

A cost-efficient, robust solution that gives you the benefit of high productivity and savings

The CE Series is a well proven design and an efficient pulse-jet cleaning system. Central Jet Pulse filters are modular bag filters in which the dust-laden air enters through the base or side of the casing and is evenly distributed between the filter bags. This ensures a smooth flow of both coarse and fine particles into the filter.

Benefits

Efficiency

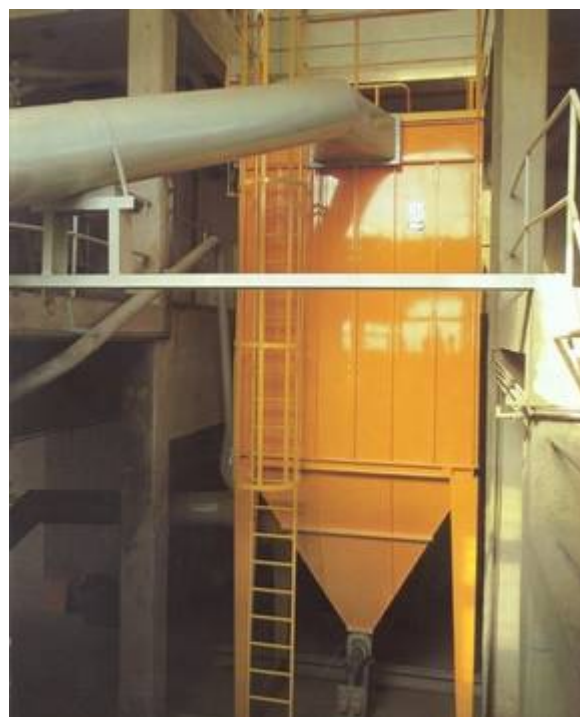
- The pulse jet system automatically cleans the bags row-by-row even as the dust is being filtered. The advantage is that the filter continues to work for you while the bags are being cleaned.

Savings

- Being a low maintenance solution, the CE needs minimum downtime. This means continuous plant operations for you.
- The filter control system helps maintain a low pressure drop – helping you save both compressed air and energy.
- The filter module comprises 3, 4 or 5 rows, each with 7 cylindrical bags mounted on wire cages 3 m in length and 127 mm in diameter. Type CE 1 comprises 1, 2,4 or 6 basic modules, Type CE 2, an even number of 8-20 modules

Flexibility

- You can separate almost any kind of dust – fine, abrasive or explosive.



Features

- Capacity: 1.500 – 75.000 m³/h
- Filter size (CE1): 24 – 252 m² filter surface
- Filter size (CE2): 322 – 885 m² filter surface
- Standard 4.5% vacuum (450 mmWC), CEH 10%, CEC 15%
- Pressure shock resistance (CEC): Up to 0,4 bar
- Works on both dry and sticky products
- Available in two support heights or as a bunker filter.
- Indoor installation with explosion vent following European standard EN14491 or the German guidelines VDI 3673

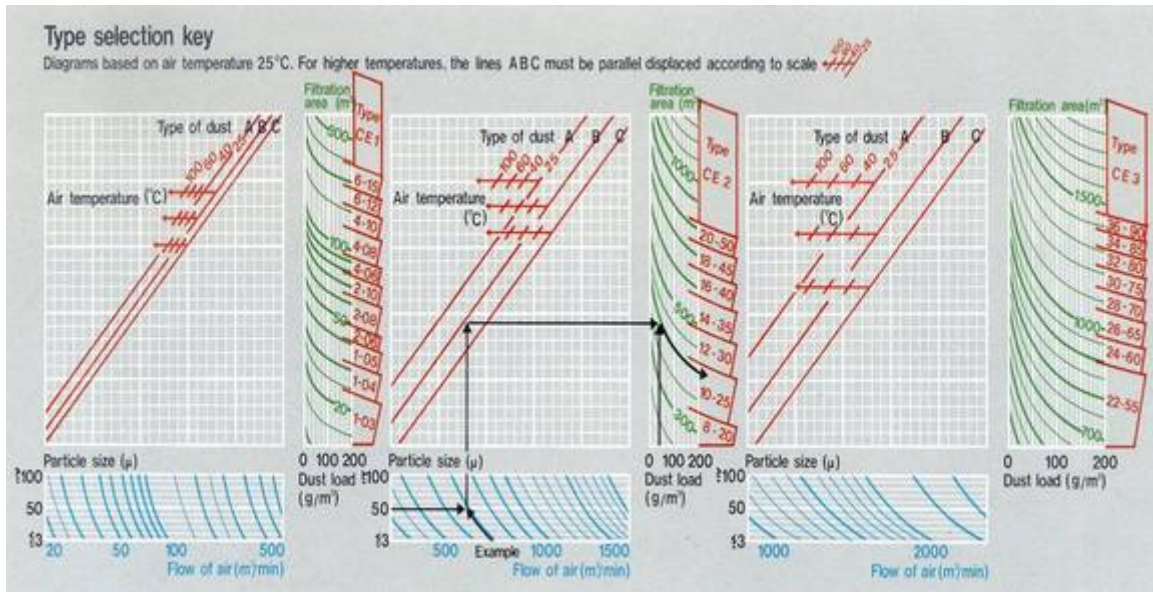
Types and limitations:

Types:	Dust load:
CE1	<100 g/m ³
CE2	<100 g/m ³
CEH2	<700 g/m ³
CEC2	<700 g/m ³

Industries we serve for emission control and product recovery (detailed industry segments on our homepage)

- Cement & Lime
- Food & Dairy
- Grain & Feed
- Speciality Powder
- Energy & Waste
- Chemical & Mineral resources

Dimensioning:



Type of dust

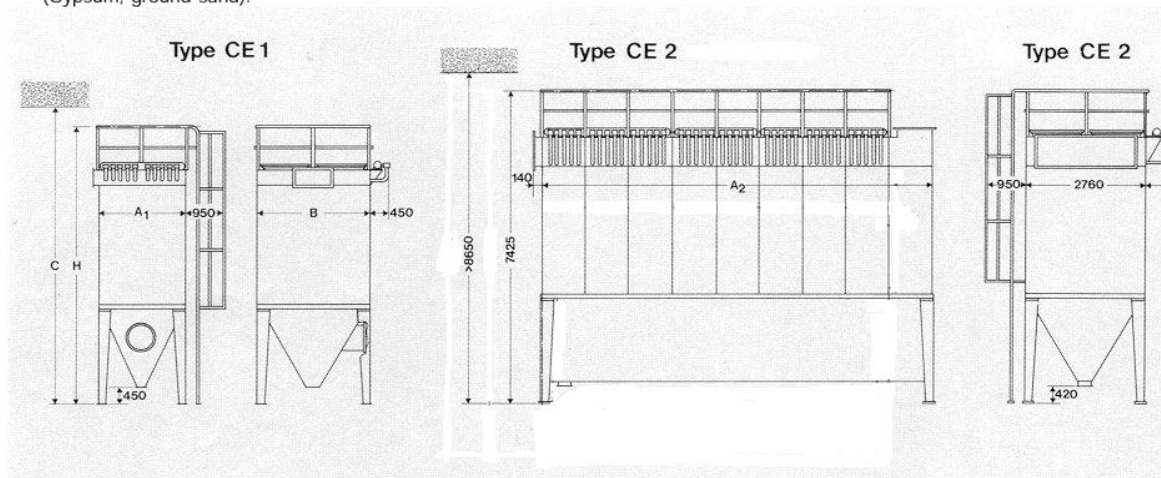
- A Non-agglomerating dust (Fly ash, metal oxides)
- B Partially agglomerating dust (Cement, coal, limestone)
- C Heavily agglomerating dust (Gypsum, ground sand).

Example

700 m³ min. air (25°C) containing coal dust particles (dust type B), average size 50µ (microns), dust load 40 g/m³, to be dedusted.

Solution :

FLS Jet Pulse Filter, Type CE 2, Filtration area 400 m², Size 10 - 25.



Type CE 1					Type CE 2					
Size	Dimension				Filtration area [m ²]	Consumption of compressed Air [Nm ³ /h]	Size	A ₁	Filtration area [m ²]	Consumption of compressed Air [Nm ³ /h]
	A ₁	B	C min	H						
CE1-1-03					25,2	4	CE2-8-20	5120	336	46
CE1-1-04					33,6	5	CE2-10-25	6120	420	57
CE1-1-05	1120	1440	7450	5925	42	6	CE2-12-30	7120	504	68
CE1-2-06					50,4	7	CE2-14-35	8120	588	80
CE1-2-08					67,2	10	CE2-16-40	9120	672	91
CE1-2-10	2120	1440	7950	6425	84	12	CE2-18-45	10120	756	102
CE1-4-06					100,8	14	CE2-20-50	11120	840	115
CE1-4-08					134,4	19	CE2-22-55	12120	924	125
CE1-4-10	2120	2760	8550	7025	168	23				
CE1-6-12					201,6	28				
CE1-6-15	3120	2760	8850	7325	252	34				

For larger filter sizes, please contact Simatek's sales department