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INFA-JET AJN

Pocket filter with pneumatic jet-pulse cleaning for continuous dedusting of machines and work places

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Highlights

The pocket filter system INFA-JET is a flexible modular system for continuous de-dusting of machines and workplaces.

The extensive series is suitable for volume flows of approx. 100 m³/h to approx. 25,000 m³/h. Almost every combination of design - high, low, round or rectangular - is practicable. During the filtration phase, the cleaning of the filter pockets or pleated filter elements is done in periodic intervals by pulses of compressed air (jet cleaning).

Almost every customer demand can be fulfilled with the pocket filter INFA-JET type AJN - we realise for you the most economical solution both within requirements of the process technology as well as in case of difficult spatial situations. For example:

- as vent filter with or without filter housing or with secondary filter stage
- without or with adjacent or flanged fan
- with dust discharge via rotary valve, double pendulum flap or dust bin
- in pressure shock resistant design respectively with constructive explosion protection
- variants with one chamber or multiple chambers

Standard design features

- Basic module consisting of closed filter head, filter elements and pneumatic cleaning unit
- Housing strength up to +/- 50 mbar g (basic version), up to 80 °C
- Eckige Ausführung bis +/-0,4 bar druckstoßfest
- Runde Ausführung von 0,5 bar bis 3 bar druckstoßfest
- Design as
 - standing filter (dedusting device)
 - top filter
 - insert filter
- Modular system for flexible adaption to each application

Options

- Modular supplements, e.g.
 - filter housing for horizontal or vertical pocket arrangement
 - lower section with hopper, supporting legs and dust collecting bin

- design as cylindrical dust collector (“total separator”)
- flange-mounted or console-mounted fan
- inspection cover
- secondary filter stage
- Various accessories at dust discharge, e.g.
 - butterfly valve
 - rotary valve
 - double pendulum flap
 - screw conveyor
 - level indicator within the dust bin
- Pressure-resistant design for process pressures above and below atmosphere up to +/- 0.5 bar g
- 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
- All housing parts, internal parts or components in contact with the product / dust made of stainless steel
- Filter media available in different qualities (e.g. FDA-conform for food industry)
- Design for hot gases up to 240 °C
- Sound absorbing kits for use in noise-sensitive environments
- Electric heating of the filter housing including thermal insulation
- Quick-exchange technology for easier access in case of filter media change
- Design for ATEX zones according to directive 2014/34/EU (ATEX)

Filter type	Filter surface[m²]	Compressed air consumption* [Nm³/h]	Dimension sheet
043 FH 4	4	7	3031
063 FH/UT 6	6	7	3031/3030
083 FH/UT 8	8	7	30313030
103 FH/UT 10	10	7	30313030
1/103 Q		7	3030
123 FH/UT 12	12	7	30313030
153 UT 15	15	7	3030
1/153	15	7	3032
1/153 QSL 15	15	7	
203 UT 20	20	7	3030
1/203	20	7	3032
2/103Q	20	14	
1/303 SL 30	30	7	3032
1/303	30	9	3032A
2/153	30	14	3032

Filter type	Filter surface[m²]	Compressed air consumption* [Nm³/h]	Dimension sheet
2/153 QSL	30	14	
3/103 Q	30	21	
1/403	40	9	3032B
2/203	40	14	3032
1/453 SL	45	9	3032A
3/153	45	21	(3032)
3/153 QSL	45	21	
2/303 SL	60	14	3032
2/303	60	18	3032A
3/203	60	21	3032
4/153	60	28	
1/603 SL	60	9	3032B
5/153	75	35	
2/403	80	18	3032B
4/203	80	28	(3032)
3/303 SL	90	21	3032
2/453 SL	90	18	3032A
3/303	90	27	3032A
5/203	100	35	(3032)
4/303 SL	120	28	(3032)
2/603 SL	120	18	3032B
3/403	120	27	3032B
4/303	120	36	(3032A)
3/453 SL	135	27	3032A
5/303	150	45	(3032A)
5/303 SL	150	35	(3032)
4/403	160	36	(3032B)
4/453 SL	180	36	(3032A)
3/603 SL	180	27	3032B
5/403	200	45	3032B
5/453 SL	225	45	(3032A)
4/603 SL	240	36	(3032B)
5/603 SL	300	45	(3032B)
x/xxx (SL)			3033
03_	3	7	3010-3017, 3020-3027
04_	4	7	3010-3017, 3020-3027
06_SL	6	7	3010-3017, 3020-3027
06_	6	7	3010-3017, 3020-3027
08_	8	7	3010-3017, 3020-3027

Filter type	Filter surface[m ²]	Compressed air consumption* [Nm ³ /h]	Dimension sheet
10_	10	7	3010-3017 , 3020-3027
10_Q	10	7	3010-3017 , 3020-3027
12_SL	12	7	3010-3017 , 3020-3027
12_	12	7	3010-3017 , 3020-3027
15_	15	7	3010-3017 , 3020-3027
15_Q, SL	15	7	3010-3017 , 3020-3027
18_SL	18	7	3010-3017 , 3020-3027
20_	20	7	3010-3017 , 3020-3027
23_	23	9	3010A-3017A , 3024A-3027A
30_	30	9	3010A-3017A , 3024A-3027A
30_SL	30	7	3010-3023
40_	40	9	3010A-3017A , 3024A-3027A
45_SL	45	9	3010A-3017A , 3024A-3027A
60_SL	60	9	3010A-3017A , 3024A-3027A

*6 bar at 10 sec. pause

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