

January 20, 2017

Attention: Catherine Diplock
PRESSURE VESSEL ENGINEERING INC
120 RANDALL DRIVE SUITE B
WATERLOO, ON N2V 1C6

Email: cmd@pveng.com

The design submission, tracking number 2017-00024, originally received on January 04, 2017 was surveyed and accepted for registration as follows:

CRN : 0H10879.52 **Accepted on:** January 20, 2017
Reg Type: Addition to Acc. Fitting **Expiry Date:** November 23, 2026
Drawing No. : SCOPE OF REGISTRATION 10860S-1, CRN RENEWAL
Fitting type: MODEL 27 FILTER HOUSING
Design registered in the name of : PARKER HANNIFIN CORP FILTRATION & SEPARATION DIV

Description	MAWP	Design Temperature	MDMT
Internal Pressure	5516kPa	93 °C	-29 °C

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

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.

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 and 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.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,



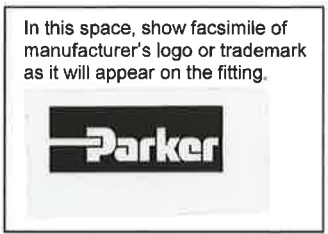
GRYNCHUK, MILLA

STATUTORY DECLARATION Registration of Fittings

I, DANIEL RYAN, ENGINEERING MGR (name of applicant) (position title) (must be in a position of authority)

of Parker Hannifin Filtration and Separation Division (name of manufacturer)

located at 260 Neck Road, Haverhill, MA 01835 USA (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 (title of recognized North American Standard) which specifies the dimensions,

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

[X] are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME VIII-1 2015 (title of code of construction or other applicable document) 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, Det Norske Veritas Certification 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

Model 27 Filter (brief description of fittings)

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

See scope of registration, 10860s-1

DECLARED before me at Haverhill in the STATE of Massachusetts (city) (province or state)

this 14th day of October, 2016 (Month) (Year)

(print) KAREN A. MAYER (a Commissioner of Oaths or Notary Public)

KAREN A. MAYER Notary Public My Commission Expires October 1, 2019

(sign) Karen A. Mayer (a Commissioner of Oaths or Notary Public)

Daniel L Ryan (signature of applicant)

For ABSA Office Use Only:

NOTES:

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 H

Registration Number: OH10879-52 (Signature of the Administrator/SCO) [Signature]

Date Registered: JAN 20 2017 Expiry Date: 2026 / Nov. 23

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

10860s-1 R0

Scope of Registration

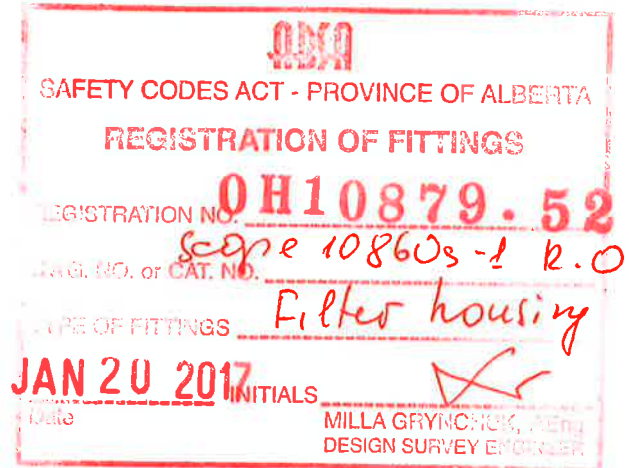
Parker Hannifin Filtration and Separation Division

This submission is a re-registration of fittings using CSA B51-14 Part 1 4.2.8(c) method. The current registration uses the exact pressure retaining components of the previous CRN registration OH10879.512

Model 27 Filter Housings – List of Drawings

Model 27 Filter Housings made by Parker Hannifin Filtration and Separation Division are made per following drawings:

Model	Drawing No.
27/35	C-12439
EU27/35-BSPT	C-15368
A27/35B-SA	C-12279
27/50	C-12084
EU27/50 BSPT	C-18396
27/80	C-11677
A27/80B-SA	C-12280
EU27/80-BPST	C-18400
27/95	C-12083
EU27/95-BPST	C-18402



Model 27 Filter Housings – Design Conditions

Model 27 Filter Housings made by Parker Hannifin Filtration and Separation Division are designed to work in the following conditions:

1. Design and built in accordance with ASME Section VIII Div. 1, 2015 Ed.
2. Max. Internal Pressure, psi: 800
3. Max. External Pressure, psi: 0
4. Design Temperature, °F: 200
5. Minimum Temperature, °F: -20
6. Hydrostatic Test Pressure, psi: 1200
7. Corrosion Allowance: 0
8. Radiography: none

Model 27 Filter Housings – Materials

Model 27 Filter Housings made by Parker Hannifin Filtration and Separation Division are made from the following list of materials:

Body: - Stainless Steel SA-312 TP316
 Head, Collar, End Cap, Half Socket: - Stainless Steel SA-479 316
 Hot rolled. No cold formed materials are used.