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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](mailto: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  
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Toronto, Ontario M9W 6N9  
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### STATUTORY DECLARATION Registration of Fittings

I, James Nelson  
*(Name and Position, e.g. President, Plant Manager, Chief Engineer)*

of Parker Hannifin IPDE  
*(Name of Manufacturer)*

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 subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of MSS SP99, ASME B31.1, ASME B31.3, ASME B16.5, ASME B16.34, ASME VIII, FED-STD-H28/2B  
*(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 9001:2008 which has been verified by the following authority, DNV MANAGEMENT SYSTEMS.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:  
CATALOG 4190-FP, DESIGN VERIFICATION MONOFLANGE DATED 21/03/2007  
*(drawings, calculations, test reports, etc.)*

Declared before me at Barnstaple in the County of Devon UK

the 18<sup>th</sup> day of August AD 2017.

Commissioner for Oaths:  
MARIE SZCZURKWA  
*(Printed name)*

[Signature]  
*(Signature)*

J. P. Nelson  
*(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 C.

CRN: OC 19249.5

Registered by: K. Kuc

Dated: March 22/17

NOTE: This registration expires on: March 22/2027      Date: March 22/17

Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety Program

**REGISTERED**

CRN: OC 19249.5  
Signed: BK  
Date: March 22/17

PV 09553 (06/16)

See acceptance letter for registration notes. KK  
3/22/17

PRODUCT SERIES	ASME/ANSI DESIGN STANDARD	SIZE RANGE	STD. PRESSURE CLASS	DESIGN REPORTS	ASME/ASTM MATERIAL SPECIFICATION
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	6,000 PSI	>DESIGN VERIFICATION PROBLLOC PROBLLOC-10-CRN-CALC REV2 >DESIGN VERIFICATION PROBLLOC FOR SAMPLING/INJECTION PROBLLOC-10-CRN-CALC REV2 >DESIGN VERIFICATION PROBLLOC FOR CARBON STEEL AND DUPLEX CS-DUP-PROBLLOC-S-10-CRN-CALC	ASTM A105 ASTM A182-F316 ASTM A182-F51
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

THIS IS PART OF  
 CRN 0C19249.5  
 Technical Service & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program