

Montréal, 24 août 2021.

MADAME CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Fabricant : PARKER HANNIFIN CORP.-SPORLAN DIV
206 LANGE DR
WASHINGTON MO
USA 63090

Numéro de dossier : 949094
Numéro(s) de dessin(s) : ZOOMLOCK PUSH PUSH-TO-CONNECT
REFRIGERANT FITTINGS

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0A23313.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7^{ième} étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca

Montréal, le 24 août 2021.

MRS. CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
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CANADA M9W6N9

Manufacturer : PARKER HANNIFIN CORP.-SPORLAN DIV
206 LANGE DR
WASHINGTON MO
USA 63090

OUR REFERENCE : 949094
Design number : ZOOMLOCK PUSH PUSH-TO-CONNECT
REFRIGERANT FITTINGS

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0A23313.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
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Statutory Declaration Registration of Fittings

(a) Design Qualification



I¹ JIM BUDNAR
(Name of applicant)
DIVISION ENGINEERING MANAGER
(Position eg, president, plant manager, chief eng.)
of PARKER HANNIFIN CORPORATION SPORLAN DIVISION
(name of company)
Located at 206 LANGE DRIVE, WASHINGTON, MO, 63090, USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: ASME B31.5, ASME B31.3

Or

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

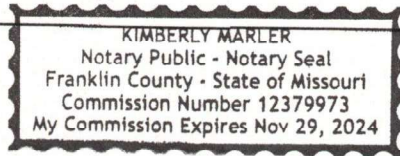
(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency Bureau Veritas, KSA

The fittings² covered by this declaration, for which I seek registration, are CATEGORY A ZOOMLOCK PUSH

In support of the application, the following information, calculations and/or test data are attached:
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Declared before me at Washington Missouri
In the of State of Missouri
The 18 day of February AD 2021
Kimberly Marler
A (commissioner for oaths)



James Budnar
Signature of Declarer

For Official Use Only

The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN _____ For the Chief Inspector _____
Date _____

¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
² All fittings are required to be registered in the name of the Manufacturer.
³ This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.



SCOPE OF CRN REGISTRATION

Product Description	Design Code	Body Material Specification	MAWP at MAWT (psig at °F / barg at °C)	MDMT (°F / °C)	Fitting Type	Size	Parker Part Number	Report Number
ZoomLock Push Push-to-connect Refrigerant Fittings	ASME B31.5, ASME B31.3	Forging Brass ASTM B283 UNS C37700	870 psig at 250°F / 60 barg at 121°C	- 40°F / - 40°C	Couplings R410A Optimized	1/4"	PZKP-C4-HNBR	R-1351 Rev. 0
						3/8"	PZKP-C6-HNBR	
						1/2"	PZKP-C8-HNBR	
						5/8"	PZKP-C10-HNBR	
						3/4"	PZKP-C12-HNBR	
						7/8"	PZKP-C14-HNBR	
					SAE Flare Adapters R410A Optimized	1/4"	PZKP-F4-HNBR	
						3/8"	PZKP-F6-HNBR	
						1/2"	PZKP-F8-HNBR	
						5/8"	PZKP-F10-HNBR	
					Elbows 90 Degree R410A Optimized	1/4"	PZKP-90E4-HNBR	
						3/8"	PZKP-90E6-HNBR	
						1/2"	PZKP-90E8-HNBR	
						5/8"	PZKP-90E10-HNBR	
						3/4"	PZKP-90E12-HNBR	
						7/8"	PZKP-90E14-HNBR	
					Couplings Removable	1/4"	PZKPR-C4	
						3/8"	PZKPR-C6	
						1/2"	PZKPR-C8	
						5/8"	PZKPR-C10	
						3/4"	PZKPR-C12	
						7/8"	PZKPR-C14	
					SAE Flare Adapters Removable	1/4"	PZKPR-F4	
						3/8"	PZKPR-F6	
						1/2"	PZKPR-F8	
						5/8"	PZKPR-F10	
					Elbows 90 Degree Removable	1/4"	PZKPR-90E4	
						3/8"	PZKPR-90E6	
1/2"	PZKPR-90E8							
5/8"	PZKPR-90E10							
3/4"	PZKPR-90E12							
7/8"	PZKPR-90E14							





SCOPE OF CRN REGISTRATION

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: The pressure-temperature ratings shown are acceptable when the ZoomLock Push fittings are installed on copper tube that has a ASME B31.5 Table 502.3.1-1 minimum allowable stress value that is equal to or greater than the values listed for ASTM B280 UNS C12200 H58 tubing. Installation of the ZoomLock Push fittings on copper tubing with lower allowable stress values than that shown for ASTM B280 UNS C12200 H58 may result in the maximum allowable pressure ratings of the system to be lower than that shown above.

Note 4: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 5: See Attached List of Manufacturing locations applicable to this CRN.





WORLDWIDE LOCATIONS APPENDIX

**PARKER HANNIFIN CORPORATION SPORLAN DIVISION
MANUFACTURING LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. January 26, 2021)

Head Quarters

206 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 1

711 INDUSTRIAL AVENUE
PLANT 1 | WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 3

215 LANGE DRIVE
WASHINGTON, MO 63090 USA
ISO 9001 Certified by Bureau Veritas

Plant 4

100 PARKER DRIVE
GREENFIELD, TN 38230 USA
ISO 9001 Certified by Bureau Veritas

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 Bureau Veritas



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