

INFASTAUB



Breathe The Difference: Pure Air

INFA-VARIO-JET
INFA-VACUTRON
Cartridge filter / Bag filter



INFA-VARIO-JET, AJV Cartridge filter / Bag filter

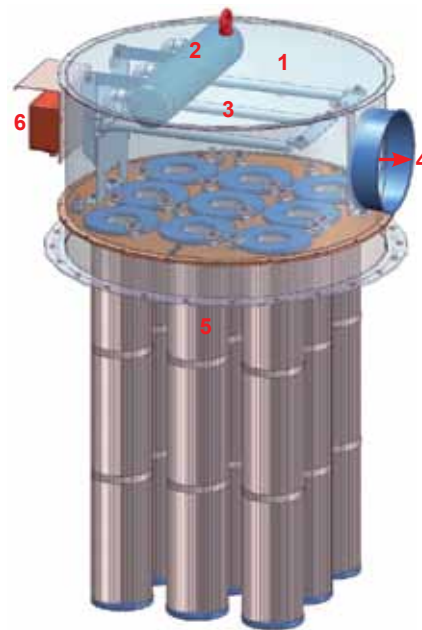
The INFA-VARIO-JET AJV is especially suitable for de-dusting pneumatic conveying processes of bulk materials. All parts in contact with the product are manufactured of stainless steel serially.

Because of the round construction, the cartridge filter / bag filter is applicable for overpressure / low pressure up to +/- 0.5 bar. But this filter series can be used generally for all cases where a product / dust / air mixture continuously arises over a long period of time. It is also suitable for de-dusting of mechanical transporting and manufacturing processes.

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 m³/h to 4,000 m³/h.

Standard design features

- ❑ Basic module consisting of closed filter head, filter elements and pneumatic cleaning unit; individually extensible for flexible adaptation to applications
- ❑ Space-saving compact design, e.g. compressed air reservoir is integrated within the clean gas chamber
- ❑ Filter housing and all components in contact with the product / dust are made of stainless steel 1.4301
- ❑ Housing strength up to +/- 0.5 bar g for pressure- or vacuum-pneumatic operation
- ❑ System can be equipped either with filter cartridges or filter bags
- ❑ Easy filter media change from the clean gas side with quick clamp fastening



INFA-VARIO-JET, AJV vent filter

- 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



Individual customized design is possible. The standardized serial production can be adapted very flexibly and versatilely to predetermined requirements.

Economic de-dusting with AJV cartridge filter

- ❑ Delivered in pre-assembled state
- ❑ Compact design
- ❑ Superior cleaning efficiency of filter cartridges due to the large angle of the pleats
- ❑ Low operating costs due to the automatic cleaning triggered by a pressure measurement



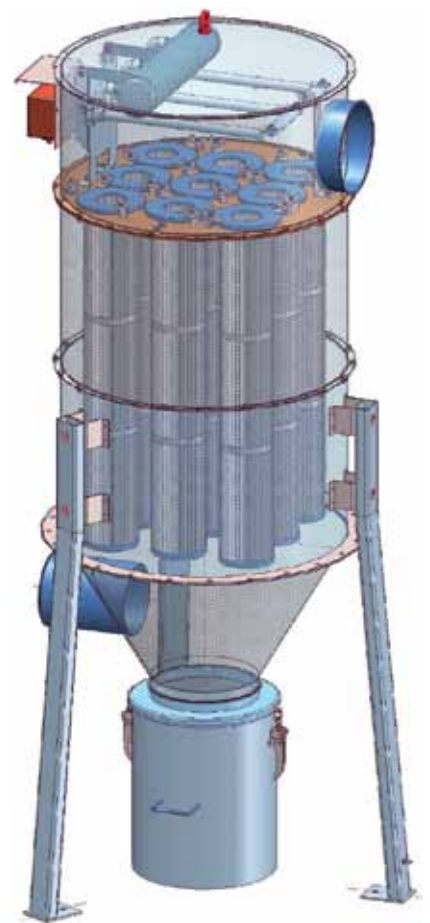


Options

- ❑ Filter housing, hopper and dust bin, level indicator within the dust bin, butterfly valve, rotary valve, fan, secondary filter stage
- ❑ Design for ATEX zones
- ❑ Pressure-shock resistant design for reduced explosion pressure up to 1.0 bar g (AJV 800 up to 2.0 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 130 °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 filter elements on the raw gas side if not enough space in height is available
- ❑ Top cover of the clean gas chamber is equipped with quick lockings for a faster access to the pneumatic cleaning unit and filter media

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.



INFA-VARIO-JET, AJV dust collector with hopper and dust collection bin

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assembled units

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Filter sizes

Housing diameter		300 mm		500 mm		640 mm		800 mm		1100 mm	
Lengths of filter elements [mm]		C	B	C	B	C	B	C	B	C	B
		Filter surface [m ²]		Filter surface [m ²]		Filter surface [m ²]		Filter surface [m ²]		Filter surface [m ²]	
B = 1600 C = 1400	B = 1100	1.7	0.5	5	1.1	7.5	1.7	11.2	2.5	20	5
	C = 1000	3.4	1	10	2.2	15	3.3	22.5	5	40	9
	B = 550 C = 500			14	3.2	21	4.8	31.5	7	56	13

B = filter bag

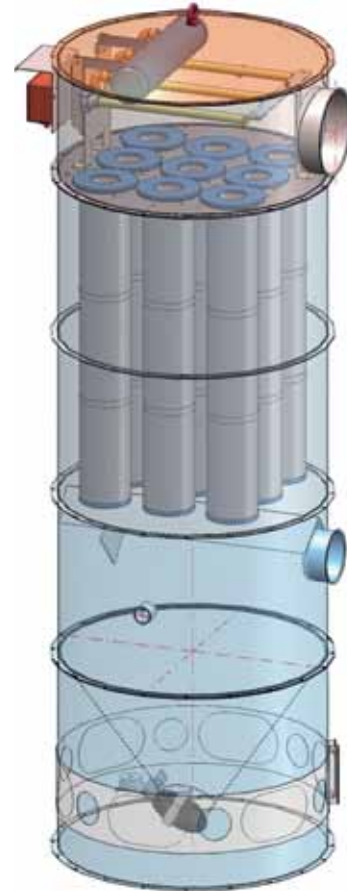
C = filter cartridge

Special version INFA-VACUTRON, VAC Vacuum conveyor device

The INFA-VACUTRON VAC is a vacuum conveyor device for feeding preliminary containers with powder mixtures and granulates. After filling the storage container with a capacity of up to 160 litres, the weight-loaded discharge flap opens and allows the batch to flow into the unit underneath. Then the flap closes automatically. Proximity switches report the status of the flap respectively the filling level of the storage container.

The upper part of the filter is borrowed from the proven AJV series. The storage container and the hopper with flap and skirt support are attached underneath the filter part.

All components in contact with the product are made serially of stainless steel and the filter is designed for a low pressure of - 0.5 bar g. Besides special accessories, e. g. level indicator within the storage container or proximity switch at the discharge flap, the accessories of the AJV are available for the VAC.



INFA-VACUTRON, VAC vacuum conveyor device



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Subject to technical changes
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