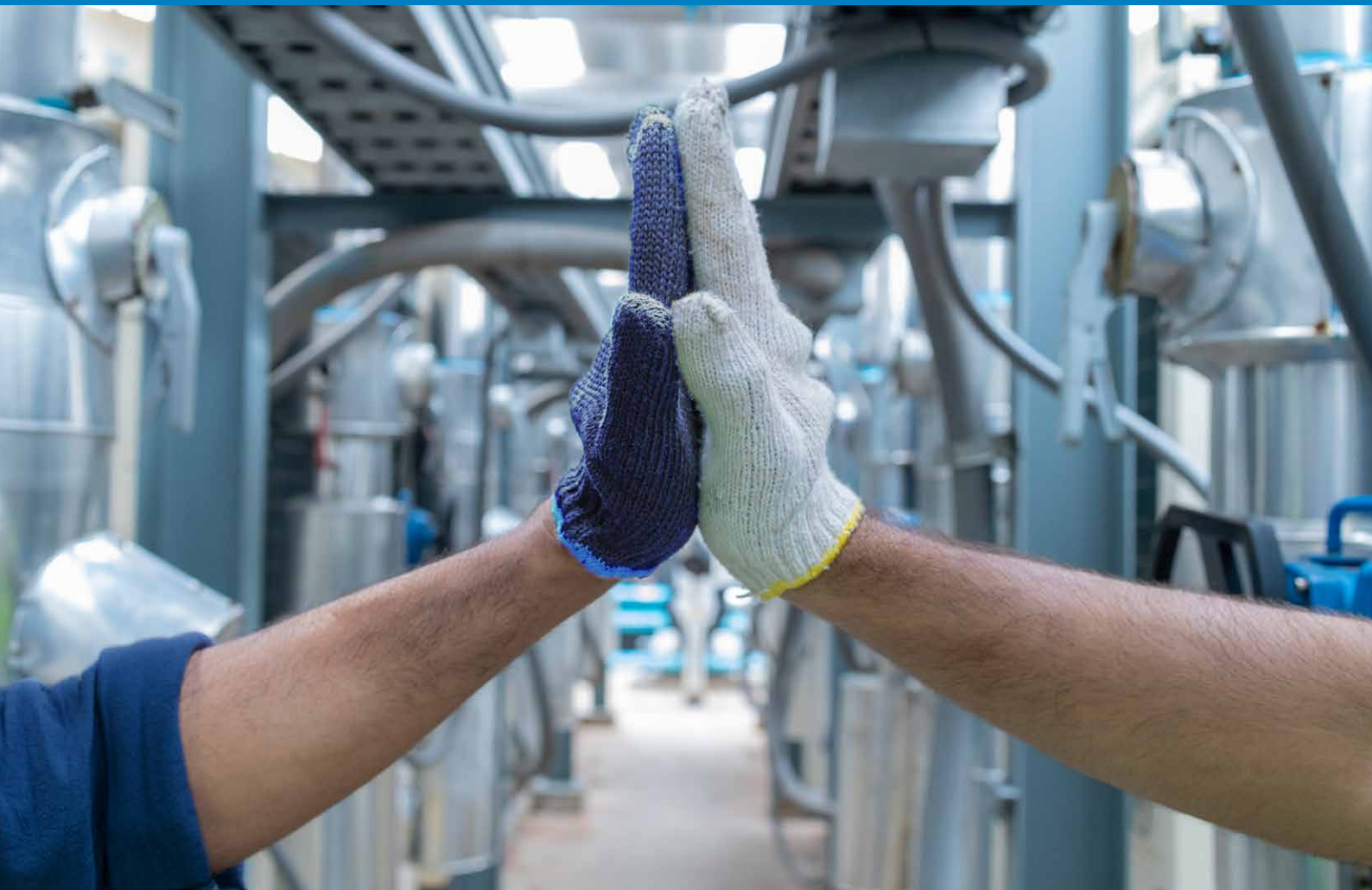


Compressed Air & Gas Filtration Solutions

# Purification from Source to Application



# PURE AIR. PURE PERFORMANCE.

You've built your reputation on manufacturing excellence. You strive to consistently deliver products that meet or exceed industry standards for quality. And you know, compressed air and gas are the invisible heroes of your industry. They keep things moving and make things better. No matter what you do, compressed air and gas are critical. Removing contaminants like oil, moisture, and particulate helps protect your equipment, boost efficiency, and deliver top-quality products.

Donaldson has been **solving industrial filtration challenges for more than 100 years**. We understand your needs and we're here to help you hit your purity targets for your industrial gases:

- + **A comprehensive portfolio of solutions, including filter elements, housings, dryers, and condensate management systems**
- + **Filtration, purification, and drying solutions for compressed air and gases, including hydrogen, methane, nitrogen, argon, helium, oxygen, carbon dioxide, and carbon dioxide-free air and gases**
- + **Experienced field service and technical support**

Reinforced by more than 500,000 installations as well as 4.6 million replacement filters sold annually, no other global organization will bring more expertise, equipment, and innovation to help solve your filtration challenges than Donaldson.



# SOLUTIONS FOR MULTIPLE INDUSTRIES

From compressor filtration and drying systems to final purification, our advanced technologies, industry-leading solutions, and comprehensive services help your organization achieve your required purity levels. Our solutions support the efficient and reliable capture of contaminants across a broad range of industries and applications such as:



|                                                                                                                   |                                                                                                                        |                                                                                                                     |                                                                                                              |                                                                                                                  |                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <br><b>Automotive</b>            | <br><b>Chemical</b>                   | <br><b>Cement</b>                  | <br><b>Electronics</b>      | <br><b>Energy</b>             | <br><b>Environmental</b>     |
| <br><b>Food &amp; Beverage</b> | <br><b>Glass</b>                    | <br><b>Industrial Machinery</b>  | <br><b>Manufacturing</b>  | <br><b>Marine</b>           | <br><b>Medical</b>         |
| <br><b>Oil &amp; Gas</b>       | <br><b>Packaging &amp; Bottling</b> | <br><b>Paints &amp; Coatings</b> | <br><b>Pharmaceutical</b> | <br><b>Pulp &amp; Paper</b> | <br><b>Technical Gases</b> |

## Donaldson is Your Trusted Partner for Reliable Compressed Air Filtration and Gas Purification Systems



Enhance product quality through improved air and gas purity



Maximize efficiency and performance



Extend equipment life by reducing wear and tear



Engineered solutions to reduce energy consumption



Minimize total cost of ownership and downtime



# LEVEL UP YOUR SYSTEM PERFORMANCE



## Compressor Filtration

Enhance your compressor system with industry-leading inlet air filters, lube filters, and air-oil separators.



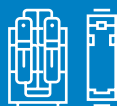
## Filter Housings

We offer an extensive portfolio of high-quality filter housings including our high-performance DF industrial housings as well as housings for technical gases and high pressure applications.



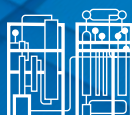
## Filter Elements

Donaldson filter elements – from coarse to submicron coalescing and particulate filters – can help you optimize your processes by providing high retention rates for oil and water aerosols as well as particulates. Activated carbon elements help handle oil vapours and hydrocarbons while our UltraPleat™ media technology provides high separation efficiency of liquids and absorption capacity of solids.



## Dryers

From simple dryers to complete packages, Donaldson compressed air dryers are created for your specific air quality needs with a line of varying drying methods including heatless and heat regenerated adsorption, as well as refrigeration. We also offer oil-free and breathing air packages.



## System Solutions

We are here to assist when your needs go beyond a standard compressed air and gas purification solution. We can develop custom system solutions for your specific application, helping you address your purification challenges.



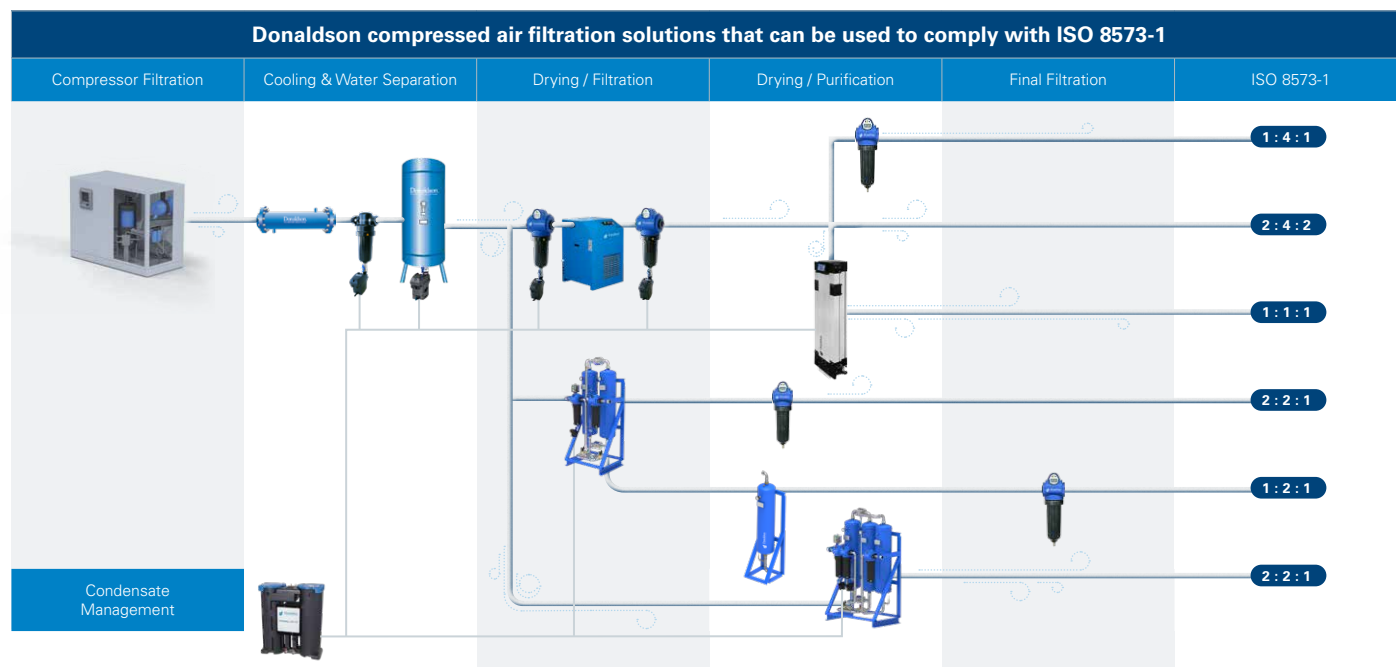
## Condensate Management Systems

Our condensate drains and oil-water separators provide reliable and economical disposal of compressed air condensate to minimize harmful build-up within your organization and help you meet your sustainability goals.



# WE HELP YOU ACHIEVE YOUR PURITY TARGETS

Depending on operating conditions, our advanced media technologies and multi-stage purification solutions can be used to comply with purity classes according to ISO 8573-1:2010.



**Donaldson compressed air purification solutions offer maximum protection for your operation and your reputation.**

| Compressed Air<br>Quality Class | Dirt (solid particles)<br>Maximum particle number per m³ particle size, d in µm |               |               | Water Pressure<br>Dewpoint °C | Oil Concentration<br>mg/m³ |
|---------------------------------|---------------------------------------------------------------------------------|---------------|---------------|-------------------------------|----------------------------|
|                                 | 0.10 < d ≤ 0.5                                                                  | 0.5 < d ≤ 1.0 | 1.0 < d ≤ 5.0 |                               |                            |
| 0                               | Specified acc. to application and better than Class 1                           |               |               |                               |                            |
| 1                               | 20,000                                                                          | 400           | 10            | ≤ -70                         | ≤ 0.01                     |
| 2                               | 400,000                                                                         | 6,000         | 100           | ≤ -40                         | ≤ 0.1                      |
| 3                               | n.s.                                                                            | 90,000        | 1,000         | ≤ -20                         | ≤ 1                        |
| 4                               | n.s.                                                                            | n.s.          | 10,000        | ≤ +3                          | ≤ 5                        |
| 5                               | n.s.                                                                            | n.s.          | 100,000       | ≤ +7                          | > 5                        |

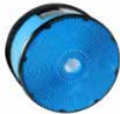
Compressed air quality acc. to ISO 8573-1:2010

n.s. = not specified





# COMPREHENSIVE SOLUTIONS THAT DELIVER REAL RESULTS

| Filters                                                                                                          | Aftercoolers & Cyclone Separators                                                                  | Filter Housings & Elements<br>Particle-free                                                         | Filter Housings & Elements<br>Oil-free                                                              |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <br><b>Air Inlet Filters</b>    | <br><b>UFK-W</b>  | <br><b>DF</b>      | <br><b>DF</b>    |
| <br><b>Lube Filters</b>         | <br><b>UFK-L</b>  | <br><b>SG</b>    | <br><b>SG</b>    |
| <br><b>Air-Oil Separators</b> | <br><b>DF-C</b> | <br><b>HD</b>     | <br><b>HD</b>    |
|                                                                                                                  | <br><b>SG-C</b> | <br><b>EG</b>   | <br><b>EG</b>   |
|                                                                                                                  |                                                                                                    | <br><b>V</b>     | <br><b>DF-T</b> |
|                                                                                                                  |                                                                                                    | <br><b>M</b>   | <br><b>EG</b>   |
|                                                                                                                  |                                                                                                    | <br><b>S</b>   | <br><b>DF-T</b> |
|                                                                                                                  |                                                                                                    | <br><b>V</b>     | <br><b>A</b>   |
|                                                                                                                  |                                                                                                    | <br><b>M</b>   | <br><b>AK</b>  |
|                                                                                                                  |                                                                                                    | <br><b>S</b>   | <br><b>AK</b>  |
|                                                                                                                  |                                                                                                    | <br><b>CF</b>    | <br><b>V</b>   |
|                                                                                                                  |                                                                                                    | <br><b>FF</b>   | <br><b>M</b>   |
|                                                                                                                  |                                                                                                    | <br><b>MF</b>  | <br><b>S</b>   |
|                                                                                                                  |                                                                                                    | <br><b>SMF</b> | <br><b>S</b>   |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>V</b>   |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>M</b>   |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>S</b>   |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>CF</b>  |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>MF</b>  |
|                                                                                                                  |                                                                                                    |                                                                                                     | <br><b>SMF</b> |

Donaldson also engineers and manufactures a comprehensive selection of process filtration solutions for sterile air, particles, technical gases, venting, steam, and liquids suitable for sanitary and non-sanitary applications.



Donaldson maintains a complete portfolio of versatile filtration and purification products for compressed air and gas applications. Our engineering team leads product development from concept to implementation, with components designed and installed for optimal performance in your operation. Let us help you find the right solution for your specific needs.

| Dryers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Dryers, Adsorbers & Elements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Condensate Management Systems                                                                                                                                                                                                                                                                                                   | Dryer System Solutions                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Buran</b><br><br><br><b>Boreas</b><br><br><br><b>Bora</b><br><br><br><b>SPN</b><br><br><br><b>Ultrapac™<br/>HL-ALD/<br/>HL-MSD</b><br><br><br><b>Ultrapac™<br/>Smart</b><br><br><br><b>Ultradryer<br/>HLP</b><br><br><br><b>Ultradryer<br/>HRS+/<br/>HRS-L+/<br/>HRE+</b> | <br><b>Ultrapure<br/>Smart ALG</b><br><br><br><b>Ultrapure<br/>HL-ALG</b><br><br><br><b>Oilfreepac™<br/>Smart OFF</b><br><br><br><b>Oilfreepac™<br/>HL-OFF</b><br><br><br><b>Ultrasorp<br/>Smart AKC</b><br><br><br><b>Ultrasorp<br/>AKC</b><br><br><br><b>DF-T</b><br><br><br><b>A</b> | <br><b>UFM-D</b><br><br><br><b>UFM-P</b><br><br><br><b>Ultrasep US</b> | <br><b>HRC-T</b><br><br><br><b>ARBC</b><br><br><br><b>Ultrapac™ MSD</b> |

# ONE PARTNER. UNLIMITED SOLUTIONS.

With more than **100,000 replacement filters and parts** for all major brands of filtration equipment, we have what you need to keep your operation up and running.



To schedule a consultation with a Donaldson representative or find the right purification solutions for your compressed air and gas systems, visit [Donaldson.com](https://www.donaldson.com).



**donaldson.com**

Donaldson Company, Inc.  
Minneapolis, MN, USA



**Donaldson**  
FILTRATION SOLUTIONS

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