



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 www.tssa.org



STATUTORY DECLARATION Registration of Fittings

I, John D'Antonio Engineering Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Parker Hannifin Corporation, Filtration and Separation Division
(Name of Manufacturer)

Located at 260 Neck Rd, Haverhill, MA, USA
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3 2020 ED
(Title of recognized North American Standard)
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of _____ ISO 9001 which has been verified by the following authority, Det Norske Veritas.

The items covered by this declaration, for which I seek registration, are category E type fittings. In support of this application, the following information and/or test data are attached as follows:

List of design drawings, Design Calculations
(drawings, calculations, test reports, etc.)

Declared before me at Haverhill in the STATE of Massachusetts
 the 6th day of APRIL AD 2022.

Commissioner for Oaths:
KAREN A. Mayer
(Printed name)
Karen A. Mayer
(Signature)

KAREN A. MAYER
 Notary Public, State of New Hampshire
 My Commission expires August 28, 2024

John D'Antonio
(Signature of Declarer)

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To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category E.

CRN: 0E15067.5R1

Registered by: Charley Dong

Dated: July 26, 2022

NOTE: This registration expires on: July 26, 2032

"Part of CRN"
 CRN scope

<p>Technical Standards and Safety Authority</p>	<p>Boilers and Pressure Vessels Safety Program</p>
<p>REGISTERED</p>	
<p>C.R.N.: 0E15067.5R1</p>	
<p>Signed: <u>Charley Dong</u></p>	
<p>Date: <u>July 27, 2022</u></p>	

Project: PVE-17945
Scope of Registration:

The following document goes through the Scope of CRN Renewal for CRN: 0E15067.5

Design Data:

Design Code: ASME B31.3 2020 ED
Design Pressure: 250 psi @130°F
Max Temp: 130 °F
MDMT: -20 °F
Hydrotest: 375 psi @ 70°F
Corrosion Allowance: None
Radiography: None
Impact Testing: None
Impact Exemption: 323.2.2



This Document has been digitally signed and approved. The stamp size has been optimized for 11 x 17 documents.

Body Material: ASTM B85 380 Aluminum. (See drawing D-17017)
Cover Material: ASTM B85 380 Aluminum. (See drawing D-16827)

Submission Information

This submission includes 4 FEA reports that cover all of the different component configurations that are used in the Filter housings. The filters are unusual geometry and cannot be calculated under standard code rules, so FEA's have been run in place of code calculations.

The completed part numbers that will be used in this analysis are as follows:

- C2312N-0A0
- C2104N-0A0
- C2004/N-0A0
- C2208N-0A0

The other part numbers, included in this registration are on the following page. These assemblies all use the same pressure boundary components and differ on the accessory components, such as the filters, plugs and sensors that may be installed into the filter housing.

There are 2 different filter series, the 2000 and 8000. The only differences between the two series are the colours used. They both use the same components and can therefore be placed under the same CRN. Lists of the 2000 and 8000 series parts can be found attached.

The following list contains all the assemblies that are included in the scope of registration:

2000 Series: See Drawing D-17078 for clarification

- C2002N-0A_
- C2002N-0A0-000
- C2002N-0A0-95
- C2002N-0B_
- C2002N-1B_
- C2003N-0A_
- C2003N-0A0-000
- C2003N-0B_
- C2003N-1B_
- C2004N-0A_
- C2004N-0A0-000
- C2004N-0B_
- C2004N-1B_
- C2102N-0B_
- C2102N-1B_
- C2104N-0A_
- C2104N-0A0-000
- C2104N-0A0-95
- C2104N-0B_
- C2104N-1B_
- C2206N-0A_
- C2206N-0A0-000
- C2206N-0B_
- C2206N-1B_
- C2208N-0A_
- C2208N-0A0-000
- C2208N-0B_
- C2208N-1B_
- C2312N-0A_
- C2312N-0A0-000
- C2312N-0B_
- C2312N-1B_

8000 Series: See Drawing D-17688 for clarification

- C8002N-0A_
- C8002N-0A0-000
- C8002N-1A_
- C8003N-0A_
- C8003N-0A0-000
- C8003N-1A_
- C8004N-0A_
- C8004N-0A0-000
- C8004N-1A_
- C8104N-0A_
- C8104N-0A0-000
- C8104N-0A0-95
- C8104N-0A_
- C8104N-1A_
- C8206N-0A_
- C8206N-0A0-000
- C8206N-1A_
- C8208N-0A_
- C8208N-0A0-000
- C8208N-1A_
- C8312N-0A_
- C8312N-0A0-000
- C8312N-1A_