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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

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 Engineering Standards 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

(drawings, calculations, test reports, etc.)

Declared before me at The UPS STORE 2433, HUNTSVILLE, AL in the ALABAMA of MADISON COUNTY

the 2ND day of DECEMBER AD 20 21.

Commissioner for Oaths:

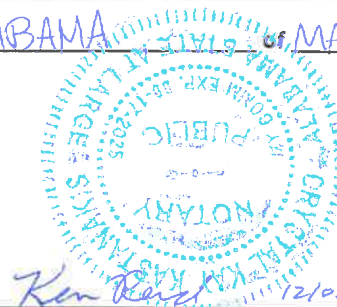
COMM: 891/7/2025

CRYSTAL KAY KOSTANAKIS

(Printed name)

Crystal Kay Kostanakis 12/02/2021

(Signature)



Ken Reid 12/02/2021

(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 C.

CRN:

Registered by:

Dated:



This Document has been digitally signed and approved.

The stamp size has been optimized for 11 x 17 documents.

NOTE: This registration expires on: June 14, 2032

Technical  
Standards  
and Safety  
Authority

Boilers and  
Pressure Vessels  
Safety Program

**REGISTERED**

C.R.N.: 0C7512.5R3

Signed: [Signature]

Date: June 14, 2022.

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

PV 09553 (04/17) Registration Note: registration is as per ASME B31.3

See registration letter for any terms and conditions for this registration.  
June 14, 2022. TSSA



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

**Scope of Registration:**

Pressure Regulators: NOVA and NOVA AOP Series Valves

Parker is requesting a renewal of CRN 0C7512.5Add2. 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) 0C7512.5ADD2 issued March 29, 2018. This scope of registration is in support of an application to renew the CRN for the named products.

Attached are:

- The CRN Report for the NOVA and NOVA AOP Series Valves
- A copy of the previous approved design submission
- The Quality certification for the one (1) manufacturing locations
- Appendix A: Scope of Registration
- Appendix B: Catalog Pages

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

NOVA Valves

### Product Specification Summary:

#### Materials of Construction:

360 Brass, ASTM B16 C36000  
316L Stainless Steel, ASTM A276 S31603  
Monel 405, ASTM B164 N04405

#### Operation Conditions:

Temperature      -15°F to 150°F

MAWP                3500 psig max

Pressure Rating: Refer to Attachment B

Connections: Refer to Attachment B

#### Code of Registration:

Parker Engineering Specifications as noted in the TSSA Statutory Declaration

THIS IS PART OF CRN  
0C7512.5R3  
Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety  
Program

# NOVA / NOVA AOP Series

## NOVA Series Specifications:

Functional Performance	
Pressure Ratings	
<b>Operating Pressure</b>	
Manual Valve	Vacuum to 3500 psig (241 bar)
<b>Proof Pressure</b>	5,250 psi (362 bar)
<b>Burst Pressure</b>	10,500 psi (724 bar)
AOP1, AOP3 Valve	Vacuum to 250 psig (17 bar)
<b>Proof Pressure</b>	375 psi (26 bar)
<b>Burst Pressure</b>	750 psi (52 bar)
AOP2, AOPNO Valve	Vacuum to 500 psig (34 bar)
<b>Proof Pressure</b>	750 psi (52 bar)
<b>Burst Pressure</b>	1,500 psi (103 bar)
<b>Seat Leakage Class</b>	Bubble Tight
<b>Temperature Rating</b>	-15°F to 150°F (-26°C to 66°C)
<b>Flow Capacity</b>	$C_v = 0.17$
<b>Orifice Diameter</b>	.125 inch (3.2 mm)
<b>Internal Volume</b>	Less than 1.0 cc
<b>Approximate Weight</b>	.9 oz. (0.26 kg)

Maximum Actuation Air Pressure	
AOP1 (normally closed)	65 psig (4.5 bar)
AOP2 (normally closed)	75 psig (5.2 bar)
AOP3 (normally closed)	40 psig (2.8 bar)
AOPNO (normally open)	50 psig (3.5 bar)

Material of Construction	
Wetted	
Body	316L Stainless Steel (std)
Diaphragm	Elgiloy®
Seat	PCTFE (std), PEEK™, Vespel®
Non-Wetted	
Bonnet Nut	316 Stainless Steel
Stem	316 Stainless Steel
Knob/Lever	ABS/Aluminum
AOP Actuator	Aluminum

Elgiloy® is a registered trademark of Elgiloy Company  
Vespel® is a registered trademark of DuPont Performance Elastomers L.L.C.  
PEEK™ is a registered trademark of Victrex plc.

**THIS IS PART OF CRN**  
**0C7512.5R3**  
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Program

Valves