



# TRANSPORTABLE DUST COLLECTORS

Cartridge filter type PAT-JET® EA (Easy Access) Series

**The Pat-Jet 10/25-EA TR filter is a transportable cartridge filter, which is continually cleaned by compressed air blasts. The Pat-Jet 10/25-EA TR can be used for blasting and metalizing activities.**

This continual cleaning prevents contamination of the filter cartridges and decrease of the suction capacity via contamination caused by the sucked-up dust particles. The filter is provided with an inspection hatch, sprayed with a primer and topcoat in RAL 5010 blue (except for the control cabinet, this is finished in RAL 7032 grey).

## Operation principle

The heavier dust particles are separated by a baffle plate in the inlet box. This also acts as a pre-separator. The air with finer dust particles is spread over the filter cartridges. Via the compressed air distribution pipes above the cartridges in the clean air section, also known as venturi tubes, a shot of compressed air cleans the filter cartridges. A manifold provides the needed air volume for cleaning of the cartridges. Onto this manifold the electro-magnetically-operated membrane valves are connected which passes the air to the air distribution pipe. The chronological operation of the membrane valves occurs electronically. The interval and impulse times can be set for optimum cleaning frequency, depending on the contamination. The separated dust is collected in the dust collection hopper(s) with a dust bin connection.



3 x Ø 300 Inlets



Caption



Caption



Control cabinet



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## Filter Access

Easy to-open access panels 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.

## Technical details

Pat-Jet 10/25 EA TR, transportable filter, outdoor arrangement.

Surrounding baseframe with dimensions approx. LxWxH=2450x1850x5000 mm

Baseframe with holes for forklift and hoisting lugs. On top with closed cover plate.

## Pat-Jet® filter with:

- 10 Antistatic filtercartridges 25m<sup>2</sup>, 0456.140212, total filter area: 250m<sup>2</sup>
- Manifold with 10 diaphragm valves 1"
- Pilotbox with 10 solenoidvalves 24VDC and heating element 230VAC - 120W
- Pulse controller 230VAC
- Filterregulator 1/2" with manometer 0-10 bar
- Minihelic 0-3 kPa
- Explosion vent
- Preseparator with baffleplate and 3 inlets (Ø300)
- 3 Inlets provide with direct hose connection
- Inspection hatch for maintenance
- Steel dustbin with quick-clamps
- Earthing bolt on leg
- Fan on top of the filter
- Fan design 510, B222, cl.3, arr.4, CCW
- Cap: blasting: 15.000 m<sup>3</sup>/h at 3490 Pa, N=19,2 kW
- Metallization: 12.500 m<sup>3</sup>/h at 3870 Pa, N=17,8 kW
- Motor 22kW, 2950 rpm, IE3, B5, 400/690V, make BP with heating 50W
- Fan in spark-free arrangement acc. AMCA-C
- Silencer on outlet CB 500 (Length = 500mm) with transition piece and beveled outlet with grid



Front side view Pat-Jet® EA Series



Rear side view Pat-Jet® EA Series

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