



# DONALDSON FILTRATION SERVICES

## Process Filtration



Mobile Service offering available in France, Germany and Austria



## A SUCCESSFUL COLLABORATION

### Introducing Donaldson's Filtration Services

Donaldson commits to the highest level of customer care and collaboration. And we understand that fast and timely service for your filtration application is important. That's why we're pleased to introduce our Donaldson Filtration Services, which allows us to bring our filtration expertise right to your doorstep and continue our support through the whole life cycle of your filtration system.

### Global knowledge - local touch

To help your filtration system operate at peak efficiency, our Filtration Services teams provide both mobile and laboratory services and work in close connection with Donaldson's extended support network of qualified technical experts, market specialists, engineers and scientists worldwide.

### We come to you

Donaldson is dedicated to adding value to our customers wherever we can. Our mobile and laboratory offerings serve to give you peace of mind and the confidence of knowing that our friendly crews can be on hand when you need them. We bring our filtration expertise to you – to keep you operating efficiently.

Our crews have the capability and technical expertise to attend to all of your additional filtration needs, from preventative maintenance, filter media and components, servicing and replacements, system analysis and diagnostics. Our Mobile Support teams also work closely with our Laboratory Services, which enables us to test, analyse, and help validate your filtration applications within your production process.

**Mobile Service offering available in France, Germany and Austria**

## MARKETS WE SERVE

### Food

- Dairy
- Alternative foods and proteins
- Food and ingredients

### Alcoholic beverages

- Beer
- Wine and spirits



### Non-alcoholic beverages

- Bottled water
- Soft drinks
- Juices

### Healthcare and pharmaceutical

- Pharma
- Biotechnology
- Fine chemicals
- Care products
- Medical

## THE DONALDSON DIFFERENCE

Peace of mind through transparency and traceability of system-operating performance



Supporting process and product integrity in line with international standards



Global knowledge - local touch with our worldwide specialists



Access to knowledge, service and operating consumables





## MOBILE SERVICES

### Donaldson provides specialized support when you need it the most

Our Mobile Support teams are in operation in your area, backing up our industry-leading filtration products and global resources with personalized customer service from a local enterprise.

Our Mobile Support teams offer preventive maintenance and regular servicing, which can provide that extra peace of mind that comes from knowing that your systems are well cared for. Donaldson service engineers can also provide you with overall feedback, recommendations and identify areas for improvement for potential efficiency and cost savings.

#### Key Mobile Services:

- Integrity tests of sterile filter elements (air, gas and liquid applications)
- Measurement of compressed air for quality that is indicative of compliance with ISO 8573 (using our test method and equipment).
- Evaluation and diagnosis of filtration applications.
- Filter management, including exchange, maintenance, and commissioning.
- Preventive maintenance.
- Site assessments including optimization and trouble shooting.
- Support with process documentation.



## LABORATORY SERVICES

### Laboratory Services that help to keep your production at peak performance

To enhance and complement our Mobile Support Services, our in-house Laboratory Services help to keep your production at peak performance. Donaldson Laboratory Services allow us to test, analyze and validate your filtration applications within your production processes. We can also provide routine diagnostic tests of your filtration system to help ensure it's performing at optimal levels and at low total cost of ownership.

#### Key Laboratory Services:

- Destructive examination of LifeTec™ filter elements including failure mode analysis.
- Differential pressure measurement of filter elements for air, gas and liquid applications
- Ultrasonic regeneration of steam filter elements and measurement of their differential pressure.
- Water analysis (Total Organic Carbon (TOC), turbidity, pH value, hardness, particle size distribution).
- UV/VIS Spectroscopy measurement of liquid samples.
- FTIR Spectroscopy measurement of liquid and solid samples.
- Test filtration of liquids.
- Autoclaving of filter elements.
- Retention rate for filter elements (0.8-138 µm) in water.
- Test of desiccants (dew point analysis and Delta T).



# MOBILE MEASUREMENTS & SERVICES



Membra-Check

## Integrity tests for membrane filters with Donaldson Membra-Check

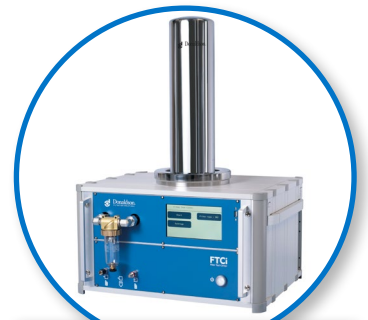
We are testing the integrity of your sterile liquid membrane filters for a past production period and for your current status. The Donaldson Membra-Check is a compact, portable, off-grid filter integrity testing instrument that supports your goal of producing in accordance with regulations and best practices.

We can support you with the following onsite tests:

- Bubble Point Test
- Diffusion Test
- Pressure Drop Measurement
- Water Intrusion Test (WIT)

## Integrity tests for gas filter elements - Dispersed Oil Particle test (DOP test)

DOP testing for depth filter elements confirms the integrity of sterile air filtration during previous production periods and for existing applications. By having your filter elements tested with the Donaldson Filter Test Center (FTCi) device, we can confirm that you are working in accordance with regulations and best practices (glass microfibers and compliance with NF EN 1822 and ISO 29463 standards).



FTCi



Air quality

## Air quality ISO 8573

Compressed air quality according to required classifications is important to fulfill and comply with regulations in the F&B and Pharmaceutical industry.

This service allows us to validate your compressed air, using our test method and equipment, for quality that is indicative of compliance with ISO 8573. Test results allow us to provide you with optimized solutions for your compressed air purification system if necessary.



Bacterial colony test

### Bacterial colony counting

After defining your compressed air quality, the question remains, if there is a contamination of bacteria in your compressed air line. Our Service Engineers can take a defined compressed air sample from any point in the compressed air network and pass it over an agar petri dish, which is then incubated under standardized conditions. In the next step, the number of colonies forming units (CFU) is determined to understand the degree of contamination of the compressed air.

### Particle size distribution

Evaluating the capability of a new filtration application requires a detailed analysis of existing conditions. With this measurement, we can determine the size and number of particles in your water based liquids. In addition, with our offer to analyze the water conditions in terms of water hardness, conductivity, pH value, and turbidity, we provide you the ideal complementary measures to design a new filtration system.



Particle size distribution



Analysis package

### Analysis package

This is the ideal complement to particle distribution measurements and SDI filter tests. We analyze your water quality and thus round off the overall picture of your filtration application. Water hardness, pH value, conductivity and turbidity are decisive factors for assessing the right filtration solution.

### Filterability study (Silt Density Index)

The filterability study is a method for estimating the filter service life. This test evaluates the efficiency of different membrane combinations directly at the customer's site to determine the best possible filtration solution. The filterability study also offers the opportunity to visually examine the residues stuck on the filter.



Filterability study

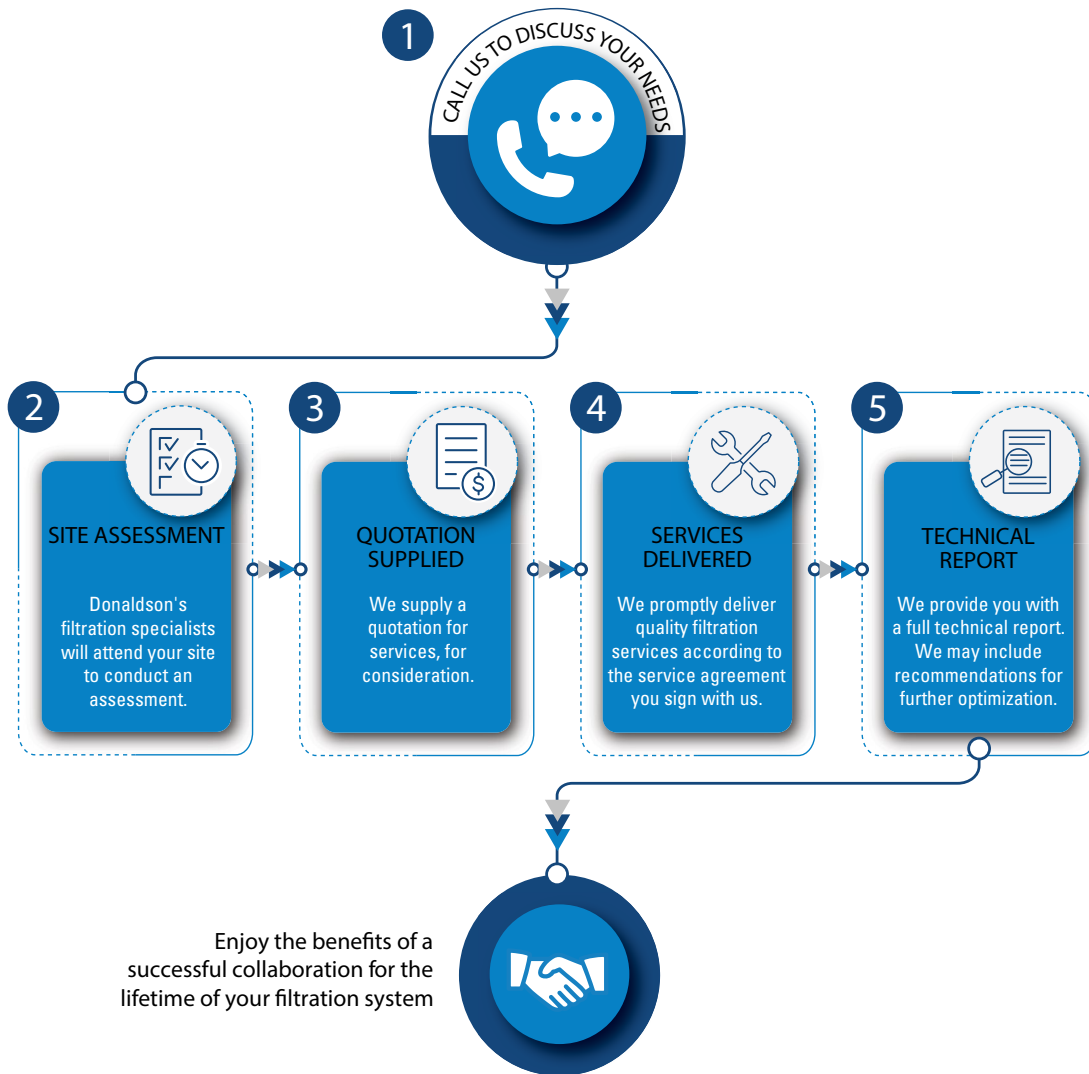


Liquid flow

### Liquid flow measurement

What is the ideal size of your new liquid filtration solution? Our Service Engineers can measure the liquid volume flow of your application non-invasively by simply clamping on the measurement device to the existing piping. And all of that during your normal production hours, without interrupting production processes.

# DONALDSON'S SERVICE JOURNEY



Looking for Donaldson services offerings? Please fill out the form to contact us at <https://utm.io/services-EN>



[donaldson.com/process](https://donaldson.com/process)

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