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www.tssa.org

February 22, 2023

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8229843
Your Reference No.: R-1793
Registered to: Parker Hannifin Manufacturing France

Dear SCOTT ISLIP,

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

CRN : 0H15761.5R3

Main Design No.: Scope of CRN registration (Renewal to CRN 0H15761.5), Manufacturers' list, Design Report
Expiry Date: 2033-2-22

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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ruiming You P,ENG
Engineer, BPV
Tel. : +1 416-734-3428
Email : ryou@tssa.org



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, Olivier Nadou, General Manager

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Parker Hannifin Manufacturing France SAS

(Name of Manufacturer)

Located at 1 Rue Andre et Yvonne Meynier, Rennes, France, 35069

(Plant Address)

(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
ASME B31.3, B31.1

(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 _____ 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, AFNOR.

The items covered by this declaration, for which I seek registration, are category H-Transair Modular PipeSystem type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at Annemasse in the office of notary

the 5 day of December AD 20 22

Commissioner for Oaths:

Thierry ANDRIER

(Printed name)

(Signature)



(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 _____.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: **Feb 22, 2033**

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0H15761.5R3

Signed: Ruij

Date: **February 21, 2023.**

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

**PARKER HANNIFIN
MANUFACTURING FRANCE**

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



09-Oct-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	Pipe Material	CRN MAWP at MAWT (Note 1,2,3)		MDMT	Design Report No.
Transair Modular Pipe System	ASME B31.3, ASME B31.1	Aluminum ASTM B241 Grade 6063 UNS A96063-T5 Welded (Note 4)	Size 1/2" (16.5mm): 203 psig at 140°F / 14 barg at 60°C Size 1" (25mm): 145 psig at 140°F / 10 barg at 60°C Size 1-1/2" (40mm): 145 psig at 140°F / 10 barg at 60°C Size 2" (50mm): 200 psig at 140°F / 13.8 barg at 60°C Size 2-1/2" (63mm): 150 psig at 140°F / 10.3 barg at 60°C		-4°F / -20°C	R-1793 Rev. 0
Description		Part No.				
		Size 1/2" (16.5mm)		Size 1" (25mm)	Size 1-1/2" (40mm)	
Blue Pipe		1012A17 04 00		1012A25 04 00	1012A40 04 00	
		1014A17 04		1016A25 04 00	1016A40 04 00	
		Size 2" (50mm)		Size 2-1/2" (63mm)		
		1013A50 04		1013A63 04		
		1016A50 04		1016A63 04		
Description		Part No.				
		Size 1/2" (16.5mm)		Size 1" (25mm)	Size 1-1/2" (40mm)	
Grey Pipe		1012A17 06 00		1016A25 06 00	1016A40 06 00	
		Size 2" (50mm)		Size 2-1/2" (63mm)		
		1016A50 06		1016A63 06		
Description		Part No.				
		Size 1/2" (16.5mm)		Size 1" (25mm)	Size 1-1/2" (40mm)	
Green Pipe		1014A17 02		1016A25 02 00	1016A40 02 00	
		Size 2" (50mm)		Size 2-1/2" (63mm)		
		1016A50 02		1016A63 02		

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.

**PARKER HANNIFIN
MANUFACTURING FRANCE**

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



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SCOPE OF CRN REGISTRATION CONTINUED

Notes Continued:

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) Other Tempers and Grades of ASTM B241 Grade 6063 UNS A96063 aluminum may be used that have a ASME B31.3 or ASME B31.1 published allowable stress that is equal to or larger than Aluminum ASTM B241 Grade 6063 UNS A96063-T5 Welded.

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

6) In addition, in accordance with CSA B51 paragraph 4.2.5 Parker Hannifin Manufacturing France is taking responsibility for the product covered under this CRN that is manufactured at:

Aluminio de Baja California S.A. de C.V.

Calle Monferrato 6701, San Antonio de los Buenos, C.P. 22563,
Tijuana, Baja California, Mexico

Aluminium France Extrusion

Route du Tonnerre – BP 65
89600 Saint-Florentin, France



WORLDWIDE LOCATIONS APPENDIX

PARKER HANNIFIN MANUFACTURING FRANCE SAS MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

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Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

(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