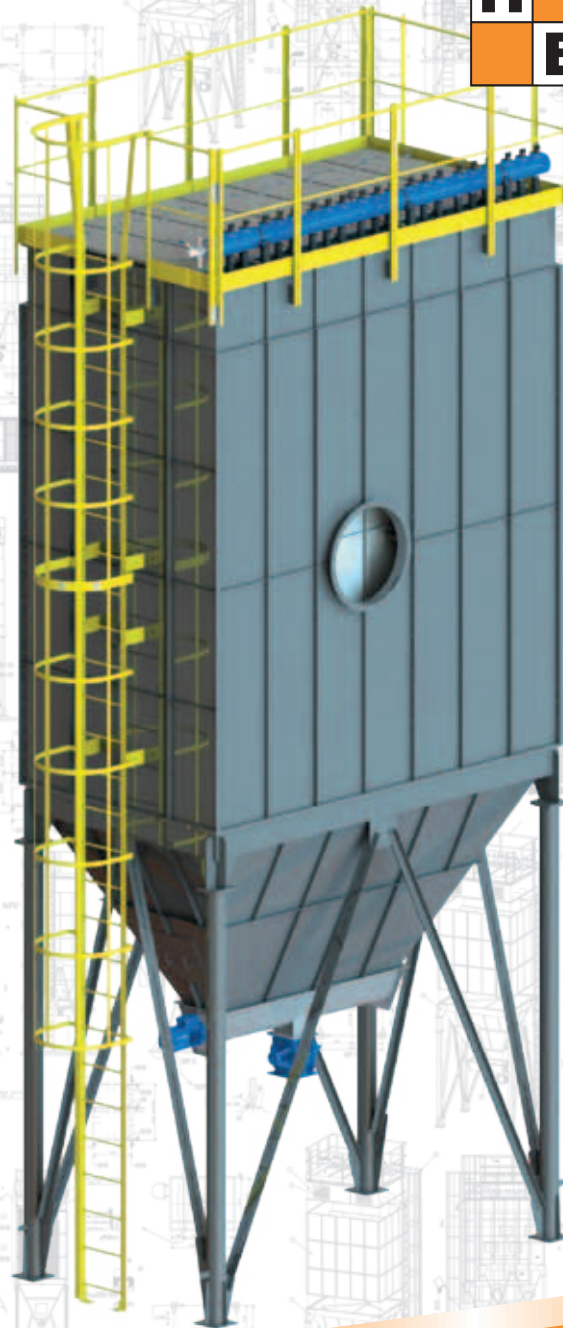




**HASCON
ENGINEERING®**
AIR FILTRATION SYSTEMS & VENTILATION



Hascon Jet Light®

Self cleaning bag filter

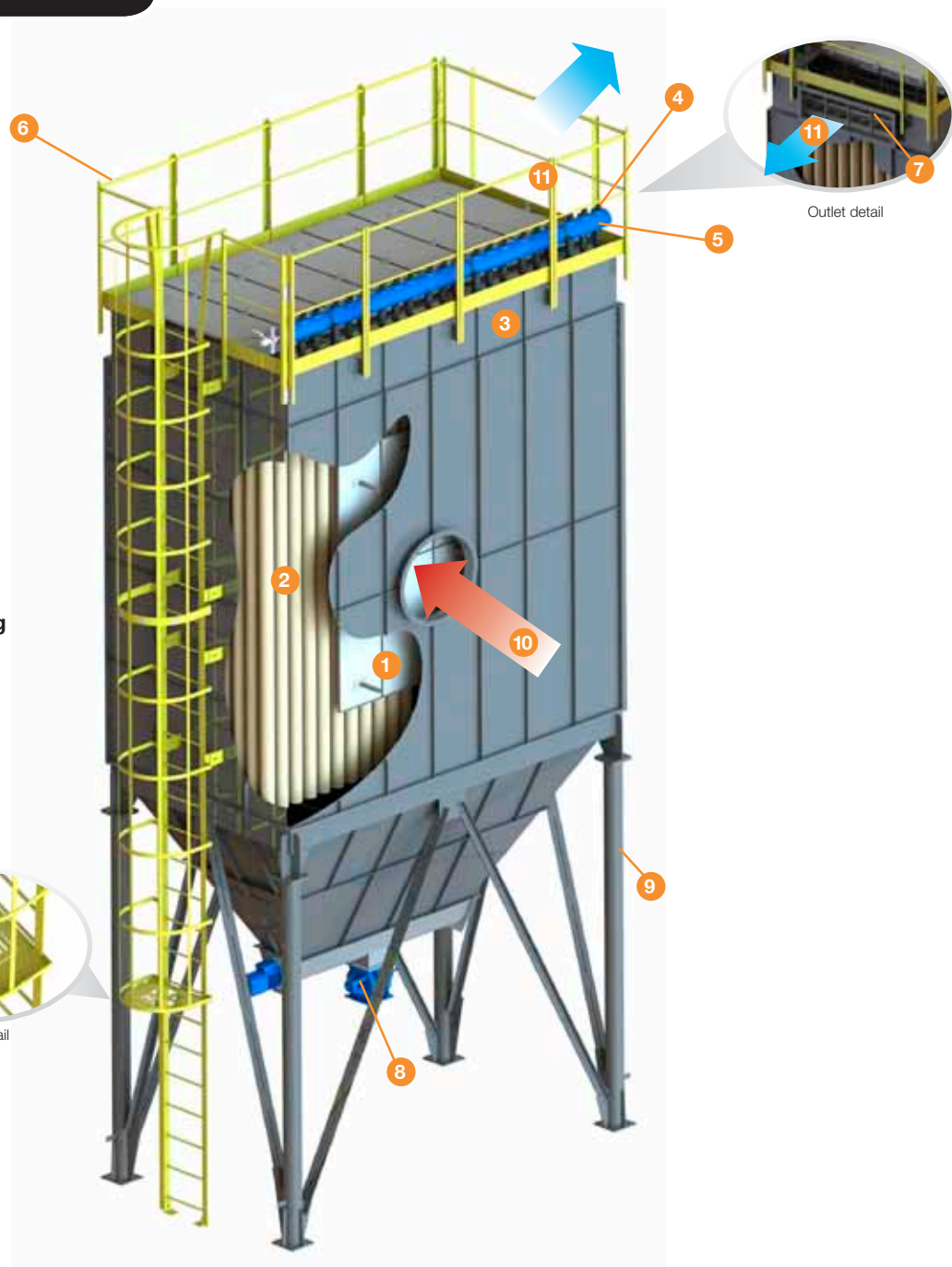
A cleaner world.

Operations

- 1 Pre-chamber
- 2 Filtering bags
- 3 Clean air plenum
- 4 Full-immersion solenoid valve
- 5 Compressed air tank
- 6 Access doors for bags removing
- 7 Cleaning air distribution pipes
- 8 Dust discharging system
- 9 Filter upright
- 10 Dusty air inlet
- 11 Clean air outlet



Stair detail



The HJ-P/C bag filter is a self cleaning unit with pulse pneumatic cleaning ("Pulse-Jet") suitable for use in all industrial processes where high dust concentration of different nature are generated.

During normal operation dusty air enters the HJ-P/C filter from the front panels.

The air is channeled through the pre-chamber which allows to heaviest particles to be pre-separated and fall down into the hoppers increasing the lifetime and the efficiency of filtering bags.

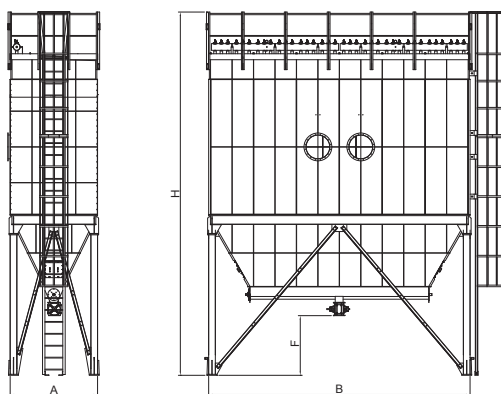
Pulse jet cleaning system triggers a high energy compressed air jet inside the bags by producing a mechanical shaking which helps the dust cake which lies on the external surface of the bags.

A dust discharge system made up of a rotary valve (for small filters) and a screw conveyer + rotary valve (for the other filters) allows continuous discharge of the filtered particulates in order to avoid the dust accumulation to fall down.

When the pressure drop has reached the maximum value compatible with good system operation, the filtering bags have to be cleaned.

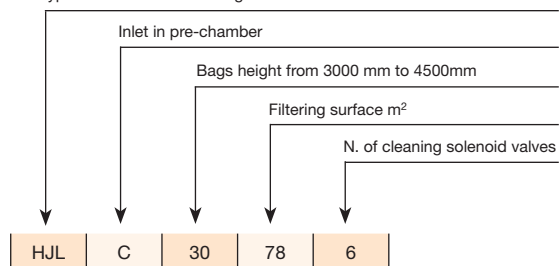
The cleaning cycle parameters (pulse duration and frequency, start and end washing cycle, differential pressure, clog filtering bags alarm) can be adjusted to specific operating conditions on site after valuating the good functioning of the filter during operation.

Technical data



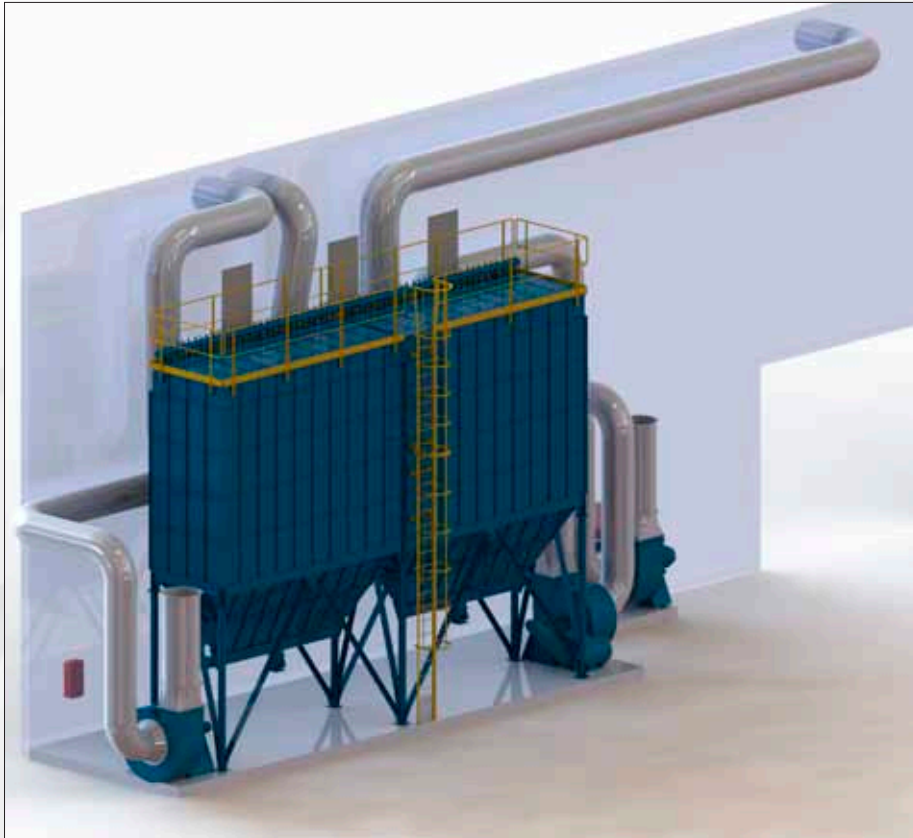
Hascon Jet Light filter configuration example: HJL-C / 30 / 78 / 6

Type of filter: Hascon Jet Light



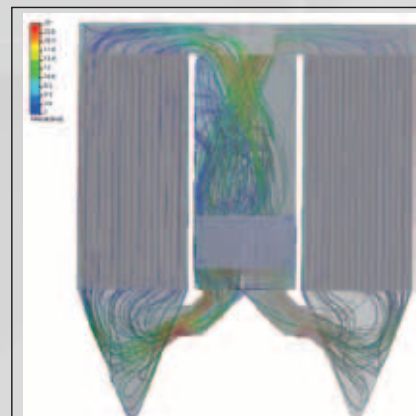
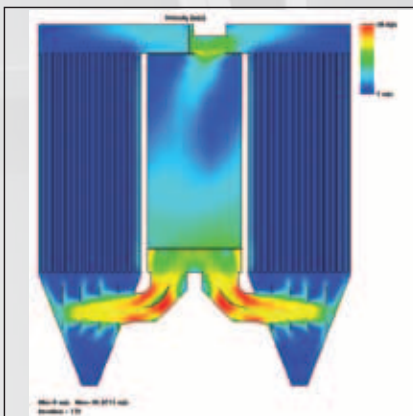
CODE	n° of bags	Filtering surface m²	Air flow m³/h		A mm	B mm	H mm	F mm
			v = 0,8 m/min	v = 1,6 m/min				
HJL-C / 30 / 78 / 6	66	78	3.750	7.500	2.250	1.230	8.270	1.500 c.a.
HJL-C / 40 / 104 / 6	66	104	5.000	10.000	2.250	1.230	9.270	1.500 c.a.
HJL-C / 45 / 117 / 6	66	117	5.600	11.200	2.250	1.230	9.770	1.500 c.a.
HJL-C / 30 / 117 / 9	99	117	5.600	11.200	2.250	1.770	8.270	1.500 c.a.
HJL-C / 40 / 156 / 9	99	156	7.500	15.000	2.250	1.770	9.270	1.500 c.a.
HJL-C / 45 / 175 / 9	99	175	8.400	16.800	2.250	1.770	9.770	1.500 c.a.
HJL-C / 30 / 156 / 12	132	156	7.500	15.000	2.250	2.310	8.270	1.500 c.a.
HJL-C / 40 / 208 / 12	132	208	10.000	20.000	2.250	2.310	9.270	1.500 c.a.
HJL-C / 45 / 234 / 12	132	234	11.250	22.500	2.250	2.310	9.770	1.500 c.a.
HJL-C / 30 / 195 / 15	165	195	9.350	18.700	2.250	2.850	8.650	1.500 c.a.
HJL-C / 40 / 260 / 15	165	260	12.450	24.900	2.250	2.850	9.650	1.500 c.a.
HJL-C / 45 / 292 / 15	165	292	14.050	28.100	2.250	2.850	10.150	1.500 c.a.
HJL-C / 30 / 234 / 18	198	234	11.250	22.500	2.250	3.390	8.650	1.500 c.a.
HJL-C / 40 / 312 / 18	198	312	14.950	29.900	2.250	3.390	9.650	1.500 c.a.
HJL-C / 45 / 351 / 18	198	351	16.850	33.700	2.250	3.390	10.150	1.500 c.a.
HJL-C / 30 / 273 / 21	231	273	13.100	26.200	2.250	3.930	8.650	1.500 c.a.
HJL-C / 40 / 364 / 21	231	364	17.450	34.900	2.250	3.930	9.650	1.500 c.a.
HJL-C / 45 / 409 / 21	231	409	19.650	39.300	2.250	3.930	10.150	1.500 c.a.
HJL-C / 30 / 312 / 24	264	312	14.950	29.900	2.250	4.470	8.650	1.500 c.a.
HJL-C / 40 / 416 / 24	264	416	19.950	39.900	2.250	4.470	9.650	1.500 c.a.
HJL-C / 45 / 468 / 24	264	468	22.450	44.900	2.250	4.470	10.150	1.500 c.a.
HJL-C / 30 / 351 / 27	297	351	16.850	33.700	2.250	5.010	8.650	1.500 c.a.
HJL-C / 40 / 468 / 27	297	468	22.450	44.900	2.250	5.010	9.650	1.500 c.a.
HJL-C / 45 / 526 / 27	297	526	25.250	50.500	2.250	5.010	10.150	1.500 c.a.
HJL-C / 30 / 390 / 30	330	390	18.700	37.400	2.250	5.550	8.650	1.500 c.a.
HJL-C / 40 / 520 / 30	330	520	24.950	49.900	2.250	5.550	9.650	1.500 c.a.
HJL-C / 45 / 585 / 30	330	585	28.050	56.100	2.250	5.550	10.150	1.500 c.a.
HJL-C / 30 / 429 / 33	363	429	20.600	41.200	2.250	6.090	8.650	1.500 c.a.
HJL-C / 40 / 572 / 33	363	572	27.450	54.900	2.250	6.090	9.650	1.500 c.a.
HJL-C / 45 / 643 / 33	363	643	30.850	61.700	2.250	6.090	10.150	1.500 c.a.
HJL-C / 30 / 468 / 36	396	468	22.450	44.900	2.250	6.630	8.650	1.500 c.a.
HJL-C / 40 / 624 / 36	396	624	29.950	59.900	2.250	6.630	9.650	1.500 c.a.
HJL-C / 45 / 702 / 36	396	702	33.700	67.400	2.250	6.630	10.150	1.500 c.a.
HJL-C / 30 / 507 / 39	429	507	24.300	48.600	2.250	7.170	8.650	1.500 c.a.
HJL-C / 40 / 676 / 39	429	676	32.450	64.900	2.250	7.170	9.650	1.500 c.a.
HJL-C / 45 / 760 / 39	429	760	36.500	73.000	2.250	7.170	10.150	1.500 c.a.
HJL-C / 30 / 546 / 42	462	546	26.200	52.400	2.250	7.710	8.650	1.500 c.a.
HJL-C / 40 / 728 / 42	462	728	34.950	69.900	2.250	7.710	9.650	1.500 c.a.
HJL-C / 45 / 819 / 42	462	819	39.300	78.600	2.250	7.710	10.150	1.500 c.a.

Advantages



Installation example

- High filtering efficiency and low emissions
- Simple and quick maintenance of the bags
- Extremely contained installation, use and maintenance costs
- Available for airflow with very high dust contents
- Low pressure drops during operation with minimum compressed air and power consumption
- High duration of the filtering bags
- Robust and fully sealed construction to guarantee safe and reliable operation over time



Fluid mechanics analysis example.





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