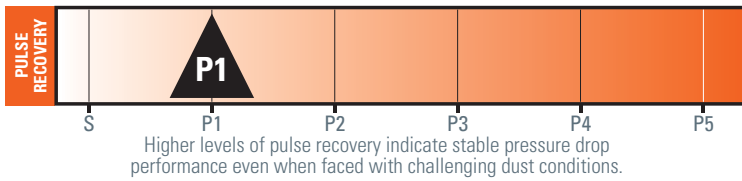
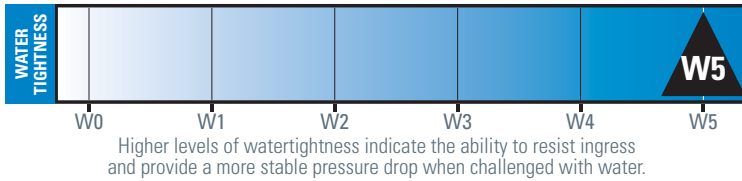
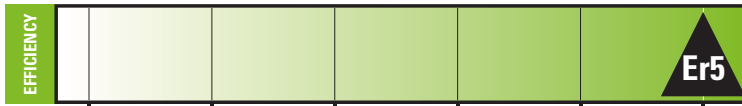


# TURBO-TEK™ Er5 | W5 | P1 Synthetic (H)EPA Media



## KEY FEATURES

- Uses Donaldson's proprietary (H)EPA media technology
- Captures over 99.5% of most penetrating particle size (MPPS) particles, virtually eliminating compressor blade fouling which results in stable power output and less turbine maintenance costs throughout the life of the filter
- Blocks water droplets from passing through the media, stopping salts and other corrosive water soluble contaminants from making their way to the turbine.
- Donaldson's proprietary Pleatloc™ design ensures uniform pleat spacing and contributes to low operating restriction throughout the life of the filter
- Extremely durable, resistant to burst at pressures that exceed OEM requirements
- Each filter element includes a precision molded gasket and a new gasket washer to ensure a robust sealing system.
- Each element includes a factory installed coalescer sleeve

Donaldson's proprietary **Turbo-Tek Er5 | W5 | P1** filter media is a premium composite filter media that delivers (H)EPA filtration efficiency and a water tight barrier. It is durable, pulse survivable, and moisture resistant. The construction of this filter media is designed to maximize capacity while minimizing operating restriction throughout the life of the filter element.



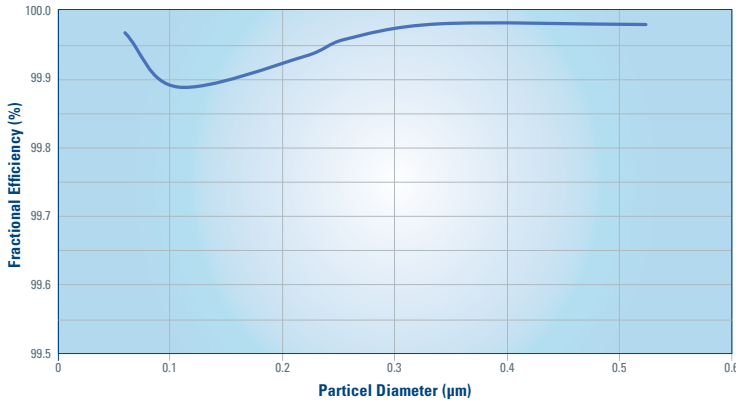
## APPLICATION RECOMMENDATIONS

**Turbo-Tek Er5 | W5 | P1** media is a synthetic media that acts as a barrier to water. It is a premium grade media that is designed for most environments where water tightness and (H)EPA filtration efficiency is desired. This media can be utilized in a wide variety of pulse cleaning and non-pulse cleaning inlet systems.

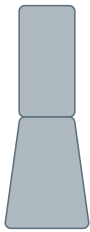
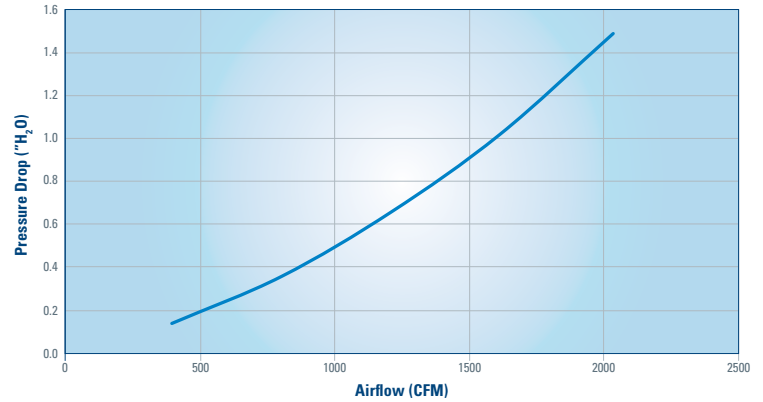
## KEY BENEFITS

- Optimal (H)EPA performance
- Increased output
- Lower heat rate
- Reduced blade fouling
- Watertight filtration in wet and coastal areas (on and offshore)
- Reduced corrosion
- Reduced long term operating costs
- High dirt loading capacity

**Efficiency**



**Pressure Drop**



**PERFORMANCE DATA**

Testing based on conical/cylindrical element pair at 1630 CFM / 0.77 m/s

EN1822 Rating	E12
ASHRAE 52.2 Rating	MERV 16
Initial Resistance with Pre-filter/Coalescer	1.15" wg / 286 Pascal

**SPECIFICATIONS**

Cylindrical	160 ft <sup>2</sup> / 14.9 m <sup>2</sup> of media
Conical	195 ft <sup>2</sup> / 18.1 m <sup>2</sup> of media
Filter Media	Synthetic (H)EPA Media

**PERFORMANCE DATA**

Efficiency rating is based on conical/cylindrical pair at 630 CFM / 0.77 m/s

EN1822 Rating	E12
ASHRAE 52.2 Rating	MERV 16
Initial Resistance with Coalescer Sleeve	0.95" wg / 237 Pascal

**SPECIFICATIONS**

Cylindrical	160 ft <sup>2</sup> / 14.9 m <sup>2</sup> of media
Filter Media	Synthetic (H)EPA Media

**PERFORMANCE DATA**

Testing based on 2,000 CFM / 0.94 m/s

EN1822 Rating	E11
ASHRAE 52.2 Rating	MERV 16
Initial Resistance with Coalescer Sleeve	1.4" wg / 349 Pascal

**SPECIFICATIONS**

Cylindrical	190 ft <sup>2</sup> / 17.7 m <sup>2</sup> of media
Filter Media	Synthetic (H)EPA Media

**Other non Donaldson filter configurations are available. All end caps and liners are available in either galvanized or stainless steel. Contact your sales representative for details.**

**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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**GAS TURBINE SYSTEMS**