



# PROTECTING PERFORMANCE

## TURBOMASTER EPA

*Eagle Filters' TurboMaster EPA is a new era in static filtration replacing ineffective and high pressure drop pulse filters to absolute cleanliness securing static filtration system without changing any construction of the air intake housing.*

Pulse filters are widely used in power generation because of their low cost construction and regenerative nature. When an environment is moist and the filtered dust consists of urban or industrial emissions, e.g. hydrocarbons, soot etc, the pulse filters suffer. The initial efficiency of traditional pulse filter material is extremely low compared to EPA material and pulse materials tend to let water, salt and dirt through to the clean air plenum when operating in moist conditions.

Eagle Filters' TurboMaster is three-stage static filter consisting of a F5 pre-filter sock at the outside together with a water resistant high efficiency material on the inside. Multilayer construction improves serviceable life comparable to F-class pulse filters.

It is therefore possible to have a filtration system that is superior in efficiency to pulse filters and unique structure is securing mechanical integrity in all environmental conditions.

In most cases the Eagle Filters' TurboMaster can replace existing pulse filters without any construction change to the existing mounting system.

| <u>Parameter</u>                     | <u>TurboMaster E10</u>  | <u>TurboMaster E11</u>  | <u>TurboMaster E12</u>  |
|--------------------------------------|-------------------------|-------------------------|-------------------------|
| Material                             | Synthetic/<br>Glass mix | Synthetic/<br>Glass mix | Synthetic/<br>Glass mix |
| Electrostatic charge                 | No                      | No                      | No                      |
| Filter class (EN1822)                | E10                     | E11                     | E12                     |
| Initial Efficiency@MPPS              | >85%                    | >95%                    | >99,5%                  |
| Initial Pressure Drop [Pa] 2500 m3/h | 195 Pa                  | 250 Pa                  | 290 Pa                  |
| Water Repellency                     | >900 mmWC               | >900 mmWC               | 1000 mmWC               |



DISCLAIMER: The information supplied in this document is for guidance only and should not be construed as warranty. All users of the filters are responsible for assuring that it is suitable for their needs environment and end use. All data is subjected to change as Eagle Filters Oy deems appropriate. Please visit [www.eaglefilters.fi](http://www.eaglefilters.fi) for contact information.