



345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

June 13, 2022

PARKER HANNIFIN - INSTRUMENTATION PRODUCTS DIVISION  
1005 A CLEANER WAY  
HUNSTVILLE AL 35805  
USA

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** 8055645  
**Your Reference No.:** RENEWAL OF CRN#0C7928.5  
**Registered to:** PARKER HANNIFIN - INSTRUMENTATION PRODUCTS DIVISION

Dear LAURA VEAL,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0C7928.5R3  
Main Design No.: RENEWAL – PRESSURE REGULATORS SERIES IR4000, IR6000, NPR4100, AVR3, AND AVR4 – NO CHANGE TO DESIGN AND SCOPE OF REGISTRATION  
Expiry Date: Jun 13, 2032

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Wendy Du  
Engineer, BPV  
Tel. : +1 416-734-3566  
Email : [Wdu@tssa.org](mailto:Wdu@tssa.org)



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

THIS IS PART OF CRN

0C7928.5R3

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety  
Program

**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 6N9  
www.tssa.org

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

## 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 Declarant)

### 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: June 13, 2032

Technical  
Standards  
and Safety  
Authority

Boilers and  
Pressure Vessels  
Safety Program

**REGISTERED**

C.R.N.: 0C7928.5R3

Signed: WJ

Date: June 13, 2022

RENEWAL - SEE SCOPE OF REGISTRATION & LOGO MARKING - NO CHANGE TO DESIGN AND SCOPE - QUALIFIED BY PROOF TESTS.

\*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)



## **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



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

**THIS IS PART OF CRN**  
**0C7928.5R3**  
Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety  
Program

**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

**THIS IS PART OF CRN**

**0C7928.5R3**

Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety  
Program

### 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

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