HELPING KEEP TURBINES RUNNING ALL OVER THE WORLD.
DONALDSON HELPS KEEP YOU RUNNING

Donaldson is a leading supplier of engineered air intake systems for gas turbines and industrial compressors, for both new and retrofit applications. Our comprehensive technical capabilities, extensive global network, and unrivaled operations and maintenance support help optimize system performance and reduce total cost of ownership in ways no other supplier can match.

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.

Comprehensive Technical Capabilities

Donaldson is known for developing solutions for specialized applications and solving tough filtration challenges. With in-house engineering expertise and a constant investment in research and development, we continue to drive technological leadership with patented system designs and proprietary filter media such as our Spider-Web® and Turbo-Tek® products. The result is an ever-expanding line of filtration solutions that perform in any application or operating environment – providing you and your operation with:

• Maximum equipment protection, efficiency, and output
• Longer equipment and filter life for reduced downtime
• Reduced total cost of ownership over the life of your equipment
Unrivaled Operations and Maintenance Support

Our value extends beyond great products. Customers also depend on us for application expertise and our ability to solve their unique challenges. We provide support throughout the product life-cycle with an extensive offering of products and services, including:

- Filter testing and reporting services provide optimal system management and protection
- Technical Field Advisor (TFA) site inspections help anticipate challenges and avoid downtime
- Dedicated service crews deliver consistent, high quality service
- Comprehensive product warranty protection
- Extensive range of replacement filters, parts and accessories

Local Support on a Global Scale

Donaldson operates globally to deliver customized solutions and localized support where you need it, when you need it.

We have over 11,500 employees in 140 locations throughout the world. Each sales office, distribution center and engineering hub is staffed with representatives that speak your language, understand local regulations, customs and logistics, and can quickly diagnose and deliver the Donaldson solution your equipment requires. Our global network provides:

- Fast delivery, service, and time-to-market
- Localized support and consistent customer experiences
THE FIRST NAME IN FIRST FIT

Donaldson was the first to manufacture engineered air intake and pulse system components for gas turbines and industrial compressors. We have filtration systems to protect large turbines (up to 1.2 million cfm/2 million m³/h), small turbines, compressors, micro turbines, and everything in between. You will find our equipment in virtually every gas turbine application, including:

When combined with our proprietary filter media, there is no better protection for your critical equipment, or your bottom line.

Replacement Filters and Components
We supply high-quality filters and parts that meet or exceed original manufacturer performance and offer superior cost-to-quality ratios, including:

Cartridge Filters powered by our high-efficiency filter media

Panel & Compact Filters in a wide variety of shapes, sizes, and efficiencies to fit your space requirements. Leak-free, rigid, and non-metal parts

Pulse System valves, solenoids, and controllers

Inlet Hood Components bird screens, moisture separators, control panel upgrades, coalescing media and acoustic weather hoods

Filter Retention Hardware standard yokes, Quick Lock Yokes, and filter clips
Field Services
We provide maintenance on inlet systems regardless of manufacturer. Our certified crews have the products, tools, and training to help keep your system running at peak efficiency with minimal downtime. We offer:

- Filter/pre-filter changeout
- Evaporative cooler media changeout
- Component replacement
- Air intake and evaporative cooler system maintenance
- System inspection and check-up
- Coatings and corrections

Conversions, Modifications and Upgrades
Having performed hundreds of upgrades and modifications globally, we have the experience you can rely on to enhance your inlet system. Our team of qualified engineers repair and modify inlet systems to optimize performance and deliver more power to you. We offer standard replacement and upgrade kits as well as custom modifications for:

- Higher filtration efficiency
- Lower operating intake pressure drop
- Greater moisture control
- Reduced maintenance
- Enhanced noise attenuation and access doors
- Power augmentation with evaporative coolers and chiller coils
DESIGNED TO PERFORM

Donaldson’s revolutionary filter media delivers optimal performance in all types of operating environments and conditions. When you use our filters, you can expect maximum output, protection and efficiency with extended service intervals.

Spider-Web® Fine Fiber Technology
An excellent choice for pulse cleaning systems, our patented Spider-Web fine fiber technology catches submicron particulate before it reaches the media substrate to maximize pulse effectiveness. Bonded to either Synthetic or Duratek® filter media, it offers superior protection against fouled compressor blades without impeding airflow.

Turbo-Tek™ (H)EPA Filtration
Donaldson’s Turbo-Tek™ (H)EPA filters deliver a water tight barrier, high dust load capacity, and low pressure drop, making them the best value in the industry. The premium composite filter media delivers the ultimate in high-performance, low-maintenance filtration for damp environments.

Select the Level of Efficiency for Your Application
Donaldson has filtration media to meet your requirements in almost any operating environment or condition.
Donaldson invests in research and development for technology improvements that optimize filtration performance in a multitude of operating environments and conditions. The result is maximum output, protection, and efficiency, as well as extended filtration system service intervals.

### Matching Filter Media to Your Environmental Challenge

<table>
<thead>
<tr>
<th>ENVIRONMENT</th>
<th>STANDARD EFFICIENCY</th>
<th>HIGH EFFICIENCY</th>
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<tbody>
<tr>
<td></td>
<td>EN 779 F7 - F9</td>
<td>EN 1822 E10 - E12</td>
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<tr>
<td></td>
<td>DURATEK* SPIDER-WEB®</td>
<td>TURBO-TEK H20</td>
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<tr>
<td></td>
<td>SYNTHETIC SPIDER-WEB®</td>
<td>TURBO-TEK ECO</td>
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<tr>
<td></td>
<td>DURATEK SPIDER-WEB XP</td>
<td>TURBO-TEK H20+</td>
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<tr>
<td></td>
<td>SYNTHETIC SPIDER-WEB XP/XP2</td>
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| **DESERT** | DURATEK* SPIDER-WEB® | **BEST** | SYNTHETIC SPIDER-WEB® | **BEST** | DURATEK SPIDER-WEB XP | **BEST** | SYNTHETIC SPIDER-WEB XP/XP2 | **BEST** | TURBO-TEK H20 | **GOOD** | TURBO-TEK ECO | **GOOD** | TURBO-TEK H20+ | **GOOD** |
| Arid; frequently heavy wind, dust concentration | | | | | | | | |

| **ARID/SEMI-ARID** | **GOOD** | **BEST** | **GOOD** | **BEST** | **BEST** | **BEST** | **BEST** | **BEST** | **GOOD** | **GOOD** | **GOOD** | **GOOD** | **BEST** |
| with frequent seasonal ground fog | | | | | | | | |

| **ARCTIC** | **BETTER** | **BEST** | **BETTER** | **BEST** | **BEST** | **BEST** | **BEST** | **BEST** | **BETTER** | **BETTER** | **BETTER** | **BETTER** |
| very cold, dry air; snow and frost frequently build up on filters | | | | | | | | |

| **URBAN/INDUSTRIAL** | **GOOD** | **BETTER** | **GOOD** | **BETTER** | **BEST** | **BEST** | **BEST** | **BEST** | **GOOD** | **GOOD** | **GOOD** | **GOOD** | **GOOD** |
| variety of contaminants, including moderate amounts of hydrocarbons | | | | | | | | |

| **MARINE, COASTAL, TROPICAL** | **GOOD** | **BETTER** | **GOOD** | **BETTER** | **BEST** | **BEST** | **BEST** | **BEST** | **GOOD** | **GOOD** | **GOOD** | **GOOD** | **GOOD** |
| and semi-tropical (hot, humid, moisture-laden) environments | | | | | | | | |

| **SEASONAL** | **GOOD** | **BETTER** | **GOOD** | **BETTER** | **BEST** | **BEST** | **BEST** | **BEST** | **GOOD** | **GOOD** | **GOOD** | **GOOD** | **GOOD** |
| insects, seeds, leaves, or other debris | | | | | | | | |

A pre-filter wrap can be installed and/or removed while system is running.
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.

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

GAS TURBINE SYSTEMS

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