

## Modular filters

JKF's modular dust filters are bag filters. Modular filters can have up to 30 single or double modules, and with various discharge systems: silo, blow through, bag emptying, rotary valve, screw or chain.

They are made of 1.25 and 2 mm galvanised sheet metal.

The standard filter medium is PE40/PE25 bags. The filters are available with different bag lengths, depending on requirements.

The exhaust dampers has a 69°C thermal protection fuse and micro-switch connected to the plant's main fan.

The number of exhaust dampers and doors depends on the number of modules. See table.

No. of modules	No. of exhaust dampers		No. of doors	
	Single	Double	Single	Double
1	1	1	1	1
2	1	1	1	2
3	1	2	2	3
4	2	2	2	4
5	2	3	3	5
6	3	3	3	6
7	3	4	4	7
8	4	4	4	8
9	4	5	5	9
10	5	5	5	10
11	5	6	6	11
12	6	6	6	12

### Optional extras

Chain filter type CDF is fitted as standard with a regeneration fan for cleaning filter bags. Other modular filters are available with shaker device or ø450 mm regenerating fan for cleaning the filter bags (ø600 for EX).

Filter height is increased by 150 mm if a shaker device is fitted. The height is increased by 300 mm if a regenerating fan is fitted.

### ATEX

Modular filters are not ATEX-approved.

### Operating range

Pressure:	+ 2500 Pa
Filter area:	15.5-1740 m <sup>2</sup>
Max. operating temperature:	70°C
Min. operating temperature:	- 20°C

### Connection

#### Motor:

Regenerating fan

ø450 1.5 kW, 2900 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 3.2 A

ø600 1.5 kW, 1450 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 3.2 A

Shaking mechanism

0.75 kW, 121 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 2.2 A

Screw

0.55 kW, 22 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 2.5 A

Chain

0.75 kW, 17.5 min<sup>-1</sup>, 3 x 400 V, 50 Hz, 2.2 A

State number of modules, single or double, filter height/bag length, number of exhaust dampers and doors, location of supply air and any optional extras when ordering.

If several fans are used for the same filter, a JKF contra-damper must be used on the inlets.