TURBO-TEK™

MINIPLEAT PANEL FILTERS



Donaldson
FILTRATION SOLUTIONS

GAS TURBINE SYSTEMS

DONALDSON HELPS KEEP YOU RUNNING

Durable and easy to install, Donaldson panel filters are a high efficiency solution for static filtration. With high dust loading capacity and low initial and operating pressure drop, they help keep operating costs low and reduce maintenance time.

Our wide breadth of first-fit and aftermarket products and services provide the convenience of a single supplier and one contact for service and trouble-shooting. Filtration is our focus – it's all we do – and for over a century, customers around the globe have depended on us to help with their filtration needs.



A FILTER RATING SYSTEM THAT BRINGS MORE POWER TO YOU!

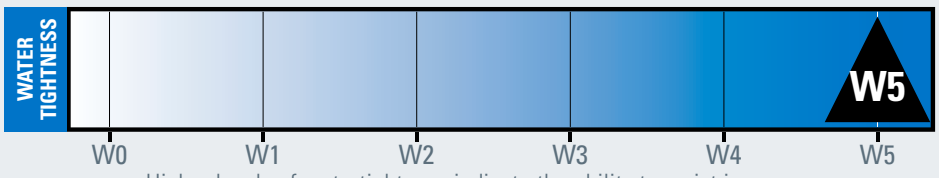
A simple way to select the right filtration solution for your facility's unique needs.

Efficiency
Percent of particulates captured from incoming air



Higher levels of filtration efficiency indicate increased particulate filtration.

Watertightness
Resistance to water ingress, which can carry damaging dissolved contaminants



Higher levels of watertightness indicate the ability to resist ingress and provide a more stable pressure drop when challenged with water.

What's your optimal filtration rating?

Key Benefits

Higher Power Output and Increased Turbine Availability

- Turbo-Tek technology helps optimize power output by eliminating performance-reducing deposits in your compressor section. Their outstanding filtration efficiency reduces power loss while improving fuel economy. Machine availability and reliability are significantly increased as off-line compressor washing frequency is reduced.

Reduced Fuel and Maintenance Costs

- These high efficiency filter elements significantly reduce maintenance costs while increasing compressor and turbine life. Unlike current air intake filters, they provide increased efficiency which reduces unexpected failures and major outages by preventing fine and corrosive particulate from reaching the compressor blades.

Water and Oil Resistant Media

- Fully watertight and water and oil resistant with a vertical pleat orientation that helps promote superior water drainage.



Minipleat Panel Series Grade M6 - H13

Minipleat Panel Series

Available with water and oil resistant media, these filters are designed so moisture accumulates over the media and drains down the vertical pleat packs, minimizing carry-over.

Technical & Construction Data

Standard Version 292mm (12") 592x592x292mm (24"x24"x12")	Turbo-Tek Er1 | W5	Turbo-Tek Er2 | W5	Turbo-Tek Er2 | W5	Turbo-Tek Er3 | W5	Turbo-Tek Er4 | W5	Turbo-Tek Er5 | W5	Turbo-Tek Er5 | W5	Turbo-Tek Er5 | W5
Filter Area (m^2 /ft^2)	18 / 194	18 / 194	18 / 194	18 / 194	18 / 194	18 / 194	18 / 194	19 / 205
Initial Efficiency	30% @ 0.4µm	35% @ 0.4µm	55% @ 0.4µm	70% @ 0.4µm	> 85% @ M.P.P.S.	> 95% @ M.P.P.S.	> 99.5% @ M.P.P.S.	> 99.95% @ MPPS
Avg. Efficiency (0.4 µm)	60–80%	≥ 80%	≥ 90%	≥ 95%	> 99%	> 99.9%	> 99.9%	> 99.95%
Initial DP @ 2,000 cfm (Pa/"wg)	64 / 0.26	95 / 0.38	102 / 0.41	137 / 0.55	164 / 0.66	250 / 1.00	337 / 1.35	350 / 1.40
Rec Final DP (Pa/"wg)	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5
Grade	EN779:2012 = M6	EN779:2012 = F7	EN779:2012 = F8	EN779:2012 = F9	EN1822 = E10	EN1822 = E11	EN1822 = E12	EN1822 = H13
Burst DP (Pa/"wg)	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25
Deep Version 440mm (17") 592x592x440mm (24"x24"x17")	**Turbo-Tek Er1 | W5**	**Turbo-Tek Er2 | W5**	**Turbo-Tek Er2 | W5**	**Turbo-Tek Er3 | W5**	**Turbo-Tek Er4 | W5**	**Turbo-Tek Er5 | W5**	**Turbo-Tek Er5 | W5**	**Turbo-Tek Er5 | W5**
Filter Area (m^2 /ft^2)	29 / 312	29 / 312	29 / 312	29 / 312	29 / 312	29 / 312	29 / 312	29 / 312
Initial Efficiency	30% @ 0.4µm	35% @ 0.4µm	55% @ 0.4µm	70% @ 0.4µm	> 85% @ M.P.P.S.	> 95% @ M.P.P.S.	> 99.5% @ M.P.P.S.	> 99.95% @ MPPS
Avg. Efficiency (0.4 µm)	60–80%	≥ 80%	≥ 90%	≥ 95%	> 99%	> 99.9%	> 99.9%	> 99.95%
Initial DP @ 2,500 cfm (Pa/"wg)	79 / 0.32	89 / 0.36	115 / 0.46	130 / 0.52	163 / 0.65	194 / 0.78	300 / 1.20	304 / 1.22
Rec Final DP (Pa/"wg)	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5	625 / 2.5
Grade	EN779:2012 = M6	EN779:2012 = F7	EN779:2012 = F8	EN779:2012 = F9	EN1822 = E10	EN1822 = E11	EN1822 = E12	EN1822 = H13
Burst DP (Pa/"wg)	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25	6250 / 25



DONALDSON. MORE POWER TO YOU.

Comprehensive Technical Capabilities

- Extensive product and service portfolio
- Advanced filter media technology for optimal performance
- Engineering and design support
- Customization capabilities

Unrivaled Operations and Maintenance Support

- Filter testing and reporting
- Technical Field Advisor site inspections
- Dedicated service crews
- Comprehensive warranty
- Wide breadth of aftermarket filters, parts, and accessories

Extensive Global Reach

- 140 sales, manufacturing, and distribution locations globally
- Localized support for faster service and delivery
- Logistical and regulatory expertise

Important Notice
Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.

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