



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

[www.tssa.org](http://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](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  
Fax : 416-231-6183  
Email : [kkia@tssa.org](mailto:kkia@tssa.org)

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