the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

June 03, 2026

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, Tracking Number 2026-00345, Web Portal Number 2026-S0296, originally received on January 21, 2026 was surveyed and accepted for registration as follows:

CRN : 0C26370.2 **Accepted on:** June 03, 2026
Reg Type: NEW DESIGN **Expiry Date:** June 03, 2036
Document No. SCOPE OF CRN REGISTRATION [Dated 18-May-26] As Noted
Fitting type: Refrigerent Valves

Design registered in the name of : PARKER HANNIFIN CORPORATION

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

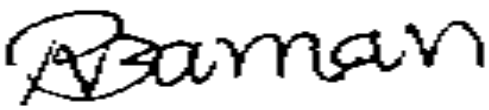
As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.5.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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.

If you have any questions don't hesitate to contact me by phone at (587) 943-8743 or fax (403) 291-4545 or e-mail Rokanuzzaman@absa.ca.

Sincerely,



ROKANUZZAMAN, MOHAMMAD, P. Eng.
DOP Cert. No. D00010592

Alberta Government

ABSA
the pressure equipment safety authority

AB-41 2024-03

STATUTORY DECLARATION
Registration of Fittings
Single or Multiple Fitting Designs within one Fitting Category

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

SPORLAN

I, John Withouse (name of applicant), Sr. Principal Engineer (position title) (must be in a position of authority)

of Parker Hannifin Corporation – Sporlan Division (name of manufacturer)

located at 206 Lange Drive, Washington, MO, 63090, USA (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

☑ comply with the requirements of ASME B31.5, CSA B52 (title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ (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 identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Valves	ISO 9001:2015	See Scope of CRN document	See ISO Certificates	See ISO Certificates	See Worldwide locations appendix
2.						

Tracking #: _____

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

Scope of CRN, Reports

John Withrow
(Signature of the Declarer)

2025/11/21
(Date)

DECLARED before me at Washington (city) in the State of Missouri (province, territory, or state)

this 21st day of November (Month), 2025 (Year)

(print) Paula Pruessner
(a Commissioner of Oaths or Notary Public)

(sign) Paula Pruessner
(a Commissioner of Oaths or Notary Public)

PAULA PRUESSNER
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
MY COMMISSION EXPIRES JULY 6, 2029
FRANKLIN COUNTY
COMMISSION #21938750

07-06-2029
(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: Franklin Co. Missouri
(province, territory, or state)

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, Part 1, Clause 4.2, and is accepted for registration in Category .

CRN:

Registered Date:

Expiry Date: 2036-JUN-03

Signature:
(Signature of the Administrator/SCO)

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

2026-00345
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0C26370.2
See acceptance letter for conditions of registration.
Date: 2026-06-03 By: Rzaman
IOHAMMAD ROKANUZZAMAN, P. Eng.
DOP: D00010592

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Tracking #:

PARKER HANNIFIN CORPORATION
SPORLAN DIVISION
206 LANGE DRIVE
WASHINGTON, MO
63090, USA

SCOPE OF CRN REGISTRATION

Product Description	Type	Design Code	Material Specification		
Refrigerant Ball Valve with Integral Pressure Relief	EBV(T)-PR	ASME B31.5, CSA B52	Valve Body: Forging Brass JIS C37771BE meeting the requirements of ASTM B283 UNS C37700 Valve Tubing: Copper ASTM B543 C19400 (WO61)		
	Design Conditions MAWP at MAWT (psig at °F / barg at °C)			**MDMT (°F / °C)**	**Report Number**
	ODF 3/8" Process Connection: 484 psig at 248°F / 33.4 barg at 120°C ODF 1/2" Process Connection: 484 psig at 248°F / 33.4 barg at 120°C ODF 5/8" Process Connection: 484 psig at 248°F / 33.4 barg at 120°C ODF 3/4" Process Connection: 484 psig at 248°F / 33.4 barg at 120°C ODF 7/8" Process Connection: 558 psig at 248°F / 38.5 barg at 120°C ODF 1-1/8" Process Connection: 484 psig at 248°F / 33.4 barg at 120°C			- 40°F / - 40°C	R-2226A-AB Rev. 0

Product Description	Type	Design Code	Material Specification		
Refrigerant Electric Expansion Valves	SER-HP SERIES	ASME B31.5, CSA B52	Valve Body: Forging Brass EN12164 CW617N / ASTM B283 CW617N Valve Tubing: Copper ASTM B75 UNS C12200 H80		
	Design Conditions MAWP at MAWT (psig at °F / barg at °C)			**MDMT (°F / °C)**	**Report Number**
	Valve Body Independent of Process Connections: 533 psig at 155°F / 36.7 barg at 69°C ODF 3/8" Process Connection: 533 psig at 155°F / 36.7 barg at 69°C ODF 1/2" Process Connection: 533 psig at 155°F / 36.7 barg at 69°C ODF 5/8" Process Connection: 533 psig at 155°F / 36.7 barg at 69°C			- 50°F / - 46°C	R-2226B-AB Rev. 0

PARKER HANNIFIN CORPORATION
SPORLAN DIVISION
206 LANGE DRIVE
WASHINGTON, MO
63090, USA

SCOPE OF CRN REGISTRATION

Product Description	Type	Design Code	Material Specification		
Refrigerant Pulse Modulation Valves	Models SPW-0 thru -7	ASME B31.5, CSA B52	Valve Body: Forging Brass ASTM B283 UNS C37700 Valve Tubing: Copper ASTM B75 UNS C12200 H80		
	Design Conditions MAWP at MAWT (psig at °F / barg at °C)			**MDMT (°F / °C)**	**Report Number**
	Valve Body Independent of Process Connections: 591 psig at 180°F / 40.7 barg at 82°C ODF 3/8" Process Connection: 591 psig at 180°F / 40.7 barg at 82°C ODF 1/2" Process Connection: 591 psig at 180°F / 40.7 barg at 82°C			- 40°F / - 40°C	R-2226C-AB Rev. 0

Product Description	Type	Design Code	Material Specification		
Refrigerant Gas Cooler / Flash Gas Bypass Valves	GC Family and FGB Family	ASME B31.5, CSA B52	Valve Body: Stainless Steel ASTM A479 304/304L, ASTM A182 F304/304L Valve Bonnet: Forging Brass EN12164 CW617N / ASTM B283 CW617N		
	Design Conditions MAWP at MAWT (psig at °F / barg at °C)			**MDMT (°F / °C)**	**Report Number**
	GC Family: NPS 1/2", 3/4", 1" Buttweld, 1/2", 3/4", 1" Tube Socket Weld: 731 psig at 239°F / 50.4 barg at 115°C **FGB Family:** NPS 1" Buttweld, 1-1/8" ODF (Outside Diameter Tube) 747 psig at 239°F / 51.5 barg at 115°C			- 40°F / - 40°C	R-2226D-AB Rev. 0

PARKER HANNIFIN CORPORATION
SPORLAN DIVISION
206 LANGE DRIVE
WASHINGTON, MO
63090, USA

18-May-26

SCOPE OF CRN REGISTRATION

Product Description	Type	Design Code	Material Specification		
Refrigerant Gas Cooler Multi-Purpose Valve	GCM	ASME B31.5, CSA B52	Valve Body: Stainless Steel ASTM A582 303 / ASTM A473 303 Valve Process Connections: Stainless Steel ASTM A479 304/304L		
	Design Conditions MAWP at MAWT (psig at °F / barg at °C)			**MDMT (°F / °C)**	**Report Number**
	Valve Body Independent of Process Connections: 1019 psig at 239°F / 70.3 barg at 115°C ODF 3/8" Process Connection: 1019 psig at 239°F / 70.3 barg at 115°C ODF 1/2" Process Connection: 1019 psig at 239°F / 70.3 barg at 115°C ODF 5/8" Process Connection: 1019 psig at 239°F / 70.3 barg at 115°C ODF 3/4" Process Connection: 1019 psig at 239°F / 70.3 barg at 115°C ODF 7/8" Process Connection: 1019 psig at 239°F / 70.3 barg at 115°C			- 40°F / - 40°C	R-2226E-AB Rev. 0

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by seal materials or other considerations. Please consult Parker literature.

Note 3: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 4: See Attached List of Manufacturing locations applicable to this CRN.

WORLDWIDE LOCATIONS APPENDIX

PARKER HANNIFIN CORPORATION SPORLAN DIVISION
MANUFACTURING LOCATIONS
& CERTIFYING AUTHORITIES

(rev. November 17, 2025)

Head Quarters
206 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by bsi.

Plant 1
711 INDUSTRIAL AVENUE
PLANT 1 I WASHINGTON, MO 63090 USA
ISO 9001 Certified by bsi.

Plant 3
215 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by bsi.

Plant 4
100 PARKER DRIVE
GREENFIELD, TN 38230 USA
ISO 9001 Certified by bsi.

Plant 5
VIA DE FERROCARRIL A MATAMOROS
730, CENTRO. BLVD.
CARLOS SALINAS DE GORTARI Y PROL.
CAMINO A HUINALA.
APODACA, NL CP 66600 MEXICO
ISO 9001 Certified by bsi.

In addition, in accordance with CSA B51 paragraph 4.2.5 Parker Hannifin Corporation Sporlan Division is taking responsibility for the product covered under this CRN that is manufactured at:

ESSEN TECH CO., LTD
15, JAYUMUYEOK 2-GIL,
GUNSAN-SI, JEOLLABUK-DO, KOREA
ISO 9001 Certified by Korean Standards Association