



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

September 14, 2022

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8164658
Your Reference No.: R-1679 - RENEWAL OF CRN#0A15761.5
Registered to: PARKER HANNIFIN MANUFACTURING FRANCE SAS

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 : 0A15761.5R3
Main Design No.: SCOPE OF CRN REGISTRATION
Expiry Date: Sep 14, 2032

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,

Amir Hariri P.Eng.
Engineer, BPV
Tel. : +1 416-734-3461
Email : ahariri@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 A-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.)

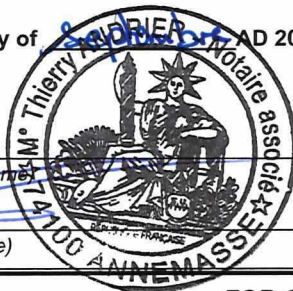
Declared before me at Annemasse in the office of Thierry ANDRIER

the 04 day of September AD 2022.

Commissioner for Oaths:

(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 A.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: September 14, 2032

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0A15761.5R3

Signed: [Signature]

Date: September 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)

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

**PARKER HANNIFIN
MANUFACTURING FRANCE**

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



THIS IS PART OF CRN

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Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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SCOPE OF CRN REGISTRATION

Fitting Sizes: 1/2" (16.5mm), 1" (25mm), 1-1/2" (40mm)					
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 66 GF30% equal to PA66 30% GF	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	-4°F / -20°C	R-1679A Rev. 0
Description		Part No.			
		Size 1/2" (16.5mm)	Size 1" (25mm)	Size 1-1/2" (40mm)	
Pipe to Pipe Connector		6606 17 00	6606 25 00	6606 40 00	
Elbow		6602 17 00	6602 25 00	6602 40 00	
45° Elbow			6612 25 00	6612 40 00	
Equal Tee		6604 17 00	6604 25 00	6604 40 00	
Plug-in Reducer			6666 17 25		
End Cap		6625 17 00	6625 25 00	6625 40 00	
Male Stud Fitting		6605 17 13	6605 25 21	6605 40 34	
Male Adapter		6621 17 21	6621 25 21	6621 40 42	
1 Port Wall Bracket		6639 17 21	6639 25 21		
Manifold			6651 25 12 04	6651 40 12 04	
Direct Feed Bracket			RA65 25 04	RA65 40 04	
Plug-in Reducer			6666 25 40		

Fitting Sizes: 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	Aluminum Alloy (See Note 4)	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-1679B Rev. 0
Description		Part No.			
		Size 2" (50mm)	Size 2-1/2" (63mm)		
Pipe to Pipe Connector		6606 50 00	6606 63 00		
Elbow		6602 50 00	6602 63 00		
45° Elbow		6612 50 00			
Equal Tee		6604 50 00	6604 63 00		
Inequal Tee		6604 50 40	6604 63 40		
Plug-in Reducer		6666 50 63	6666 40 63		
End Cap		6625 50 00	6625 63 00		

**PARKER HANNIFIN
MANUFACTURING FRANCE**

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



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SCOPE OF CRN REGISTRATION CONTINUED

Description	Part No.	
	Size 2" (50mm)	Size 2-1/2" (63mm)
Male Stud Fitting	6605 50 48	6605 63 48
Male Stud Elbow Fitting	6609 50 49	
Male Stud 45° Elbow Fitting	6619 50 49	
Male Stud Fitting	6615 50 49	
Quick Assembly Brackets	RA65 50 04	
Quick Assembly Brackets	6661 50 27	6661 63 21

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) Fitting Body: Aluminum Alloy Group AISi9Cu Numerical EN AC-46500 Chemical Symbols EN AC-AI Si9Cu3(Fe)(Zn) in accordance with EN 1706.

5) 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

N° 1993/1203.17

AFNOR Certification certifie que le système de management mis en place par :
AFNOR Certification certifies that the management system implemented by:

PARKER HANNIFIN MANUFACTURING FRANCE

pour les activités suivantes :
for the following activities:

**CONCEPTION, PRODUCTION ET VENTE DE SYSTEMES DE RACCORDEMENT ET DE
ROBINETTERIE DESTINES AU TRANSPORT ET A LA REGULATION DE FLUIDES INDUSTRIELS.**

**DESIGN, PRODUCTION AND SALE OF CONNECTION EQUIPMENT, VALVES AND FITTINGS FOR
INDUSTRIAL FLUID TRANSPORT OR REGULATION SYSTEMS.**

a été évalué et jugé conforme aux exigences requises par :
has been assessed and found to meet the requirements of:

ISO 9001 : 2015

et est déployé sur les sites suivants :
and is developed on the following locations:

**1, rue André et Yvonne Meynier Parc Alcyone Bât. D FR-35069 RENNES CEDEX
Bel Air FR-56190 MUZILLAC**

La Croix des 5 Chemins FR-35460 BAILLE

ZA du Minio FR-56140 SAINT MARCEL

PARKER HANNIFIN BELUX BRANCH : ZI des Hauts Sarts Avenue du Parc Industriel 213 BE-4041 MILMORT

PARKER HANNIFIN MFG SPAIN SL : P.I. Santa Margarita C/Anoia 5A ES-08223 TERRASSA BARCELONA

Ce certificat est valable à compter du (année/mois/jour)
This certificate is valid from (year/month/day)

2021-06-10

Jusqu'au
Until

2024-06-09

SignatureFournisseur



Julien NIZRI
Directeur Général d'AFNOR Certification
Managing Director of AFNOR Certification

*Flashez ce QR
Code pour vérifier la
validité du certificat*

Seul le certificat électronique, consultable sur www.afnor.org, fait foi en temps réel de la certification de l'organisme. The electronic certificate only, available at www.afnor.org, attests in real-time that the company is certified. Accréditation COFRAC n° 4-0001, Certification de Systèmes de Management. Portée disponible sur www.cofrac.fr. COFRAC accreditation n° 4-0001, Management Systems Certification. Scope available on www.cofrac.fr. AFAQ est une marque déposée. AFAQ is a registered trademark - CERTIF 0956.9/07-2020