

2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

27-Mar-23

TSSA 345 Carlingview Drive Toronto, Ontario M9W 6N9

Attention: Tanya Francis File Number: 13558 [0 F]

Re: Manufacturer: Parker Hannifin Manufacturing France SAS Item: Transair Modular Pipe System Fittings

Catalog or Drawing: Scope of Registration (23-Nov-22) & Design Reports R-1812A Rev. 0

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OA15761.53 Expiry Date: September 14, 2032

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng.

Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

See Worldwide Locations Appendix (rev. May, 2022) for list of manufacturing locations.



Registered

Date:

Expiry Date:

March 27, 2023

September 14, 2032

Codes & Standards Compliance Office

2202 2nd Ave. Regina, SK S4R 1K3

PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

	TSK-100
I. Declaration Information	。
I, Olivier Nadou	, In this space, show facsimile of
General Manager	, manufacturer's logo or trademark as it will appear on the fitting.
(company title, e.g. vice president, pl (must be in a position of authority in the manufac	ant manager, chief engineer) turing plant where the fitting is produced)
of: Parker Hannifin Manufacturing France SA	
(name of ma	
located at: 1 Rue Andre et Yvonne Meynier, (Plant Address – Apt/Street)	(City,Prov) (Postal Code)
	ereinunder, which are subject to the Saskatchewan Boiler and Pressure
Comply with the requirements of AS	ME B31.3, B31.1 which specifies the dimensions,
	le of recognized North American Standard) emperature ratings and identification marking of the fittings, or
Are not covered by the provisions of a	a recognized North American standard and are therefore manufactured
to comply with	as supported by the attached
	materials of construction, pressure / temperature ratings and the basis
for such ratings, and the marking of th	
	se fittings is controlled by a quality control program which has been
verified by the following authority, ISO 9001	: 2015 AFNOR as being suitable for the manufacturer fittings covered by this declaration, for which I seek registration, are
CATEGORY A - TRANSAIR MODULAR PIPE SY	
In support of this application, the following in	formation, calculations and / or test data are attached:
SCOPE OF CRN, DRAWINGS, CAL	
COOL E OF CHAN, DIGWINGS, OAE	
II Destantion	
II. Declaration	MIER.
DECLARED before me at	of notary
this 5 day of Delision	2022 88800
Thierry ANDRIGE	(Cignothus)
(print name)	(Signature)
(Signature of Commissioner of Oaths)	59
III. Office Use Only	ALTERNATION OF THE PROPERTY OF
	cation meets the requirements of the Boiler and Pressure Vessel Safety Act and
Technical Safety Authority	(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
of Saskatchewan	(For the Administrator / Chief Inspector)
Registration No. 0A15761.53	-
File No13558	- TSK-1008

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



Registration No. 0A15761.53
File No. 13558
Registered
Date: March 27, 2023
Expiry Date: September 14, 2032
Codes & Standards Compliance Office

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23-Nov-22

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Fitting Body Material	CRN MAWP at MAWT (Note 1,2,3)	MDMT	Design Report No.
Fransair Modular	ASME B31.3,	Nylon (See Note 4),	145 psig at 140°F / 10 barg at 60°C	-4°F / -20°C	R-1812A Rev.
Pipe System	ASME B31.1	Aluminum (See Note 5),	The penglat the try he bang at object	11 / 20 0	TO 12/CITOV.
i ipe Oystein	NOWL BOTT	Brass (See Note 6)			
Desc	ription	Size	Part No.	Ma	terial
Male Threaded	NPT 90 Elbow	1/2" (16.5mm) x 1/4" NPT	6609 17 14	Nylon, Brass Nylon, Brass	
		1/2" (16.5mm) x 1/2" NPT	6609 17 22		
		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 Nylon, Brass Nylon, Brass Nylon, Brass Nylon, Brass Nylon, Brass	
		1-1/2" (40mm) x 1" NPT	6609 40 35		
		1-1/2" (40mm) x 1-1/4" NPT	6609 40 43		
		1-1/2" (40mm) x 1-1/2" NPT	6609 40 50		
		1-1/2" (40mm) x 2" NPT	6609 40 44		
		2" (50mm) x 1-1/2" NPT	6609 50 50	Nylon, A	Aluminum
		2" (50mm) x 2" NPT	6609 50 44	Alur	ninum
		2-1/2"(63mm) x 2-1/2" NPT	6609 63 41	Alur	ninum
		2-1/2" (63mm) x 3" NPT	6609 63 46	Alur	ninum
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		, Brass	
		1-1/2" (40mm) x 2" NPT	6619 40 44	6619 40 44 Nylon, Brass	
		2" (50mm) x 1-1/2" NPT	6619 50 50	6619 50 50 Nylon, Aluminum	
		2" (50mm) x 2" NPT	6619 50 44	Alur	ninum
		2-1/2" (63mm) x 2" NPT	6619 63 44	Alur	ninum
45 Elbow 2-1/2" (63mm)		6612 63 00	Nylon		
Reduc	ing Tee	2" (50mm) x 1" (25mm)	6604 50 25	Nylon, A	Aluminum
	-	2-1/2" (63mm) x 2" (50mm)	6604 63 50	Alur	ninum
Plug-In	Reducer	2" (50mm) x 1" (25mm)	6666 25 50	Nylon, A	Aluminum
Ŭ		2" (50mm) x 1-1/2" (63mm)	6666 40 50		Aluminum

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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
Ī	1" (25mm) x 1/2" NPT	6605 25 22	Nylon, Brass
Ī	1" (25mm) x 3/4" NPT	6605 25 28	Nylon, Brass
Ī	1" (25mm) x 1" NPT	6605 25 35	Nylon, Brass
Ī	1-1/2" (40mm) x 1" NPT	6605 40 35	Nylon, Brass
Ī	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
Ī	1-1/2" (40mm) x 2" NPT	6605 40 44	Nylon, Brass
Ī	2" (50mm) x 1-1/2" NPT	6605 50 50	Nylon, Aluminum
Ī	2" (50mm) x 2" NPT	6605 50 44	Aluminum
	2-1/2" (63mm) x 2" NPT	6605 63 44	Aluminum
Ī	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
Ī	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
Ī	2" (50mm) x 1-1/2" NPT	6615 50 50	Nylon, Aluminum
Ī	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
Ī	1" (25mm) x 1/2" NPT	6611 25 22	Brass
	1" (25mm) x 3/4" NPT	6611 25 28	Brass
Ī	1" (25mm) x 1" NPT	6611 25 35	Brass
	1-1/2" (40mm) x 1" NPT	6611 40 35	Brass
Ī	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
Ī	2-1/2" (63mm) x 2" NPT	6611 63 44	Brass
Ī	2-1/2" (63mm) x 2-1/2" MNPT	6611 63 41	Brass

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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	1" (25mm) x 1/2" NPT	RA68 25N04	Nylon, Brass
Bracket	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	1-1/2" (40mm) x 1/2" NPT	6663 40 22	Nylon, Brass
Bracket	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 Port 45 Wall Bracket - Threaded NPT	1/2" (16.5mm) x 1/2" x 1/4"	6640 17 22	Nylon, Brass
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	1/2" (16.5mm) x 1/2" x 1/4"	6689 17 22	Nylon, Brass
Port	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	1/2" (16.5mm) x 1/2" x 1/4"	6684 17 22	Nylon, Brass
Port	1" (25mm) x 1/2" x 1/4"	6684 25 22	Nylon, Brass

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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

