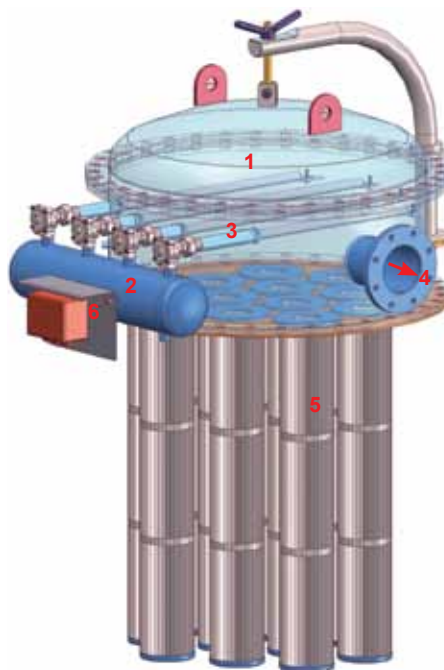


## INFA-MINI-JET, AJM Cartridge filter / Bag filter

The INFA-MINI-JET series is a versatile circular filter program. Customer-specific designs are available due to individual constructions. Because of an optional hot gas design, pressure resistance and gas-tightness, the fully automated filters ensure the separation of dust and powder products as well from exhaust air as from process gases.

During the filtration phase the cleaning of the filter cartridges or filter bags is done in periodic intervals by pulses of compressed air (jet cleaning). The filter sizes cover a volume flow of 20 m<sup>3</sup>/h to 12,000 m<sup>3</sup>/h.

- 1 Clean gas chamber
- 2 Compressed air reservoir
- 3 Blowing nozzle
- 4 Clean gas outlet
- 5 Filter cartridge or filter bag with supporting cage
- 6 Control unit



INFA-MINI-JET, AJM vent filter without housing

### Standard design features

- Basic module consisting of closed filter head, filter elements and pneumatic cleaning unit
- Expandable modular system for flexible adaptation to specific applications
- Housing strength up to +/- 45 mbar g
- System can be equipped either with filter cartridges or filter bags
- Easy filter media change from the clean gas side with quick clamp fastening



### Range of applications

- For de-dusting of aggregates for mechanical and pneumatic conveying or for processing machines, e. g. day bin, silo, weigher pre-bin, dosing system, sieve, mill, mixer, materials lock, sack discharge, etc.
- For separating of dusts in the industries food, chemistry, pharmacy, plastic, stone/earth, cement/lime/gypsum, energy (combustion power plant), etc.
- De-dusting of special processes, which are characterised by specific requirements concerning e. g. pressure, temperature, material qualities, explosion protection or process gas



On the basis of serial signs are possible, tailored for any de-dust

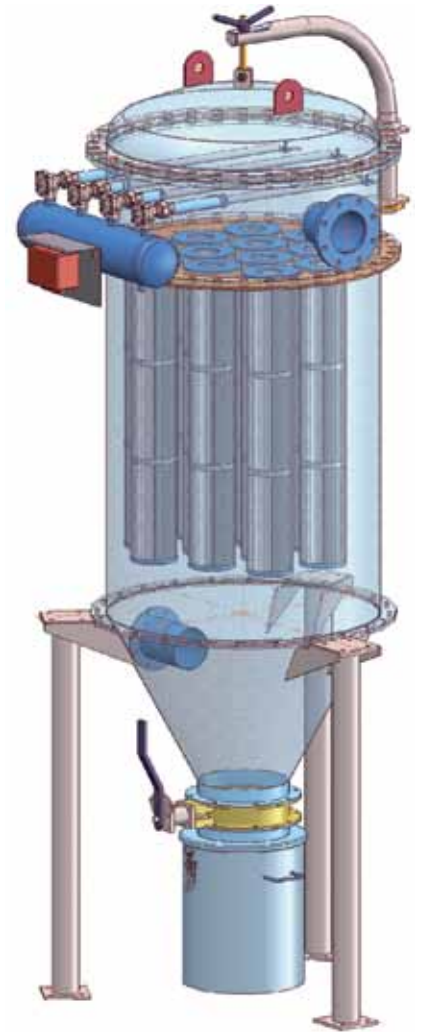
### Economic de-dust cartridge filter / bag

- Delivered in pre-as
- Compact design
- Superior cleaning cartridges because of the pleated ca
- Low operating c cleaning triggered measurement



## Options

- ❑ Modular supplements and accessories, e. g. filter housing, hopper and dust bin, level indicator within the dust bin, butterfly valve, rotary valve, fan, inspection cover, secondary filter stage
- ❑ All housing parts, internal parts or components in contact with the product / dust made of stainless steel
- ❑ Housing strength up to +/- 0.5 bar g for pressure- or vacuum-pneumatic operation
- ❑ Design for ATEX zones
- ❑ Pressure-shock resistant design for reduced explosion pressure (e. g. 0.4 bar g or 2.0 bar g) with pressure relief or for maximum explosion pressure (9 bar g)
- ❑ Electronic control unit for filter cleaning controlled by timing cycle or differential pressure. Also for additional components (fan, rotary valve, etc.)
- ❑ Control system and motors for special voltages, e. g. 500 V
- ❑ Design for hot gases up to 240 °C
- ❑ Filter media available in different qualities, e.g. FDA-conform for food industry
- ❑ Sound absorbing kits for use in noise-sensitive environments
- ❑ Exchange of filters elements on the raw gas side if not enough space in height is available
- ❑ Integrated washing equipment
- ❑ Electric heating of the filter housing including thermal insulation



INFA-MINI-JET, AJM dust collector with hopper and dust collection bin

components filter de-  
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by differential pressure

## Filter sizes

Housing diameter		200 mm		300 mm		500 mm		710 mm		900 mm		1100 mm		1400 mm		1800 mm	
Lengths of filter elements [mm]	Filter surface [m <sup>2</sup> ]	C		B		C		B		C		B		C		B	
		Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	
B = 1600 C = 1400	0.4	0.1	1.2	0.3	5	1.1	9	2	15	3.5	24	5.5	37.5	8.5	60	13.5	
	0.8	0.2	2.5	0.6	10	2.2	18	4	30	7	48	11	75	17	120	27	
B = 1100 C = 1000					14	3.2	24	5.6	42	9.6	66.5	15	105	24	168	38	
B = 550 C = 500																	

B = filter bag

C = filter cartridge

# Special version INFA-INLINE, INF Safety filter

The INFA-INLINE filter INF is a non-cleanable safety filter used to protect compressors and processing machines, e. g. in closed loops. It can be arranged on the over-pressure side or suction side.

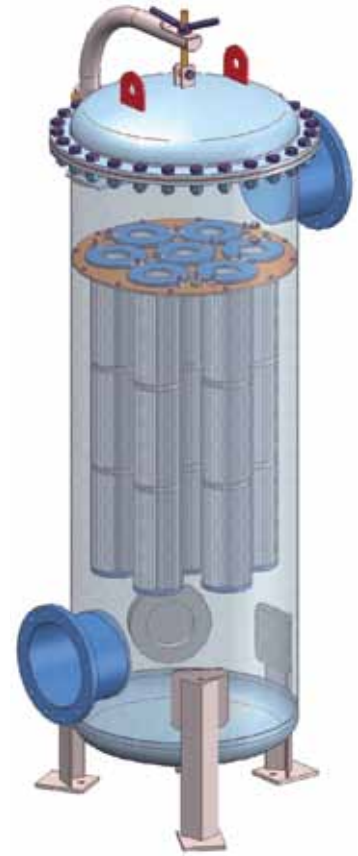
When the max. allowed filter pressure drop is reached the filter cartridges will be replaced.

The essential constructive elements base on the proven AJM series. The housing strength is designed for over pressure / low pressure up to 4.0 / - 0.5 bar g. The filter housing can optionally be made of stainless steel.

## Filter sizes

Housing diameter		300 mm	500 mm	710 mm	900 mm	1100 mm	1400 mm
Lengths of filter elements [mm]		C	C	C	C	C	C
		Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]	Filter surface [m <sup>2</sup> ]
1200 P325/1200	1000 P16/1000	2	8	14	24	38	60
	500 P16/500						
			20		80	140	200

C = filter cartridge



INFA-INLINE, INF safety filter



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Subject to technical changes  
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