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Toronto, Ontario M9W 6N9
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www.tssa.org

June 07, 2018

PETER PRANGE
PARKER HANNIFIN CANADA INC
4635 DURHAM RD S P.O. BOX 158
GRIMSBY ON L3M 4G4
CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2259636

Your Reference No.: ADDENDUM TO CRN 0B15184.5 TO INCLUDE ALL MATERIALS LISTED

Registered to: PARKER HANNIFIN INSTRUMENTATION PRODUCTS

Dear PETER PRANGE,

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

CRN No.: 0B15184.5ADD1

Main Design No.: ADD1 The addition of optional material SB462-N10276 (Alloy C276), SB564-N08825 (Incolloy 825) & SA182 F44 (6Mo Stainless Steel)

Expiry Date: 22-Mar-2022

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

NOTE: The subject CRN includes only flanges with adapter extension. The Parker A-LOK Compression fitting has separate CRN 0A6793.5R3 which is valid until January 9, 2022.

The stamped copy of the approved registration and the invoice are mailed separately. 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,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9V 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, Marcus Ashford, Site Engineering Manager

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

of Parker Hannifin IPDE

(Name of Manufacturer)

Located at Riverside Road, Barnstaple, Devon UK E32 1NP with add'l mfg at 26 44 (0)1271 313131 44 (0)1271 373636
(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

(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 ASME B31.3 and ASMBE B16.5 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, DNV MANAGEMENT SYSTEMS.

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

FCB Report NB CRN 0A6793.5 exists with respect for a portion of this design

(drawings, calculations, test reports, etc.)

Declared before me at Barnstaple in the County of Devon

the 26th day of February AD 2018.

Commissioner for Oaths:

MAURICE CHAPMAN
(Printed name)

[Signature]
(Signature) Notary Public

[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 'B'.

CRN:

Registered by:

Dated:

NOTE: This registration expires on:

0B/5/84.5ADD1
MARK VALCIC, P. ENG.
JUNE 7, 2018

MARCH 22, 2022

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.

Signed:

Date:

0B/5/84.5ADD1
[Signature]
JUNE 7, 2018

*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)

NOTES: 1) ADD1-ADDED OPTIONAL MAT'L ALLOY C2761 INCOLLOY 825 & 6% ST. STEEL.

1 2 3 4 5 6 7 8 9 10

Material - Alloy C276 SB462 N10276

1/4" CWP (PSI) @					3/8" CWP (PSI) @				
Flange Rating			A-LOK Rating		Flange Rating			A-LOK Rating	
Class	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	Max Temp (1000°F)
2500	6250	3030	5500	3300	6250	3030	8900	5340	5340
1500	3750	1820	5500	3300	3750	1820	8900	5340	5340
900	2250	1090	5500	3300	2250	1090	8900	5340	5340
600	1500	725	5500	3300	1500	725	8900	5340	5340
300	750	365	5500	3300	750	365	8900	5340	5340
150	290	20	5500	3300	290	20	8900	5340	5340

1/2" CWP (PSI) @					5/8" CWP (PSI) @				
Flange Rating			A-LOK Rating		Flange Rating			A-LOK Rating	
Class	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	Max Temp (1000°F)
2500	6250	3030	6900	4140	6250	3030	2800	1680	1680
1500	3750	1820	6900	4140	3750	1820	2800	1680	1680
900	2250	1090	6900	4140	2250	1090	2800	1680	1680
600	1500	725	6900	4140	1500	725	2800	1680	1680
300	750	365	6900	4140	750	365	2800	1680	1680
150	290	20	6900	4140	290	20	2800	1680	1680

Minimum Design Metal Temperature: - 20 °F

X = Products no to be submitted

THIS IS PART OF
CRN 0815124.5 A001
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
Date June 7/18

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ALL DIMENSIONS IN mm WITH IMPERIAL EQUIVALENTS IN PARENTHESIS

DRAWING TITLE:

FLANGE TO COMPRESSION CONNECTOR
FLANGE HUB WALL THICKNESS CALCULATIONS

DO NOT SCALE IF IN DOUBT ASK WWW.PARKER.COM/PPD

REV No: D
Version No: V1
ECO NO: ECO-0235578
ECO DATE: 23/02/2018
DRAWN BY: James Nelson
DRAWN DATE: 23/02/2018
DESCRIPTION OF REV / VERSION CHANGE

UNLESS STATED 3rd ANGLE PROJECTION

ENGINEERING SUCCESS

FCB CRN REPORT



Material - Alloy 825 SB564 N08825

1/4" CWP (PSI) @				3/8" CWP (PSI) @			
Flange Rating		A-LOK Rating		Flange Rating		A-LOK Rating	
Class	100°F	Max Temp (1000°F)	100°F	Max Temp (800°F)	100°F	Max Temp (1000°F)	100°F
2500	6250	3030	11000	8030	6250	3030	7600
1500	3750	1820	11000	8030	3750	1820	7600
900	2250	1090	11000	8030	2250	1090	7600
600	1500	725	11000	8030	1500	725	7600
300	750	365	11000	8030	750	365	7600
150	290	20	11000	8030	290	20	7600

1/2" CWP (PSI) @			
Flange Rating		A-LOK Rating	
Class	100°F	Max Temp (1000°F)	100°F
2500	6250	3030	5900
1500	3750	1820	5900
900	2250	1090	5900
600	1500	725	5900
300	750	365	5900
150	290	20	5900

Minimum Design Metal Temperature: - 20 °F

X = Products no to be submitted



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ALL DIMENSIONS IN mm WITH IMPERIAL EQUIVALENTS IN PARENTHESIS
DRAWING TITLE:
FLANGE TO COMPRESSION CONNECTOR
FLANGE HUB WALL THICKNESS CALCULATIONS

DO NOT SCALE IF IN DOUBT ASK WWW.PARKER.COM/IPD
REV No: D
ECO No: ECO-0235578
ECO DATE: 23/02/2018
DRAWN BY: James Nelson
DRAWN DATE: 23/02/2018
DESCRIPTION OF REV / VERSION CHANGE



ENGINEERING SUCCESS

FCB CRN REPORT

1 2 3 4 5 6 7 8 9 10

Material - 6Mo Stainless Steel SA182 F44

1/4" CWP (PSI) @				3/8" CWP (PSI) @			
Flange Rating		A-LOK Rating		Flange Rating		A-LOK Rating	
Class	100°F	Max Temp (752°F)	100°F	Max Temp (752°F)	100°F	Max Temp (752°F)	100°F
2500	6250	4422	6300	5292	6250	4422	8000
1500	3750	2655	6300	5292	3750	2655	8000
900	2250	1592	6300	5292	2250	1592	8000
600	1500	1063	6300	5292	1500	1063	8000
300	750	529	6300	5292	750	529	8000
150	290	94	6300	5292	290	94	8000

1/2" CWP (PSI) @				3/4" CWP (PSI) @			
Flange Rating		A-LOK Rating		Flange Rating		A-LOK Rating	
Class	100°F	Max Temp (752°F)	100°F	Max Temp (752°F)	100°F	Max Temp (752°F)	100°F
2500	6250	4422	6200	5208	X	X	5200
1500	3750	2655	6200	5208	3750	2655	5200
900	2250	1592	6200	5208	2250	1592	5200
600	1500	1063	6200	5208	1500	1063	5200
300	750	529	6200	5208	750	529	5200
150	290	94	6200	5208	290	94	5200

1" CWP (PSI) @			
Flange Rating		A-LOK Rating	
Class	100°F	Max Temp (752°F)	100°F
2500	X	X	X
1500	3750	2655	4400
900	2250	1592	4400
600	1500	1063	4400
300	750	529	4400
150	290	94	4400

THIS IS PART OF
CRN 085104-5 April
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
08/03/2018

X = Products no to be submitted
Minimum Design Metal Temperature: - 20 °F

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ALL DIMENSIONS IN mm WITH IMPERIAL EQUIVALENTS IN PARENTHESIS
DRAWING TITLE:
FLANGE TO COMPRESSION CONNECTOR
FLANGE HUB WALL THICKNESS CALCULATIONS

DO NOT SCALE	IF IN DOUBT ASK	WWW.PARKER.COM/IPD
REV No.	Version No.	UNLESS STATED
D	V1	3RD ANGLE
ECO NO.	ECO DATE	PROJECTION
ECO-0235578	23/02/2018	
DRAWN BY	DRAWN DATE	
James Nelson	23/02/2018	
DESCRIPTION OF REV / VERSION CHANGE		



ENGINEERING . . . SUCCESS

FCB CRN REPORT

CHECKED & APPROVED BY: Approvals Using Electronic ENOVA ECO WORKFLOW