

REGISTRATION OF A PRESSURE FITTING DESIGN

01-Dec-22

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9**Attention: Tanya Francis****File Number: 13371 [0 F]****Re: Manufacturer: Parker Hannifin Instrumentation Products Division**
Item: Regulators
Catalog or Drawing: Per Scope of Registration

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

0C7928.53 Expiry Date: June 13, 2032

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.
Codes and Standards Compliance**Remarks:**

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

CRN renewal - previously registered in Saskatchewan through CSA.

NOTE: You cannot save the DATA you entered on this form, you must print a copy and FAX it or MAIL it!



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N6
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

****See attached**

STATUTORY DECLARATION Registration of Fittings

I, Ken Reid, Division QA Manager

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Parker Hannifin Instrumentation Products Division

(Name of Manufacturer)

Located at 1005 A Cleaner Way, Huntsville, AL, 35805, USA

(Plant Address)

256-881-2040

(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

(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 Parker Hannifin Engineering Standard 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 9001:2015 which has been verified by the following authority, DNV-GL

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

See Attached Submission List

(drawings, calculations, test reports, etc.)

Declared before me at Jacksonville, AL in the County of Calhoun Alabama
the 16th day of November AD 2021

Commissioner for Oaths:

Cayce R. Grimes
(Printed name)
[Signature]
(Signature)

[Signature]
(Signature of Declarer)

FOR OFFICE USE ONLY

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 _____

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: _____

 **Technical
Safety Authority
of Saskatchewan**

Registration No. 0C7928.53

File No. 13371

Registered

Date: December 1, 2022

Expiry Date: June 13, 2032

Codes & Standards Compliance Office

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 08553 (04/17)



Date: October 11, 2021
Reference: Parker Logo Markings

- 1 Primary
Corporate Signature
Minimum Size $\frac{5}{8}$ "



- 2 Small Size
Corporate Signature
Maximum Size $\frac{5}{8}$ "



- 3 Linear
Corporate Signature



- 4 Straight Type
Identification—
Helvetica Light

Parker

- 5 Small Size "P"
Maximum Size $\frac{3}{16}$ "



- 6 Linear "P"



- 7 Straight Type "P"
Identification—
Helvetica Light

P



Registration No. 0C7928.53

File No. 13371

Registered

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Codes & Standards Compliance Office



CRN Renewal: 0C7928.5

IR4000 Series Regulators, IR6000 Series Regulators, NPR4000 Series Regulators, AVR3 Series Regulators, and AVR4 Series Regulators

Parker Hannifin Corporation
Instrumentation Products Division
Huntsville, Alabama

Initial: November 17, 2021

Revised: May 31, 2022



	
Technical Safety Authority of Saskatchewan	
Registration No.	0C7928.53
File No.	13371
<div>Registered</div>	
Date:	December 1, 2022
Expiry Date:	June 13, 2032
Codes & Standards Compliance Office	

Parker Hannifin Corporation
Instrumentation Products Division
1005 A Cleaner Way
Huntsville, AL 35805 USA
Phone (256) 881-2040

Scope of Registration:

Pressure Regulators: IR4000 Series, IR6000 Series, NPR4000 Series, AVR3 Series, and AVR4 Series

Parker is requesting a renewal of CRN 0C7928.5.5. There are no changes to the design and scope of registration under this renewal.

The products listed above currently have active registrations in Canada – Canadian Registration Number (CRN) 0C7928.5ADD2 issued July 3, 2019. This scope of registration is in support of an application to renew the CRN for the named products.

Attached are:

- The catalog for each series of regulators
- A copy of the previous approved design submission
- The Quality certification for the one (1) manufacturing locations
- Appendix A: Scope of Registration

If there are any questions, concerns or you need additional information please contact me on 256-881-2040.

Respectfully,

Laura C. Veal
Quality Engineer

Parker Hannifin Corporation
Instrumentation Products Division
1005 A Cleaner Way
Huntsville, AL 35805 USA
Phone (256) 881-2040
Fax Number (256) 881-5730



Appendix A: Scope of Registration (Taken from Report 2021-0C7928.5)

IR4000 Series Products (Page 3 of Report 2021-0C7928.5):

IR4000 Pressure Reducing Regulator
IR6000 Two-Stage Regulator
NPR4100 Sub-atmospheric Regulator

Product Specification Summary:

Materials of Construction:

360 Brass, ASTM B16 C36000
316L Stainless Steel, ASTM A276 S31603

Operation Conditions:

Temperature	-40°F to 500°F (150° max Brass)
High Pressure (HP) Inlet, MAWP	4000 psig max
Low Pressure (LP)	500 psig
Dome Load Pressure	500 psig

Connections:

Body	1/8", 1/4" FNPT
Dome Load	1/8" FNPT

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AVR3 Vaporizing Regulator, Steam (page 6 of Report 2021-0C7928.5)

AVR4 Vaporizing Regulator, Electric (page 6 of Report 2021-0C7928.5)

Product Specification Summary:

Materials of Construction:

316L Stainless Steel, ASTM A276 S31603
Monel R405, ASTM B164 N04405

Operation Conditions:

Temperature	- 500°F max
High Pressure (HP) Inlet, MAWP	3500 psig max
Low Pressure (LP) Outlet	500 psig
Steam Pressure, AVR3 Heater	600 psig

Connections:

Pipe Thread	1/8", 1/4" FNPT
Low Volume Analytical (GC)	
AVR3 Heater Supply	1/8" FNPT



Date: October 11, 2021

Reference: Parker Manufacturing Locations

Manufacturing Locations:

- 1. Parker Hannifin, Instrumentation Products Division**
1005 A Cleaner Way
Huntsville, Alabama, 35805
USA

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	<input type="button" value="Registered"/>
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