

TRINITEX[®] ADVANCE W3000

Pure Air for Power

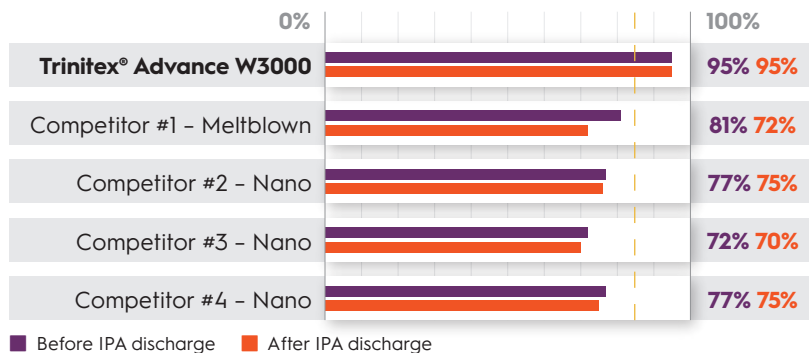
Trinitex[®] Advance has the ability to combine EPA efficiencies, whilst delivering highest protection of the gas turbine in all demanding environmental conditions.

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

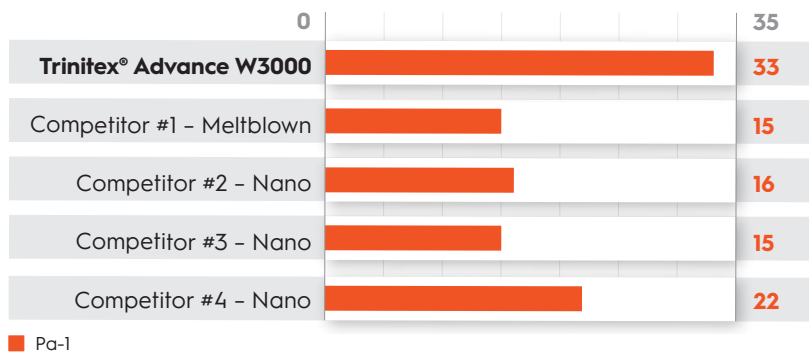


Competitive products valid for pulse jet are in the best cases F9 (70%@0.4µm).

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.

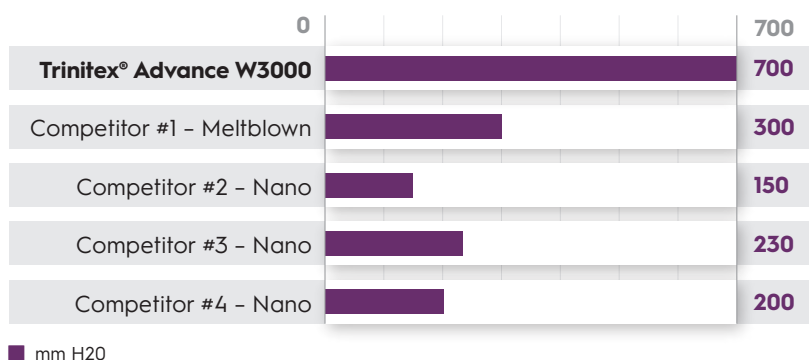
Trinitex® Advance W3000 delivers higher efficiency at equivalent level of pressure drop



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	gsm	WSP 130.1 (09)	85
Thickness (0.5 kPa)	micron	WSP 120.6 (09)	550
Air Permeability (200pa)	l/m ² /s	WSP 70.1 (08)	120
Dry MD Tensile Strength	N/m	SCAN-P 38:80	2430
Dry CD Tensile Strength	N/m	SCAN-P 38:80	1265
Dry MD Stiffness	mg	WSP 90.2 (09) (Gurley method)	660
Dry CD Stiffness	mg	WSP 90.2 (09) (Gurley method)	250
Mean Flow Pore MFP	micron	ASTM F316	9.0
Water Repellency	minute	WSP 80.11 (09) (Mason Jar)	>90
Efficiency	%MPPS (Max. Particle Penetration Size)	EN1822	>85

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