

Montréal, 14 avril 2023.

MADAME TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Fabricant : PARKER HANNIFIN MFG FRANCE SAS
1 ANDRE ET YVONNE MEYNIER
PARC ALCYONE BAT D RENNES CEDEX
FRANCE FR-35069

Numéro de dossier : 946257

Numéro(s) de dessin(s) : R-1812A rev 0 23 nov 22

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 : **0A15761.56**.

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, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca

Montréal, le 14 avril 2023.

MRS. TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Manufacturer : PARKER HANNIFIN MFG FRANCE SAS
1 ANDRE ET YVONNE MEYNIER
PARC ALCYONE BAT D RENNES CEDEX
FRANCE FR-35069

OUR REFERENCE : 946257
Design number : R-1812A rev 0 23 nov 22

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): **0A15761.56.**

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

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	TRANSAIR MODULAR PIPE SYSTEM	
2	SCOPE OF CRN, REPORTS	
3	DRAWINGS	
4	CALCULATIONS	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Olivier Nadou General Manager,
(Name of the person in charge) (Title of the person in charge)
from Parker Hannifin Manufacturing, located at 1 Rue Andre et Yvonne Meynier, Rennes, France, 35069
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or ASME B31.3, B31.1

☐ are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001:2015, and has been verified by AFNOR.
(Name of code) (Authorized agency)

Signature of the person in charge: _____ Date (yyyy-mm-dd): 05-12-2022

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____.
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

Stamp the seal:

Je soussigné ~~Notaire~~ Thierry ANDRIER -
Notaire à ANNEMASSE (Haute-Savoie)
CERTIFIE ET ATTESTE
que la signature apposée sur la page 1
émane bien de M. Olivier NADOU.

À Annemasse,
Le 05-12-2022



4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):

Registration date (yyyy-mm-dd):



Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

**PARKER HANNIFIN
MANUFACTURING FRANCE**

1, rue Andre et Yvonne Meynier,
Parc Alcyone Bat D
35069 Rennes Cedex (France)



23-Nov-22

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SCOPE OF CRN REGISTRATION

Pipe Sizes:	1/2" (16.5mm), 1" (25mm), 1-1/2" (40mm), 2" (50mm), 2-1/2" (63mm)				
Product Description	Design Code	Fitting Body Material	CRN MAWP at MAWT (Note 1,2,3)	MDMT	Design Report No.
Transair Modular Pipe System	ASME B31.3, ASME B31.1	Nylon (See Note 4), Aluminum (See Note 5), Brass (See Note 6)	145 psig at 140°F / 10 barg at 60°C	-4°F / -20°C	R-1812A Rev. 0
Description	Size		Part No.	Material	
Male Threaded NPT 90 Elbow	1/2" (16.5mm) x 1/4" NPT		6609 17 14	Nylon, Brass	
	1/2" (16.5mm) x 1/2" NPT		6609 17 22	Nylon, Brass	
	1" (25mm) x 1/2" NPT		6609 25 22	Nylon, Brass	
	1" (25mm) x 3/4" NPT		6609 25 28	Nylon, Brass	
	1" (25mm) x 1" NPT		6609 25 35	Nylon, Brass	
	1-1/2" (40mm) x 1" NPT		6609 40 35	Nylon, Brass	
	1-1/2" (40mm) x 1-1/4" NPT		6609 40 43	Nylon, Brass	
	1-1/2" (40mm) x 1-1/2" NPT		6609 40 50	Nylon, Brass	
	1-1/2" (40mm) x 2" NPT		6609 40 44	Nylon, Brass	
	2" (50mm) x 1-1/2" NPT		6609 50 50	Nylon, Aluminum	
	2" (50mm) x 2" NPT		6609 50 44	Aluminum	
	2-1/2" (63mm) x 2-1/2" NPT		6609 63 41	Aluminum	
	2-1/2" (63mm) x 3" NPT		6609 63 46	Aluminum	
Male Threaded NPT 45 Elbow	1" (25mm) x 1/2" NPT		6619 25 22	Nylon, Brass	
	1" (25mm) x 3/4" NPT		6619 25 28	Nylon, Brass	
	1" (25mm) x 1" NPT		6619 25 35	Nylon, Brass	
	1-1/2" (40mm) x 1" NPT		6619 40 35	Nylon, Brass	
	1-1/2" (40mm) x 1-1/4" NPT		6619 40 43	Nylon, Brass	
	1-1/2" (40mm) x 1-1/2" NPT		6619 40 50	Nylon, Brass	
	1-1/2" (40mm) x 2" NPT		6619 40 44	Nylon, Brass	
	2" (50mm) x 1-1/2" NPT		6619 50 50	Nylon, Aluminum	
	2" (50mm) x 2" NPT		6619 50 44	Aluminum	
	2-1/2" (63mm) x 2" NPT		6619 63 44	Aluminum	
45 Elbow	2-1/2" (63mm)		6612 63 00	Nylon	
Reducing Tee	2" (50mm) x 1" (25mm)		6604 50 25	Nylon, Aluminum	
	2-1/2" (63mm) x 2" (50mm)		6604 63 50	Aluminum	
Plug-In Reducer	2" (50mm) x 1" (25mm)		6666 25 50	Nylon, Aluminum	
	2" (50mm) x 1-1/2" (63mm)		6666 40 50	Nylon, Aluminum	

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MANUFACTURING FRANCE

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 Parc Alcyone Bat D
 35069 Rennes Cedex (France)



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SCOPE OF CRN REGISTRATION

Description	Size	Part No.	Material
Male Threaded NPT Connector	1/2" (16.5mm) x 1/4" NPT	6605 17 14	Nylon, Brass
	1/2" (16.5mm) x 1/2" NPT	6605 17 22	Nylon, Brass
	1" (25mm) x 1/2" NPT	6605 25 22	Nylon, Brass
	1" (25mm) x 3/4" NPT	6605 25 28	Nylon, Brass
	1" (25mm) x 1" NPT	6605 25 35	Nylon, Brass
	1-1/2" (40mm) x 1" NPT	6605 40 35	Nylon, Brass
	1-1/2" (40mm) x 1-1/4" NPT	6605 40 43	Nylon, Brass
	1-1/2" (40mm) x 1-1/2" NPT	6605 40 50	Nylon, Brass
	1-1/2" (40mm) x 2" NPT	6605 40 44	Nylon, Brass
	2" (50mm) x 1-1/2" NPT	6605 50 50	Nylon, Aluminum
	2" (50mm) x 2" NPT	6605 50 44	Aluminum
	2-1/2" (63mm) x 2" NPT	6605 63 44	Aluminum
	2-1/2" (63mm) x 2-1/2" NPT	6605 63 41	Aluminum
	2-1/2" (63mm) x 3" NPT	6605 63 46	Aluminum
Male Threaded NPT Stud Adapter	1" (25mm) x 1/2" NPT	6615 25 22	Nylon, Brass
	1" (25mm) x 3/4" NPT	6615 25 28	Nylon, Brass
	1" (25mm) x 1" NPT	6615 25 35	Nylon, Brass
	1-1/2" (40mm) x 1-1/4" NPT	6615 40 43	Nylon, Brass
	1-1/2" (40mm) x 1-1/2" NPT	6615 40 50	Nylon, Brass
	2" (50mm) x 1-1/2" NPT	6615 50 50	Nylon, Aluminum
	2" (50mm) x 2" NPT	6615 50 44	Aluminum
Male Threaded NPT Stud Nut	1/2" (16.5mm) x 1/2" NPT	6611 17 22	Brass
	1" (25mm) x 1/2" NPT	6611 25 22	Brass
	1" (25mm) x 3/4" NPT	6611 25 28	Brass
	1" (25mm) x 1" NPT	6611 25 35	Brass
	1-1/2" (40mm) x 1" NPT	6611 40 35	Brass
	1-1/2" (40mm) x 1-1/4" NPT	6611 40 43	Brass
	1-1/2" (40mm) x 1-1/2" NPT	6611 40 50	Brass
	1-1/2" (40mm) x 2" NPT	6611 40 44	Brass
	2" (50mm) x 2" NPT	6611 50 44	Brass
	2" (50mm) x 1-1/2" NPT	6611 50 50	Brass
	2-1/2" (63mm) x 2" NPT	6611 63 44	Brass
	2-1/2" (63mm) x 2-1/2" MNPT	6611 63 41	Brass

PARKER HANNIFIN
MANUFACTURING FRANCE

1, rue Andre et Yvonne Meynier,
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 35069 Rennes Cedex (France)



23-Nov-22

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SCOPE OF CRN REGISTRATION

Description	Size	Part No.	Material
Male Threaded NPT Adapter	1/2" (16.5mm) x 1/2" NPT	6621 17 22	Brass
	1" (25mm) x 1/2"	6621 25 22	Brass
	1" (25mm) x 3/4" NPT	6621 25 28	Brass
	1" (25mm) 1" NPT	6621 25 35	Brass
	1-1/2" (40mm) x 1-1/4" NPT	6621 40 43	Brass
	1-1/2" (40mm) x 1-1/2" NPT	6621 40 50	Brass
Simple Reducing Bracket	1/2"(16.5mm)x1/2"(16.5mm)	RA69 25 17	Nylon
	1-1/2"(40mm) x 1"(25mm)	RA69 40 25	Nylon
	2" (50mm) x 1" (25mm)	RA69 50 25	Nylon
	2-1/2"(63mm) x 1"(25mm)	RA69 63 25	Nylon
Female Threaded NPT Simple Reducing Bracket	1" (25mm) x 1/2" NPT	RA68 25N04	Nylon, Brass
	1-1/2" (40mm) x 1/2" NPT	RA68 40N04	Nylon, Brass
	2" (50mm) x 1/2" NPT	RA68 50N04	Nylon, Brass
	2" (50mm) x 1" NPT	RA68 50N08	Nylon, Brass
	2-1/2" (63mm) x 1" NPT	RA68 63N08	Nylon, Brass
	2-1/2" (63mm) x 1/2" NPT	RA68 63N04	Nylon, Brass
Quick Assembly Bracket	1-1/2"(40mm)x1/2"(16.5mm)	6662 40 17	Nylon
	1-1/2"(40mm) x 1"(25mm)	6662 40 25	Nylon
	2" (50mm) x 1" (25mm)	6662 50 25	Nylon
	2-1/2"(63mm) x 1"(25mm)	6662 63 25	Nylon
Female Threaded NPT Quick Assembly Bracket	1-1/2" (40mm) x 1/2" NPT	6663 40 22	Nylon, Brass
	2" (50mm) x 1/2" NPT	6663 50 22	Nylon, Brass
	2" (50mm) x 3/4" NPT	6663 50 28	Nylon, Brass
	2-1/2" (63mm) x 1/2" NPT	6663 63 22	Nylon, Brass
	2-1/2" (63mm) x 3/4" NPT	6663 63 28	Nylon, Brass
	1/2" (16.5mm) x 1/2" x 1/4"	6640 17 22	Nylon, Brass
1 Port 45 Wall Bracket - Threaded NPT Port	1" (25mm) x 1/2" x 1/4"	6640 25 22	Nylon, Brass
Threaded NPT 1 Port 45 Wall Bracket	1/2" x 1/4" x 1/2"	6642 22 22	Brass
2 Port 45 Wall Bracket - Threaded NPT Port	1/2" (16.5mm) x 1/2" x 1/4"	6689 17 22	Nylon, Brass
	1" (25mm) x 1/2" x 1/4"	6689 25 22	Nylon, Brass
Threaded NPT 2 Port 45 Wall Bracket	1/2" x 1/4" x 1/2"	6691 22 22	Brass
2 Port 90 Wall Bracket - Threaded NPT Port	1/2" (16.5mm) x 1/2" x 1/4"	6684 17 22	Nylon, Brass
	1" (25mm) x 1/2" x 1/4"	6684 25 22	Nylon, Brass

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35069 Rennes Cedex (France)



23-Nov-22

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SCOPE OF CRN REGISTRATION

Description	Size	Part No.	Material
Threaded NPT 2 Port 90 Wall Bracket	1/2" x 1/4" x 1/2"	6688 22 22	Brass
3 Port Wall Bracket - Threaded NPT Port	1" (25mm) x 1/2" x 1/4"	6696 25 22	Nylon, Brass
Threaded NPT 3 Port Wall Bracket	1/2" x 1/4" x 3/4"	6636 28 22	Brass

Notes:

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

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

3) The CRN pressure-temperature ratings are valid when the Parker fittings are installed on Aluminum UNS A96063 with the following nominal wall thickness:

16.5mm OD x 1.70mm wall
25mm OD x 1.50mm wall
40mm OD x 1.50mm wall
50mm OD x 1.70mm wall
63mm OD x 2.00mm wall

4) Nylon = Nylon 66 GF30% equal to PA66 30% GF as stated in Parker Standard BES 9301

5) Aluminum = Aluminum Alloy Group AlSi9Cu Numerical EN AC-46500 Chemical Symbols EN AC-Al Si9Cu3(Fe)(Zn) in accordance with EN 1706

6) Brass = Brass CW614N CuZn39Pb3 in accordance with EN 12164

7) See Attached List of Manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX

PARKER HANNIFIN MANUFACTURING FRANCE SAS MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

(rev. May, 2022)

PARKER HANNIFIN MFG FRANCE SAS
LOW PRESSURE CONNECTORS DIVISION EUROPE
PARC ALCYONE - BATIMENT D
1 RUE ANDRE ET YVONNE MEYNIER
RENNES
FRANCE
35069
ISO 9001 Certified by AFNOR

PARKER HANNIFIN MFG FRANCE SAS
LOW PRESSURE CONNECTORS DIVISION EUROPE
ROUTE DE QUESTEMBERT
BEL AIR
MUZILLAC
FRANCE
56190
ISO 9001 Certified by AFNOR

PARKER HANNIFIN MFG FRANCE SAS
LOW PRESSURE CONNECTORS DIVISION EUROPE
LA CROIX DES 5 CHEMINS
BAILLE
FRANCE
35460
ISO 9001 Certified by AFNOR

PARKER HANNIFIN MFG FRANCE SAS
LOW PRESSURE CONNECTORS DIVISION EUROPE
SAINT-MARCEL
MALESTROIT
FRANCE
56140
ISO 9001 Certified by AFNOR