



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix # B

to

Report # WWW2018-009

July 6, 2018

Mr. Corey Biswanger
Senior Environmental Officer
Peterborough District Office
Ministry of the Environment, Conservation and Parks
300 Water Street, 2nd Floor, South Tower
Peterborough, ON
K9J 3C7

Dear Mr. Biswanger:

Re: Woodville DWS Provincial Officer's Order 1-IXCS7

Please accept this document in response to Provincial Officer's Order 1-IXCS7. The Provincial Officer's Order requires that NSF 53 certified filters be installed at the Woodville DWS and a copy of the NSF 53 certification be provided to you by July 27, 2018.

NSF 53 certified filters (Flotrex GF-C filters Model FGF012EHE-C) were received and installed on July 5, 2018. Please see attached information sheet, invoice and picture of NSF 53 certification on the filters.

All non-NSF 53 certified filters were removed from the facility and disposed of.

Please contact me if you have any questions.

Sincerely,

Geoff Redden
General Manager
Ontario Clean Water Agency
Kawartha Hub
(705) 738-9734

- cc. A. Hayter, City of Kawartha Lakes, Supervisor, Water and Wastewater
K. Strackholder, City of Kawartha Lakes, Contract Coordinator
B. Martin, Ontario Clean Water Agency, Senior Operations Manager
W. Henneberry, Ontario Clean Water Agency, Safety Process Compliance Manager
J. Fuller, Ministry of the Environment, Conservation and Parks, Supervisor

Flotrex* GF-C

pleated cartridge filters with glass microfiber media certified to NSF/ANSI standard 53 for cyst retention



description and use

The Flotrex GF-C (FGF-C) filters are designed for the removal of Cryptosporidium and Giardia cysts from potable water sources. The cysts from these parasitic microorganisms are a significant cause of water born disease. Because of their small size and resistance to chlorine disinfection, they are not reliably controlled by conventional water treatment methods. By meeting NSF/ANSI Standard 53, the FGF-C filters retain >99.95% of these cysts and can help prevent the illnesses they cause.

The FGF-C filter is just one example of our strong commitment to liquid, air and gas treatment. Our complete portfolio includes filters for every stage of

processing, and we offer custom solutions for your unique applications. SUEZ is your complete source for filters, housings and other filtration equipment.

applications

Flotrex GF filters are used for cyst reduction and clarification. Typical applications include:

- Filtration of Bottled Water
- Beverage Clarification
- Potable Water

general properties

As required by NSF/ANSI Standard 53, the Flotrex GF-C filters have a 1.0 micron absolute pore size rating. Tables 1, 2, 3 and 4 provide details on materials of construction, dimensions, operational limits and water flow performance.

Table 1: Materials of Construction

Description	Material of Construction
Filtration Media	Acrylic Resin-Bonded Glass Microfiber
Support Layers	Polypropylene Microfiber
Core and Cage	Polypropylene
Endcaps and Adapters	Polypropylene

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

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Table 2: Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70 mm)	1.25" (31mm)	4.4 ft ² (0.41m ²)

Table 3: Operational Limits

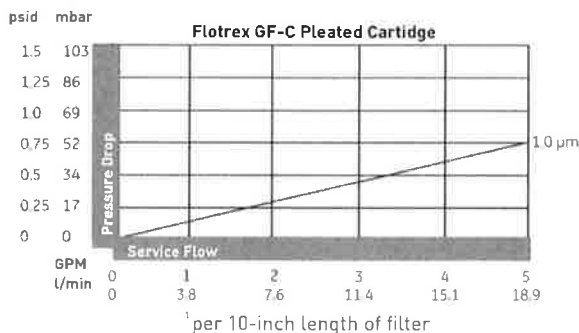
Description	Operational Limits
Maximum Forward Differential Pressure	60 psi (4.1 bar) at 70°F (21°C)
Maximum Reverse Differential Pressure	30 psi (2.1 bar) at 70°F (21°C)
Maximum Operating Temperature	180°F (82°C) at 10 psid (0.69 bar) in water
Maximum Recommended Water Flow	5 gpm (18.9 L/min) per 10-inch length of filter

additional information

- Flotrex GF-C filters with stainless steel insert supported o-ring adapters (Q or Z adapter) may be autoclaved or in situ steam sterilized at 125°C (30 minute cycles) for a maximum accumulated exposure of 10 hours. Alternatively, the filters may be sanitized with compatible chemical agents.
- SUEZ certifies that the materials contained in its Flotrex GF-C filters meet US FDA requirements for food contact under the applicable regulations in 21 CFR. For further information, contact SUEZ technical services.
- Flotrex GF-C filters meet the test criteria for USP Class VI-121°C Plastics. Aqueous extracts from the filters typically contain less than 0.25 EU/mL. The filters typically exhibit low levels of non-volatile residues.

Flotrex GF-C filters have been certified by NSF International to meet Standard 53 and retain >99.95% of Cryptosporidium and Giardia cysts.

Table 4: Flow Performance in Clean Water¹



COMPONENT

This Flotrex GF-C filter is tested and certified by NSF International against NSF/ANSI Standard 53 for cyst reduction and material requirements.



Table 5: Ordering Information

Type	Absolute Pore Size Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material	Grade
FGF	01 = 1.0µm	1 = 10 inch (25cm) 2 = 20 inch (51cm) 3 = 30 inch (76cm) 4 = 40 inch (102cm)	E = 222 O-Ring F = 226 O-Ring Q = 222 O-Ring with Stainless Steel Insert Z = 226 O-Ring with Stainless Steel Insert	G = Closed End Cap H = Fin Adapter	E = EPDM S = Silicone T = Teflon [®] Encapsulate d Viton [®] V = Viton	-C = certified by NSF to meet Standard 53 requirements for cyst retention
Example: FGF013EHS-C						

[®]Teflon and Viton are registered trademarks of DuPont.



...clairement la solution/Providing clear solutions...

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Customer Address :

Pat Lucas
Ontario Clean Water Agency, Kawartha Hub
48 Lagoon Street
Lindsay, ON K9V 4R4
Canada
1-705-879-5800

Contact Address :

Pat Lucas
Ontario Clean Water Agency, Kawartha Hub
48 Lagoon Street
Lindsay, ON K9V 4R4
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1-705-879-5800

Packing List : OUT/08311

Client PO #	Order #	Recipient	Expected Shipping Date	Date
5842	SO11480	Pat Lucas	2018-07-10 12:00:00	3-07-2018
Carrier	Tracking/BOL	Packages	Net Weight	Shipper
Dicom PP+C dicom	W95147861	2 box	26.0	Nicolae Papagheorghe

Description	Serial #	Bin	Ordered	Shipped	B/O
[3145309] FGF012EHE-C Flotrex GF, Cartridge 1.0 u X 22.46" L, Glass-Fiber media, NSF53 Certified			20.000 PCE	20	✓

Notes

Incoterms (2010): EX WORKS Durpro, Candiac, QC, Canada
Delivery: 4 weeks
Transport: Dicom PP+C
Ask transporter to call Pat Lucas on 705-879-5800 prior to delivery

This Flotrex GF-C is Tested and
Certified by NSF International
against NSF/ANSI Standard 53 for
Cyst Reduction and material
requirements.



Filters include 222 or 226 O-Ring for bottle use

EPA Est. No. 39151-MN-001

Date installed:

Flotrex Filter FGF012EHE-C

1.0 Micron

Length: 22.46" in.

Seal Elastomer: EPDM

P/N: 3145309

Lot #: 60560640

Manufactured: 6/20/2018

Made in USA