

# TRINITEX® ADVANCE W3000

Pure Air for Power

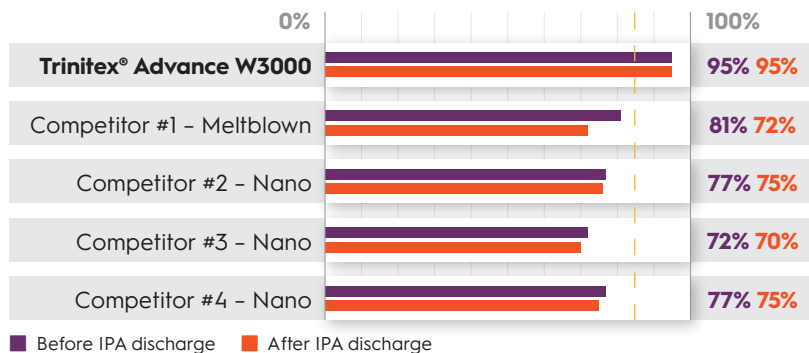
**Trinitex® Advance** has the ability to combine EPA efficiencies, whilst delivering highest protection of the gas turbine in all demanding environmental conditions.

Created by Ahlstrom-Munksjö specifically for the power generation market, Trinitex® Advance W3000 is a unique gas turbine filtration product, designed for pulse jet applications to deliver EN1822 Efficiency E10 Class.

## Benefits

- ⊕ **Higher particulate removal efficiency** – reducing corrosion and delivering better protection of the turbine against dust particles and salt
- ⊕ **Higher efficiency at equivalent level of pressure drop** – helping to maximize output and minimize energy consumption
- ⊕ **Better performance in humid environments preventing liquid water ingress through filters** – reducing penetration of waterborne salts and limiting pressure drop peaks during conditions of high humidity
- ⊕ **Better media durability and extended pulse jet cleaning properties** – delivering longer filter lifetime in demanding environmental conditions

## Trinitex® Advance W3000 delivers higher particulate removal efficiency

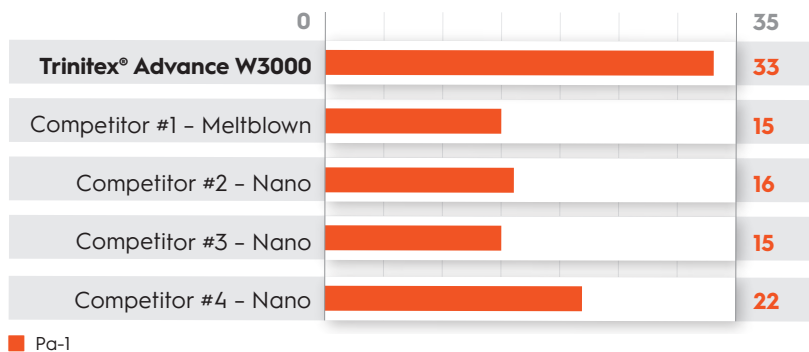


Competitive products valid for pulse jet are in the best cases F9 (70%@0.4µm).

**Trinitex® Advance W3000 is a true E10** according to EN1822, reaching **95%@0.4µm (85% MPPS)**.

Clean air after the filter is **6 times less polluted** than when a F9 filter is used.

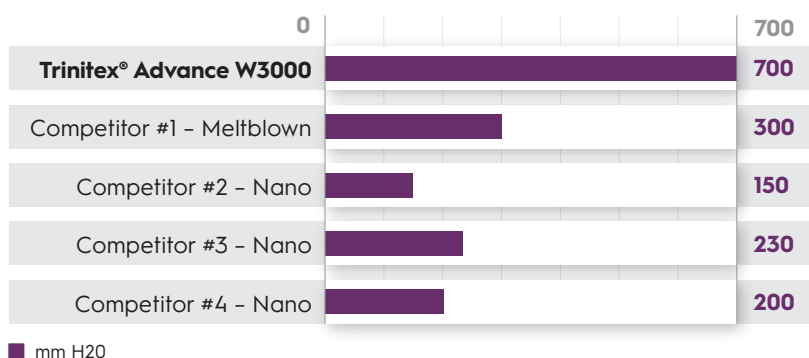
## Trinitex® Advance W3000 delivers higher efficiency at equivalent level of pressure drop



**Delivers 2 times better Quality Factor** than competitive products, offering E10 efficiency for a pressure drop of F9.

**Delivers better protection** of the gas turbine without consuming more energy.

## Trinitex® Advance W3000 delivers better performance in humid environments



**Delivers >250% higher level of water repellency**, removing liquid droplets and salt content in the air flow.

**Delivers longer filter lifetime** in humid conditions.

**Trinitex® Advance W3000 is the only oil repellent material**, delivering enhanced ability to repel oily/sticky droplets and particles.

All above data generated from internal testing.

| PHYSICAL PROPERTIES      | UNITS                                  | TEST METHOD                   | TARGET        |
|--------------------------|--|-------------------------------|---------------|
| Grammage                 | lbs /3000 ft²                          | WSP 130.1 (09)                | <b>52.2</b>   |
| Thickness (0.5 kPa)      | mils                                   | WSP 120.6 (09)                | <b>21.7</b>   |
| Air Permeability (125pa) | cfm                                    | WSP 70.1 (08)                 | <b>14.8</b>   |
| Dry MD Tensile Strength  | lbs/inch                               | SCAN-P 38:80                  | <b>13.6</b>   |
| Dry CD Tensile Strength  | lbs/inch                               | SCAN-P 38:80                  | <b>7.1</b>    |
| Dry MD Stiffness         | mg                                     | WSP 90.2 (09) (Gurley method) | <b>660</b>    |
| Dry CD Stiffness         | mg                                     | WSP 90.2 (09) (Gurley method) | <b>250</b>    |
| Mean Flow Pore MFP       | micron                                 | ASTM F316                     | <b>9.0</b>    |
| Water Repellency         | minute                                 | WSP 80.11 (09) (Mason Jar)    | <b>&gt;90</b> |
| Efficiency               | %MPPS (Max. Particle Penetration Size) | EN1822                        | <b>&gt;85</b> |

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