

Cyclone filter house JCE

Product Brochure

Jeven
Top ventilation for top chefs

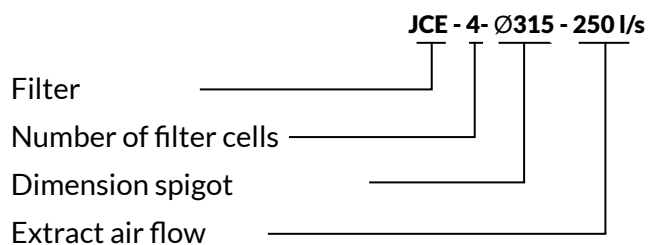


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SPECIFICATION

The number of filter cells is dimensioned by the extract air flow. Recommended pressure loss over the filter house is 40-60 Pa. Filter house JCE is available in sizes for 2 to 8 filter cells. JCE-2 to JCE-8.

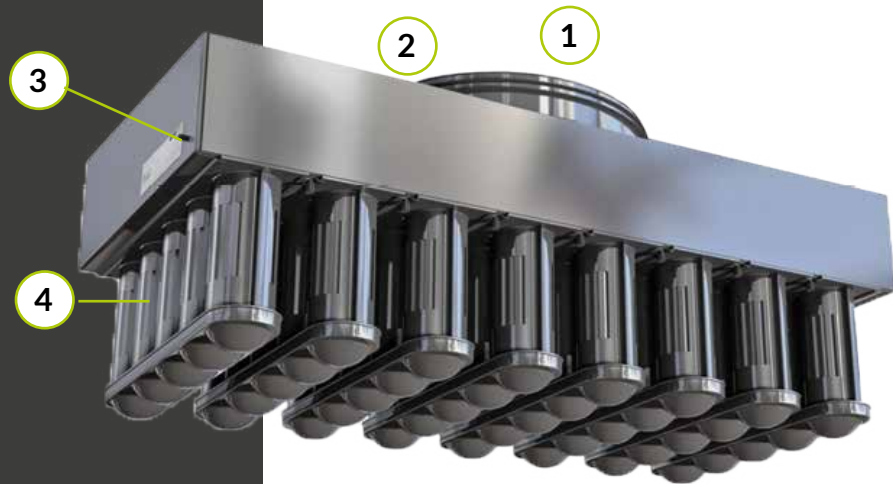


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CYCLONE FILTER

CONSTRUCTION

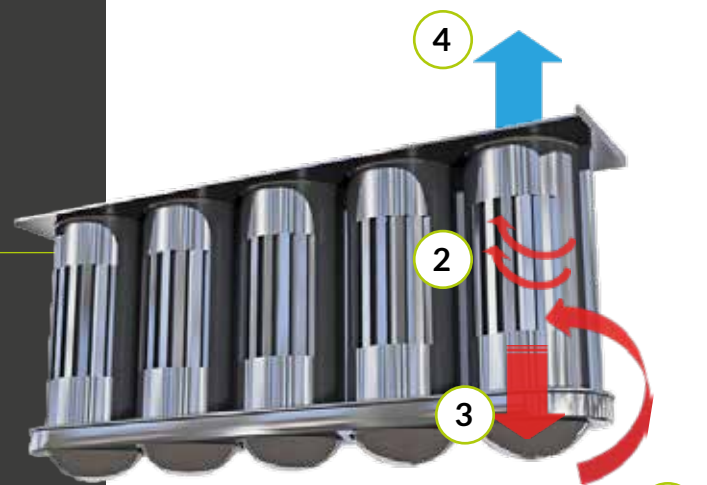
- 1 Spigot
- 2 Balancing dampers
- 3 Measuringment tap
- 4 Cyclone filter cell



CYCLONE FILTER

FUNCTION

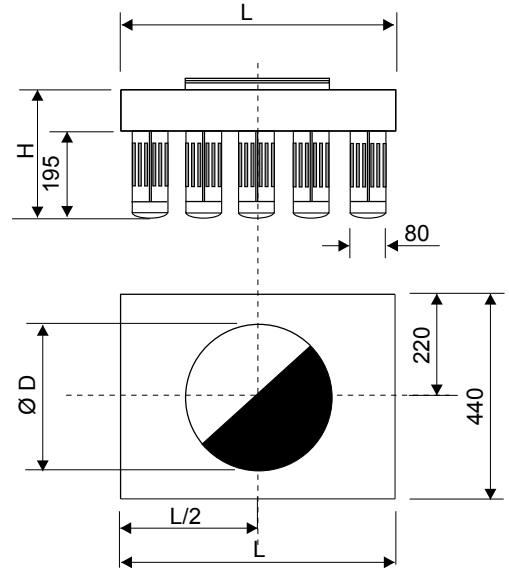
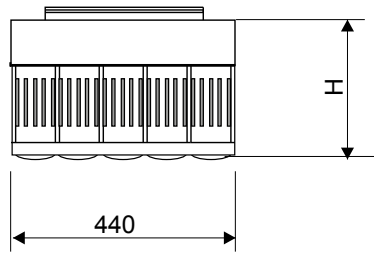
- 1 Greasy air enters the Cyclone filter.
- 2 As the airflow circultaes with high speed in the filter, the grease separates into the filter walls thanks to centrifugal force.
- 3 Grease and dirt pour from the wall down to the grease cup.
- 4 Clean air is exhausted into the ducts.



EXTRACT AIR

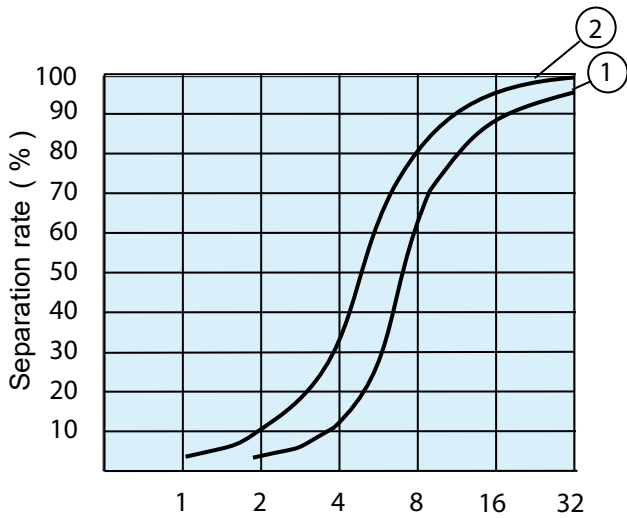
CYCLONE FILTER

Dimensions and recommended air flows



	L mm	H mm	ØD mm	Number of filter cells	Recommended air flow	
					l/s	m ³ /h
JCE-1	245	295	200	1	40-70	144-250
JCE-2	245	295	200	2	70-140	250-500
JCE-3	360	295	315	3	140-210	500-755
JCE-4	475	295	315	4	210-270	755-970
JCE-5	590	295	315	5	270-340	970-1220
JCE-6	705	295	400	6	340-400	1220-1440
JCE-7	820	295	400	7	400-465	1440-1670
JCE-8	935	295	400	8	465-530	1670-1900

Separation rate



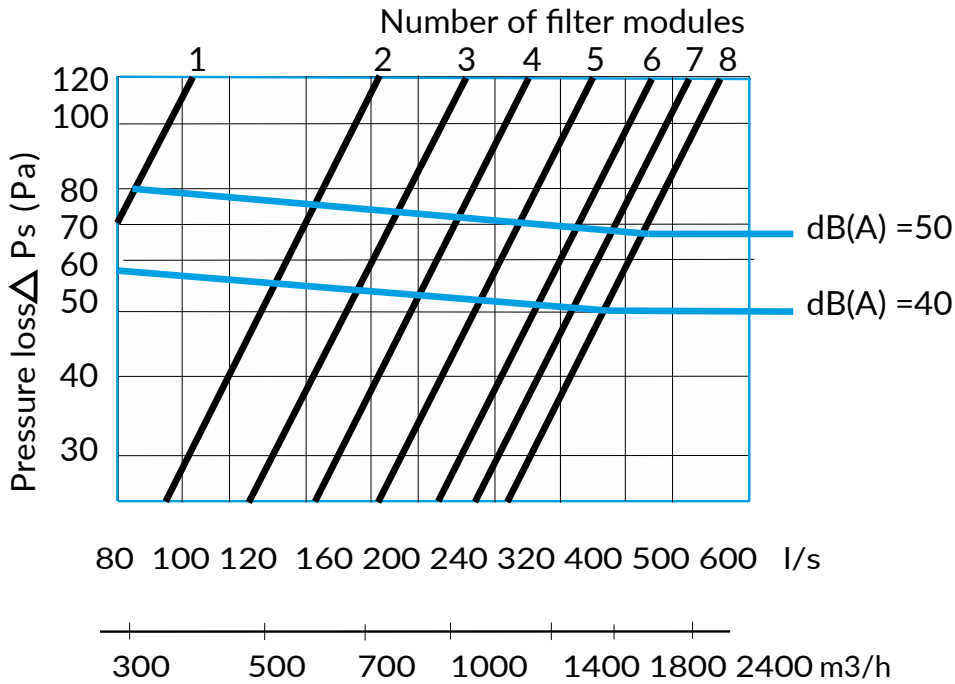
Cyclone filter separation rate
(standard: VDI 2052 Part 1)

- ① Pressure loss = 50 Pa
- ② Pressure loss = 200 Pa

EXTRACT AIR

CYCLONE FILTER

Pressure loss and sound data



The sound power level **L_w** in each octave band is obtained by adding the correction factor **K_{ok}** to the actual sound level. **L_{pA}**

$$L_w = L_{pA} + K_{ok}$$

Correction factor **K_{ok}**

Hz	125	250	500	1000	2000	4000
K _{ok}	6	5	4	-2	-9	-16
tol.	±3	±3	±2	±2	±3	±4

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