



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

December 31, 2014

United Filtration Systems, Inc.
6558 Diplomat Drive
Sterling Heights, MI 48314
www.unitedfiltration.com

The design submission, tracking number 2014-09823, originally received on November 21, 2014 was surveyed and accepted for registration as follows:

CRN : OE04447.2 **Accepted on:** December 31, 2014
Reg Type: Addition to Acc. Fitting **Expiry Date:** December 31, 2024
Drawing No. : AS LISTED IN NOTES
Fitting type: 150-160 SERIES FILTERS

The registration is conditional on your compliance with the following notes:

This registration has been issued based on the understanding that:

- It includes the filters shown on the following drawings: 150 Series dwg. # HF4/1371, HF4/1541, HF4/3993, 160 Series dwg. HF4/3007, HF4/3008, HF4/3006, HF4/4059, HF4/4060, and HF4/4061;
- All filters are rated for 1,500 psi @ -50/400 F.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

Enclosed are stamped prints for your reference.

Sincerely,

PREDA, DRAGOS, P. Eng.

2014



the pressure equipment safety authority

**STATUTORY DECLARATION
Registration of Fittings**



I, Scott Hardiman,

Works Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Headline Filters Ltd

(name of manufacturer)

located at Mill Hall Business Estate, Aylesford, Kent. ME20 7JZ. England

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of _____ which specifies the dimensions,
(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII -1 as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, British Standards Institute as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are 150-160 Series Filters

In support of this application, the following information, calculations and/or test data are attached:

Engineering drawings, pressure calcs, proof test calcs, proof test cert, calibration cert, ISO9001 cert, PED Module D cert, PED Module B cert, material certificates, Brochure copy, independent material test results. Existing CRN documents

DECLARED before me at MAIDSTONE in the COUNTY of KENT

this 13th day of NOVEMBER, 2014
(Month) (Year)

(print) ALEXANDER GWILUM ASTLEY

SHardiman
(Signature of Applicant)

(sign) [Signature]
(A Commissioner for Oaths)

For Office Use Only

See Acceptance Letter for the comments and/or conditions of registration.

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category 4E4

Registration Number: OE4447.2

Date Registered: DEC 31 2014

(For the Administrator/Chief Inspector of Alberta)

Expiry Date: 2024/12/31

INFORMATION from **Headline Filters**

TEST CERTIFICATE

Date of Test: November 12th 2014

Place of Test: Headline Filters Ltd, Aylesford, Kent, England

Filter Housing: 160 - 2" NPT. To Drawing No. HF4/4061 (using a One-Piece Bowl)
Filter Head, Batch No. 10273. Filter Bowl, Batch No. 9938.
Head made using material, Cast No. 540077 HFL reference 6122
Bowl made using material, Cast No. 537996, HFL reference 5918

Equipment used: SC Hydrostatic Test Pump, Serial No. 0801214
Pressure Gauge Serial No. 068097/1

Specification: As per ASME VIII Div 1, 2013 paragraph UG-101 (m)

Test Type: Hydraulic Pressure Test

Medium: Water

Pressure: 1st Stage – 1500 psi.g for 5 minutes
2nd Stage – 7850 psi.g for 10 minutes

Temperature: Ambient

Leak Detection: Visual

Acceptance Criteria: Satisfactorily withstand burst test pressure required for the desired MAWP without rupture

0 E 4 4 4 7 . 2
DEC 3 1 2014

Results:

With filter housing outlet and drain blocked off, pressure was increased gradually through the inlet until stage 1 and 2 test pressures were achieved. These pressures were isolated for the test durations.

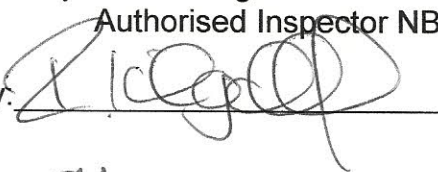
No leakage or distortion was evident throughout the test

Test carried out by Scott Hardiman

Test Witnessed by Russell Kilgallon

Authorised Inspector NB 14723. Endorsements A

Witnessed by:



Reviewed
 Witnessed

Certified By:




14723
HSB GS



FM51967

INFORMATION from **Headline Filters**

TEST CERTIFICATE

Date of Test: November 12th 2014

Place of Test: Headline Filters Ltd, Aylesford, Kent, England

Filter Housing: **160 - 2" NPT.** To Drawing No. HF4/3006 (using a Two-Piece Bowl)
Filter Head, Batch No. 10273. Filter Bowl, Batch No. 10173.
Filter Extender, Batch No. 10174
Head made using material, Cast No. 540077 HFL reference 6122
Bowl made using material, Cast No. 472615, HFL reference 6069
Extender made using material, Cast No. 472615, HFL reference 6065

Equipment used: SC Hydrostatic Test Pump, Serial No. 0801214
Pressure Gauge Serial No. 068097/1

Specification: As per ASME VIII Div 1, 2013 paragraph UG-101 (m)

Test Type: Hydraulic Pressure Test
Medium: Water
Pressure: 1st Stage – 1500 psi.g for 5 minutes
2nd Stage – 7850 psi.g for 10 minutes

Temperature: Ambient
Leak Detection: Visual
Acceptance Criteria: Satisfactorily withstand burst test pressure required for the desired MAWP without rupture

OE4447.2

DEC 3 1 2014

Results:

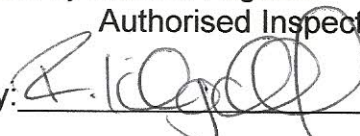
With filter housing outlet and drain blocked off, pressure was increased gradually through the inlet until stage 1 and 2 test pressures were achieved. These pressures were isolated for the test durations.

No leakage or distortion was evident throughout the test.

Test carried out by Scott Hardiman

Test Witnessed by Russell Kilgallon

Authorised Inspector NB 14723. Endorsements A

Witnessed by: 

Reviewed
 Witnessed

Certified By: 


14723
HSB GS



FM51967