



Donaldson.
FILTRATION SOLUTIONS

Process Filtration From Pure to Sterile

Services

Donaldson offers a broad variety of different services around filter elements and filtration installations.

INTEGRITY TESTS

For membrane filters

- Diffusion Test (Forward Flow)
- Pressure Drop
- Diffusion and Bubble Point
- Diffusion Tests with automatic filter wetting
- Water Intrusion Test (WIT)
- WIT on large housings (150l)

→ The corresponding integrity testing device “Donaldson Membra-Check” is also available for purchasing

→ Some of these tests may also be carried out on-site. Please ask your Donaldson Sales Engineer

For depth filters

- DOP Test on sterile air depth filters
- DOP Test on ventilation filters
- DOP Test on depth filters for liquids

→ The corresponding integrity testing device “Donaldson Filter Test Center” (FTC) is also available for purchasing

SERVICES FOR LIQUID FILTRATION

- Particle Counting in water-based liquids and beverages (0,8 µm – 130 µm)
- Test Filtrations combined with particle counting
- Test Filtrations with up to three filtration steps
- Test Filtrations on-site

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Donaldson.
Ultrafilter

PURIFICATION AND REGENERATION OF LIQUID AND STEAM FILTERS

Regeneration of Stainless Steel Filter Elements (P-SM, P-SM N, P-GS N) by

- Backflushing
- Ultrasonication

Regeneration of Sintered Steel Filter Elements (P-GS) by

- Backflushing
- Ultrasonication

→ Both services may be combined with differential pressure measurements before and after the regeneration

→ For regeneration services on other liquid filters, please contact your Donaldson Sales Engineer

SERVICES FOR THE BEVERAGE INDUSTRY

In cooperation with the VLB Berlin Donaldson Filtration also offers a broad variety of beverage analysis, e.g. Beer analysis (acc. to MEBAK II).

Beer analysis

- Original Extract (Attenuation)
- Alcohol (distillative)
- Extract
- Foam Stability Lg Foamtester
- MgSO₄ precipitable Nitrogen
- Bitter units
- pH
- Colour
- Vicinale Diketones (photometric)
- Anthocyanogenes
- Total Polyphenoles ECB
- Forcing Test DLG Standard (2 days, 40°C)
- Forcing Test complete test (40°C or 60°C)
- Turbidity
- Sensory Analysis (Paired Comparison Test)
- Filtered Beer (Microbiology)
- Standard Beer Analysis, consisting of:
 - Original Extract
 - Colour
 - pH
 - Bitter units

Water analysis

- Evaporation residue
- AOX
- DOC
- Total hardness
- Carbonate hardness
- Nitrate
- Nitrite
- pH-Value
- Total Phosphate
- Sulphate
- TC, TIC, TOC
- Brew Water Analysis and Ionic balance
- Well Water Analysis
- Microbiology I
- Microbiology II

For further analysis services, please contact your Donaldson Sales Engineer.

- For more information on test equipment or test services, please contact your Donaldson Sales Engineer and visit our website at www.donaldson.com!

