

## 3. INDUSTRIAL FILTRATION (M-SERIES)

### 3.11. TYPE M2000-4-96

#### DESCRIPTION

- four-box shaped dust collector for central filtration
- suitable for various industrial areas with non-stop operation (energy, building industry, foundries, welding, chemical and food industry etc.)

#### OPERATION QUALITIES

- flow rate 27 000 - 42 000 m<sup>3</sup>/h
- filter area 632 m<sup>2</sup>
- residual dust concentration at the output <10 mg/m<sup>3</sup>
- temperature resistance -20 °C / +80 °C
- compressed air needed 6 bar, consumption 14-16 Nm<sup>3</sup>/h
- pressure loss 1500 Pa

#### DESIGN

- 4x filter box made of carbon steel
- standalone fan with vibration joints and dampers
- filter element: 96x filter cartridge made of polyester in basic design diameter 156 mm, length 2000 mm
- air tank with JET-PULS filter cartridges recovery and timer
- electromagnetic valve (16 pcs), safety valve (4 pcs), pressure regulator (4 pcs)
- pressure air connection: internal thread G ½"
- 4x pressure switch to indicate the filter cartridges are plugged
- electric control box: 3 x 400 VAC, 50 Hz
- dust hopper with support construction
- piping to the fan included

#### ADDITIONAL ACCESSORIES

- rotary feeder or dust collection box
- service platform for easy maintenance
- ATEX, food or chemical industry design
- non-standard temperature design -40 °C / +150 °C

Flow rate (m <sup>3</sup> /h)	Fan (kW)	Fan underpressure (Pa)	Filter surface load (m <sup>3</sup> /m <sup>2</sup> /min)
27 000	45,0	4 200	0,70
27 000-34 000	55,0	3 600	0,90
34 000-42 000	75,0	3 600	1,10



Dust collector M2000-4-96 is a four box-shaped device. It is used for central filtration in various industrial areas with non-stop operation. It is equipped with the standalone fan and dust hoppers with support construction.

