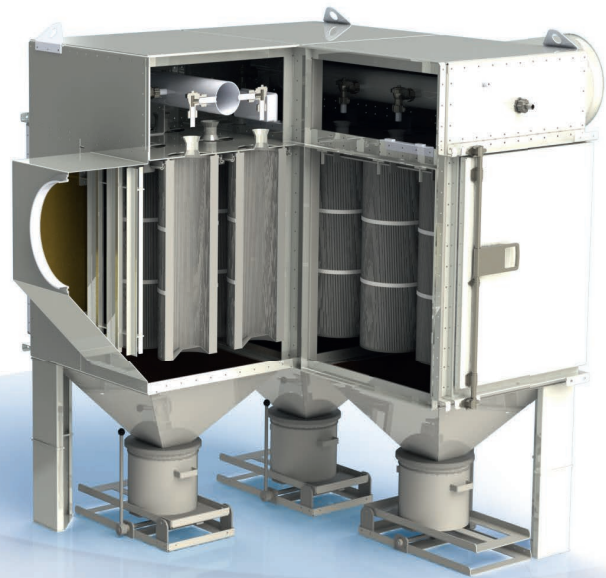


# Pat-Jet Easy Access

For the necessary ventilation of blasting and metallization cabins, compressed air-cleaned dust collectors are the best solution. We offer a complete dust collector line together with high efficiency centrifugal fans. Depending on the kind of blasting/metallizing process in combination with the blast media or metallic wires, a selection is made to ensure optimal removal of dust during blasting or metallizing operation. The unit can be installed inside the factory or outdoors.



## SPECIFICATION

### HOUSING

- The Pat-Jet Easy Access filter is constructed of 5 mm thick steel S235JR (1.0037)
- Door(s), hopper(s), inlet and panels are 3 mm thick steel S235JR (1.0037)
- Hopper has standard 50° slope with 150 mm discharge, unless otherwise specified.
- Painted inside and outside for weather/corrosion resistance, unless otherwise specified.
- Optional: baked on powder coat paint. All carbon steel components are shot-blasted prior to powder coating for maximum adhesion of the paint.

### AUTOMATIC FILTER CLEANING

- Filters are automatically back-flush cleaned with periodic pulses of compressed air.
- Vertical design of the cartridges provides more efficient pulsing of dust, thus eliminating uneven dust loading associated with horizontally mounted cartridges.
- Powerful cleaning system, including 6" manifold, nozzled purge pipes, diaphragms and solenoid valves in ATEX execution.

### FILTER CARTRIDGES

- The filter material is a 100% polyester spun-bond filtermedia. This filter material is very rugged and has a high burst strength. 100% spun-bond media makes pulse cleaning easier and runs with lower pressure drop.
- Maximum temperature resistance: 120°C (dry) / 90°C (wet).
- BIA Filter Classification: M
- Multiple filter media options and pleat spacing are available to best suit your specific application and dust.

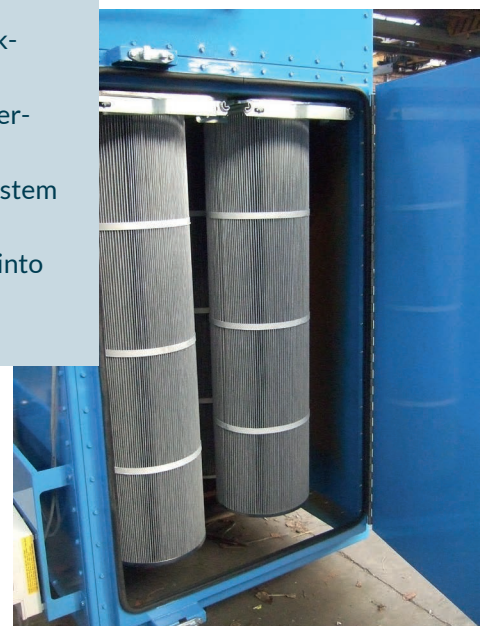
### FILTER ACCESS

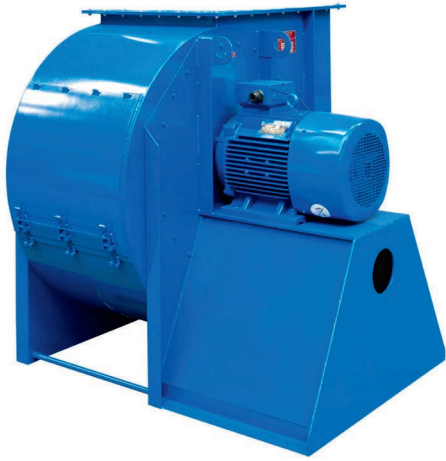
- Tool-less quick-open access door(s) to super-fast cartridge change-out system that does not require entry into the collector.
- Cam-operated clamp bars provide easy filter clamping and sealing.

### DUST DISCHARGE

In general, dust discharge is executed with a conical flap valve in a dustbag. Other devices are for instance a steel dustbin with quick clamps, a steel dustbin with tension frame underneath, rotating air-locks, hand-operated butterfly valve with 200 liter drum, screw conveyors, etc. If a Big-Bag solution is required, filters will be executed with higher supporting legs.

Tool-less quick-open access door(s) to super-fast cartridge change-out system that does not require entry into the collector.





## FAN AND E-MOTOR

- Chicago Blower fan is mounted on top of the filter housing or beside the filter when insufficient height is available.
- Direct driven impellers
- E-Motors IE3 or frequency controlled
- The air is blown out horizontally or vertically
- Optional: spark resistant inner side of the fan, according to AMCA-C

## OPTIONS

### ATEX SAFETY

- When required a non-return valve at the inlet of the filter is situated. This non-return valve is designed to prevent propagation of the pressure wave and the flame which is caused by deflagration. In such a manner, it is possible to isolate volumes from one another in a process. This non-return valve is of the passive type. It has no control, monitoring and functional indications necessary.
- Filter installations with pneumatic cleaning systems and a very high vacuum operation require an explosion vent that withstands vacuum and positive pressure cycling for a long time. For such requirements we use a domed design which enables negative pressure resistance without the need for an extra vacuum support.
- Plenum mounted on the side of the Pat-Jet Easy Access filter module. This plenum provides a surface suitable for mounting the explosion vent for a vertical discharge configuration. This is useful for situations that require through the roof venting or where a horizontal discharge would violate ATEX guidelines with respect to venting towards obstructions or occupied areas.
- Duct cover for vertical explosion ducts to prevent water from entering the duct.



### SAFETY FILTER

On the outlet of the fan it is possible to mount a safety filter with fine filters F9 or HEPA filters H13. The filter housing is side accessed for maintenance. Includes 1 analogue pressure gauge 0-500 Pa.

### SILENCER

On the outlet of the fan a silencer can be mounted, with a transition piece. The outlet is provided with a beveled discharge duct with bird netting.

[www.naaykens.com](http://www.naaykens.com)

T +31 (0)13 54 25 002

E [info@naaykens.com](mailto:info@naaykens.com)