

To:	TSSA	From:	Janet Townsend
Company:	Parker Hannifin IPDE	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-4507	Date:	June 2, 2017

Your File: 2054540

**Subject:** Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Parker Hannifin IPDE. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Québec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0C19249.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

Janet Townsend Program Manager CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org





STATUTORY DI Registration		
James Nelson		
(Name and Position, e.g. President, Plant	Manager, Chief Engineer)	
of Parker Hannifin IPDE		
(Name of Manufactu	rer)	,
Located at Riverside Road, Barnstaple, Devon UK EX32 1NP	44 1271 313131	44 1271 373636
(Plant Address)	(Telephone No.)	(Fax No.)
do solemnly declare that the fittings listed hereunder, which are su and Pressure Vessels Regulation, comply with all of the requirem MSS SP99, ASME B31.1, ASME B31.3, ASME B16.5, ASME B	nents of	
(Title of recognized North America which specifies the dimensions, materials of construction, pressure/temp		g the fittings and service;
or are not covered by the provisions of a recognized North American as supported by the attached pressure/temperature ratings and the basis for such ratings, the materials are not covered by the provisions of a recognized North American as supported by the attached pressure/temperature ratings and the basis for such ratings, the materials are not covered by the provisions of a recognized North American as supported by the attached pressure at the provisions of a recognized North American as supported by the attached pressure at the provisions of a recognized North American as supported by the attached pressure at the provisions of a recognized North American as supported by the attached pressure at the provisions of a recognized North American as supported by the attached pressure at the	l data which identifies the dimension	ns, material of construction,
I further declare that the manufacture of these fittings is controlled by a qua	ulity system meeting the requirement	ents of ISO 9001:2008
which has been verified by the following authority, DNV N		
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: CATALOG 4190-FP, DESIGN VERIFICATION MONOFLANGE DATE		
(drawings, calculations, test n		
Declared before me at Salah in the	Conta	of Lova Uh
the AD 2017		
Commissioner for Oaths:		
MAJRIGERHAZIN	100 -000	
(Printed name)	J. P. Ne	h
(Signature)	(Signature of D	eclarer)
FOR OFFICE USE To the best of my knowledge and belief, the application meets the requirement Technical Standards and Safety Act, Boilers and Pressure Vessels Regula	ts of the	CO CCI
CSA Standard B51 and is accepted for registration in Category	RÉGISTERED	GEA Group
CSA-0C19249.56	CRN: CSA-OCI9249	9.56
Registered by: R.W.BARNES	Registration Process adn	ninistered by
Dated: <u>JUNE 2, 2017</u>	CSA Group per CSA B51	
NOTE: This registration expires on: MARCH 22, 2027		

PV 09553 (06/16)



Note: See attachment as the scope of registration.

Group

REGISTERED

CRN: CSA - BC 19-24 9. 56

Registration Process administered by CSA Group per CSA B51

Technical Review performed per CSA B51 Performed by: ANRIC Enterprises Inc.

Signed

Date: June 2,2017





Toronto Ontario M9W 6N9 Tet. 416 734.3300 Fax. 416 231 1626 Toll Free 1 877 682 8772

www.tssa.org

March 22, 2017

SUSAN TURNER
PARKER HANNIFIN INSTRUMENTATION GROUP CANADA
4635 DURHAM RD S
GRIMSBY ON L3M 4G4
CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2021324

Your Reference No.: MONOFLANGE - ADD TO CRN 0C11492.5, ADD1 & ADD2

Registered to: PARKER HANNIFIN INSTRUMENTATION PRODUCTS

Dear SUSAN TURNER.

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

CRN: 0C19249.5

Main Design No.:

**CATALOG 4190-FP: MONOFLANGE** 

Expiry Date: 22-Mar-2027

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

See 1 sheet of attachment to Statutory Declaration for scope and design conditions. This CRN is to replace CRNs 0C11492.5 and 0C11494.5 and their respective addenda.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Kaivan Kia P. Eng., PMP Mechanical Engineer, BPV

Tel.: 416-734-3457 Fax: 416-231-6183 Email: kkia@tssa.org ATTACHMENT TO

C.R.N. C.F.A. O.C. G. 4G, J.

Signed: L. L. J. Carry

178 Rexide Bodsvard, Toronto, ON Canada M9W 1R3

Parker Pro-Bloc® Manifolds Catalog 4190-FP		MSS SP99 ASME B31.1 ASME B31.3 ASME B16.5 ASME B16.34 ASME VIII FED-STD-H28/2B	10mm bore 1/2" - 3" Flange size 150-2500 Flange Class	STD. PRESSURE CLASS	>DESIGN VERIFICATION PROBLOC PROBLOC-10-CRN-CALC REV2 >DESIGN VERIFICATION PROBLOC FOR SAMPLING/INJECTION PROBLOC-10-CRN-CALC REV2 >DESIGN VERIFICATION PROBLOC FOR CARBON STEEL AND DUPLEX CS-DUP-PROBLOC-S-10-CRN-CALC	ASME/ASTM MATERIAL SPECIFICATION
Parker Monoflange Manifolds Catalog 4190-FP	:	MSS SP99 ASME B31.1 ASME B31.3 ASME B16.5 ASME B16.34 ASME VIII FED-STD-H28/2B	1/2" - 3" Flange size 150-2500 Flange Class	6,000 PSI	>DESIGN VERIFICATION MONOFLANGE MONO-CRN-CAL REV3 >DESIGN VERIFICATION MONOFLANGE MONO-CRN-CALC-ADD.1 REV.1 >MONOFLANGE TO INCLUDE 3" FLANGE CONNECTIONS MONO-CRN-CALC-ADD.1 REV.1	ASTM A182-F316 ASTM A105 ASTM B564 UNS N04400 ASTM A182-F51 ASTM-A182-F53 ASTM B564 UNS N10276 A350-LF2 A182-F44-6MO



## MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 209347-2016-AQE-GBR-UKAS

Initial certification date: 01 April 2010

lld:

15 November 2016 - 15 November 2019

This is to certify that the management system of

## Parker Hannifin Manufacturing Ltd Instrumentation Products Division Europe

Riverside Road, Pottington Business Park, Barnstaple, EX31 1NP, United Kingdom

has been found to conform to the Management System standards:

ISO 14001:2015/ ISO 9001:2015

This certificate is valid for the following scope:

Design, development, manufacture, test and supply of valves, manifolds, connectors and systems, in high performance materials, including ancillary equipment, for the interconnection of process instrumentation and associated apparatus.

Place and date: London, 10 November 2016



For the issuing office:
DNV GL Business Assurance UK Limited
Palace House,3 Cathedral Street, London,
\$21 902, United Kingdom

Richard Redmond Management Representative 178 Rexdale Blvd. Toronto, Ontario Canada M9W 1R3 Tel: (416) 747-4000 www.csagroup.org



March 2017

## <u>CRN – Canadian Registration Numbers - Saskatchewan</u>

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of "Fittings".

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters "CSA" are applied as a prefix to the CRN to indicate which "Fittings" have been registered in this manner. You should inform your clients of this additional marking requirement and that "Fittings" registered by CSA Group are accepted for use in Saskatchewan Canada.