

345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

May 29, 2017

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

Service Request Type.: BPV-National AB

Service Request No.: 2054522

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

Registered to.: PARKER HANNIFIN INSTRUMENTATION PRODUCTS

Dear,

Please find enclosed the original response from AB, registered under the CRN No.: 0C19249.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski Tel: 416-734-3377 Fax: 416-231-6183

Email: jkarpinski@tssa.org



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

April 26, 2017

Attention: Tanya Francis

Email:tfrancis@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, tracking number 2017-02123, originally received on April 06, 2017 was surveyed and accepted for registration as follows:

CRN:

0C19249.52

Accepted on: April 26, 2017

Reg Type:

New Design

Expiry Date: March 22, 2027

Drawing No.: CATALOG 4190-FP

Fitting type: DOUBLE BLOCK AND BLEED FLANGED VALVE

Design registered in the name of : PARKER HANNIFIN PLC IPDE

The registration is conditional on your compliance with the following notes:

- Please see the sheet #1 of attachment to Statutory Declaration for scope and design condition. This CRN is to replace 0C11492.52 and 0C11494.52 and their respective addenda.
- It is our understanding that there are no changes for pressure parts.

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1, ASME B31.3 and B16.34.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,

STOJANOVIC, STEVAN, P. Eng.





I, James	s Nelson	Senior Core Engineer	
of Park	(name of applicant) er Hannifin IPDE	(position title) (must be in a position of authority)	Darke
ŭ			
located a	tRiverside Road, Barnstaple, Devi	e of manufacturer)	
	(r	ant address)	
do solemi	nly declare that the fittings lister	d hereunder, which are subject to the Safety	5±5 6 700 -
(check on	ne)	31.1. ASME B31.3	Codes Act
⊠ co	mply with the requirements of	ASME B16.5, ASME B16.34, ASME VIII FED-STD-H28/2B which	specifies the dimensions,
ma	aterials of construction process	and of recognized North American Standard)	
	to die of construction, pressu	re/temperature ratings and identification mar	king of the fittings, or
⊔ are	e not covered by the provisions	of a recognized North American standard ar	nd are therefore manufactured
to	comply with		
	(title of code of	construction or other applicable document)	s supported by the attached
dat	a which identifies the dimension	ns, materials of construction, pressure/temp	Same and the same of the same
for	such ratings, and the marking	of the fittings for its us	erature ratings and the basis
I further de	eclare that the manufacture of	or the littings for identification.	
Varified by	the fall of the manufacture of the	nese fittings is controlled by a quality control	program which has been
· · · · · · · · · · · · · · · · · · ·	the following authority, DNV M	ANAGEMENT SYSTEMS as being suitable	o for the man for
fittings to th	ne stated standard. The fittings	covered by this declaration, for which I seek	
C-MONOR	FLANGE	and declaration, for which I see	k registration, are
	11-2		
In support of	of this application, the following	ef description of fittings)	
CATALOG	4190-FP	information, calculations and/or test data are	e attached:
	PROBLOC-S-10-CRN-CALC REV1		
DECLARED	before me at I dillord	in the Court of 30	2.12
10	(city)	10000	004
this ()	day of Who	I leitt	rovince or state)
	/(Mont	(Year)	
(print)/ M	AURICE/KLITZHO!		
/ (a	Commissioner of Oaths or Notary Pub	ic	
(sign)	1/100/6	18	/
(a	Commissioner of Oaths or Notary Publ	ic)	
	Office Use Only:	(signature of	applicant)
NOTES:			
10 To	5		
Standard B5	1, Clause 4.2, and is accepted	application meets the requirements of the S	Safety Codes Act and CSA
	001001	for registration in Category	
Registration I	Number: 11 1 9 2 4	9.52 STEVANS	TOTANOVICAL
Date Registe	red. APR 2 6 2017	(Signature of the	Administrator/SCO)
	ou provide is necessary only for the admin	Expiry Date: March	24,2027





I,James Nelson	Senior Core Engineer
(name of applicant) Of Parker Hannifin IPDE	(position title) (must be in a position of authority)
/na	mo of months.
located at Riverside Road, Barnstaple, De	me of manufacturer)
	(plant address)
oo solemnly declare that the fittings list (check one) Comply with the requirements of	ed hereunder, which are subject to the Safety Codes Act MSS SP99, ASME B31.1, ASME B31.3,
are not covered by the provision	of several ratings and identification marking of the fittings, or
to comply with	s of a recognized North American standard and are therefore manufactured
(title of code o	as supported by the attached as supported by the attached
data which identifies the dimensi-	Ons, materials of countries!
for such ratings, and the marking	ons, materials of construction, pressure/temperature ratings and the basis
I further declare that the manufacture of	these full and the state of the
verified by the following authority,	these fittings is controlled by a quality control program which has been
fittings to the state data data at a state of the state o	MANAGEMENT SYSTEMS as being suitable for the manufacture of these
PROBLOC	is covered by this declaration, for which I seek registration, are
lo comment (b)	rief description of fittings)
CATALOG 4190-FP PROBLOC-10-CRN-CALC REV 2	g information, calculations and/or test data are attached:
/7.0	
this day of (Mor (print) 1 1 1 2 4 2 4 3 2 4 4 3 2 4 4 4 3 2 4 4 4 4 4	(province or state)
(a Commissioner of Oaths or Notary Pul	blic) (signature of applicant)
For ABSA Office Use Only:	(gradule of applicant)
NOTES:	
100700	e application meets the requirements of the Safety Codes Act and CSA for registration in Category
Registration Number: 192	STEVAN STOJANOVICOS
Date Registered: APR 2 6 201	7 (Signature of the Administrator/SCO) Expiry Date: Morrow 11 1007
The information you provide is necessary only for the admi	inistration of the programs as social definition of the programs and the program of





Ι,	James Nelson	Senior Core Engineer
of	(name of applicant) Parker Hannifin IPDE	(position title) (must be in a position of authority)
_	(nan	ne of manufacturer)
loca	ated atRiverside Road, Barnstaple, Dev	
do	(plant address)
(che	sciemnly declare that the fittings liste	d hereunder, which are subject to the Safety Codes Act
×		MSS SP99, ASME B31.1, ASME B31.3, ASME B16.5, ASME B16.34, ASME VIII
	comply with the requirements of	FED-STD-H28/2B which specifies the dimensions, (title of recognized North American Standard)
	materials of construction, pressu	re/temperature ratings and identification marking of the fittings or
	are not covered by the provisions	of a recognized North American standard and are therefore manufactured
	to comply with	
	(title of code of	construction or other applicable document) as supported by the attached
	data which identifies the dimension	ons, materials of construction, pressure/temperature ratings and the basis
	for such ratings, and the marking	of the fittings for identification.
I furt	her declare that the manufacture of	hese fittings is controlled by a quality control program which has been
verifi	ed by the following authority, DNV	MANAGEMENT SYSTEMS as being suitable for the manufacture of these
fitting	gs to the stated standard. The fitting	s covered by this declaration, for which I seek registration, are
C-	MONOFLANGE	registration, are
	(br	ef description of fittings)
In su	pport of this application, the following	information, calculations and/antend to
	ATALOG 4190-FP, WITH THE ADDITION OF SIGN CALCULATIONS (MONO-CRN-CALC	
	(Metro-driv-date	_ADD.1 REV.1)
DECL	ARED before me at S. del a	in the Country of Rosser UR
this	day of box	(province or state)
	/ / / / / / / / / / / / / / / / / / /	
(print) IMPURICE/KINTEKI	
	(a Commissioner of Oaths or Notary Pu	olic) A
(sign)	1/1/00	e I-P. Nele
(5)	(a Commissioner of Oaths or Notary Pu	olic) (signature of applicant)
For A	BSA Office Use Only:	(signature of applicant)
NOTE		
To the	best of my knowledge and belief th	e application meets the requirements of the Safety Codes Act and CSA
Standa	ard B51, Clause 4.2, and is accepted	I for registration in Category
	ration Number: 0 C 1 9 2	10 52
		(Signature of the Administrator/SCO)
	Registered: APR 2 6 2017	Expiry Date: Morcala AD DODY
The infor	mation you provide is necessary only for the adm	inistration of the programs as required by the Allinton 2 (1)





James Nelson	Senior Core Engineer
(name of applicant) Of Parker Hannifin IPDE	(position title) (must be in a position of authority)
	of manufacturer)
located atRiverside Road, Barnstaple, Devo	n, UK EX32 1NP
do solemnly declare that the fittings listed	ant address)
(check one)	hereunder, which are subject to the Safety Codes Act MSSSP99, ASME B31.1, ASME B31.3
comply with the requirements of	ASME B16.5, ASME B16.34, ASME VIII FED-STD-H28/2B Which specifies the discount
(1	itle of recognized North American Standard)
materials of construction, pressur	e/temperature ratings and identification marking of the fittings, or
are not covered by the provisions	of a recognized North American standard and are therefore manufactured
to comply with	
(title of code of c	onstruction or other applicable document) as supported by the attached
data which identifies the dimension	ns materials of construction
for such ratings, and the marking o	ns, materials of construction, pressure/temperature ratings and the basis
I further declare that the manufacture of the	the interings for identification.
vorified but to Ciliary	lese fittings is controlled by a quality control program which has been
verified by the following authority, DNV MA	ANAGEMENT SYSTEMS as being suitable for the manufacture of these
fittings to the stated standard. The fittings	covered by this declaration, for which I seek registration, are
CATALOG 4190-FP - MONOFLANGES	which i seek registration, are
(brie	f description of fittings)
In support of this application, the following H SERIES MONOFLANGE 1/2" TO 2' FLANGE CO A182 F316	information, calculations and/or test data are attached: DNNECTIONS, A105, A182-F51-F53, A182-F316, B564 N04400, 8564 N10276
\mathcal{A}	
DECLARED before me at (cltv)	in the Could of 2000 Uh
this day of on o	(province or state)
(print) May 2, c a (Moriti	(Icar)
(a Commissioner of Oaths or Notaty Publ	(c)
(sign)	11800
(a Commissioner of Oaths or Notary Publi	c) Ville
For ABSA Office Use Only:	(signature of applicant)
NOTES:	
To the best of my knowledge and belief, the Standard B51, Clayse 4.2, and is accepted	application meets the requirements of the Safety Codes Act and CSA
Registration Number: 0 C 1 9 Z 4	9.57 STEVAN STO IANOVIC ON
Date Registered APR 2 6 2017	(Signature of the Administrator/SCO) Expiry Date: 10 1007
The information you provide is necessary only for the admin Pressure Equipment Discipline.	stration of the programs as required by the Alberta Safety Codes Act and Regulations in the





1,	James Nelson	Senior Core Engineer	
of	(name of applicant) Parker Hannifin IPDE	(position title) (must be in a position of authority)	Parke
		me of manufacturer)	
loca	ated at Riverside Road, Barnstaple, De	evon, UK EX32 1NP	
do s	solemnly declare that the fitting it	(plant address)	
(che	eck one)	ed hereunder, which are subject to the Safety MSS SP99, ASME B31.1, ASME B31.3,	Codes Act
X		ACME B40 - 100 B31.1, ASME B31.3,	
	comply with the requirements o	FED-STD-H28/2B Which (title of recognized North American Standard)	specifies the dimensions,
	materials of construction, press	ure/temperature ratings and identification ma	rking of the fittings, or
	are not covered by the provision	s of a recognized North American standard a	nd are therefore manufactured
	to comply with		as supported by the attached
	(title of code	or construction or other applicable document)	
	data which identifies the dimens	ions, materials of construction, pressure/temp	perature ratings and the basis
	for such ratings, and the marking	g of the fittings for identification.	
I furt	her declare that the manufacture o	these fittings is controlled by a quality control	l program which has been
verifi	ed by the following authority,		le for the manufacture of these
fitting	gs to the stated standard. The fittin	gs covered by this declaration, for which I see	ok registration
	PROBLEC SAMP	EPROBE.	registration, are
ln a	(1	prief description of fittings)	
C/ PR	pport of this application, the followin TALOG 4190-FP OBLOC-10-CRN-CALC REV 2	ng information, calculations and/or test data a	re attached:
DECL	ARED before me at Dide	in the County of	Pera lik
this _	/	2014	province or state)
(print	1 markice Chizales	(Teal)	
(sign)	(a Commissioner of Oaths or Notaly P	The Vilia	el.
	(a Commissioner of Oaths or Notary P	ublic) (signature of	
For A	BSA-Office Use Only:		
NOTE			
To the Standa	best of my knowledge and belief, t ard B51, Clause 4.2, and is accepte	he application meets the requirements of the	Safety Codes Act and CSA
	ration Number: 0 C 1 9 /	4 9 . 5 7 STEVAN S	STOJANOVIC AL
	egistered: APR 2 6 201	Evniry Date: Morro	e Administrator/SCO)
he inform	mation you provide is necessary only for the ad	ministration of the man	LAILULT





Ι,	James Nelson	Senior Core Engineer	
of _	(name of applicant) Parker Hannifin IPDE	(position title) (must be in a position of authority)	Parker
loos		name of manufacturer)	
IOCS	ated at Riverside Road, Barnstaple, I		
do s	solemnly declare that the fittings li	(plant address)	
(che	eck one)	sted hereunder, which are subject to the Safet	y Codes Act
X	comply with the requirements	(title of recognized North American Standard)	specifies the dimensions,
	materials of construction, pres	ssure/temperature ratings and identification ma	irking of the fittings, or
	are not covered by the provision	ons of a recognized North American standard a	and and the fittings, or
	to comply with	5 - Standard a	nd are therefore manufactured
	ALBORANS SPEEKS	e of construction or other applicable document)	as supported by the attached
	data which identifies the dimen	sions, materials of assets at	
	for such ratings, and the mark	sions, materials of construction, pressure/temp	perature ratings and the basis
1 6	ior such ratings, and the marking	ng of the fittings for identification.	
Turti	her declare that the manufacture	of these fittings is controlled by a quality contro	program which has been
verifi	ed by the following authority, DN		
			le for the manufacture of these
CA	ATALOG 4190-FP - MONOFLANGES	ngs covered by this declaration, for which I see	ek registration, are
In sur	port of this application it is	(brief description of fittings)	
DES	GN VERIFICATION MONOFLANGE DAT	ing information, calculations and/or test data a ED 21/03/2007	re attached:
CATA	ALOG 4190-FP		
	2.11		
DECL	ARED before me at	in the Pows a of 3	2010 (3)
	(city)	0	province or state)
this _	day of Acr	noch, 10+7	province or state)
		fonth) (Year)	
(print)			
	(a Commissioner of Oaths of Notary	Public)	
(sign)	1 / Cec.	1.1.11	2 /
	(a Commissioner of Oaths or Notary	Public) (signature o	f applicant)
	BSA Office Use Only:		- эрриошку
NOTES	3:		
To the Standa	best of my knowledge and belief, rd B51, Clause 4,2, and is accept	the application meets the requirements of the	Safety Codes Act and CSA
	ation Number: 000	January Januar	10
		STEVAN (Signature of th	N STOJANOVICA e Administrator/SCO)
	egistered: APR 2 6 201	Fypin, Data, Maka	1 00 0004
rne inform Pressure l	nation you provide is necessary only for the ac Equipment Discipline.	dministration of the programs as required by the Alberta Safety	Codes Act and Regulations in the

	MTSA\ASTM NATERIAL NOITADISISIS	1	ASTM A182-F316 ASTM A105 ASTM R564 HNS M04400	ASTM A182-F51	ASTM B564 UNS N10276	A350-LF2	A182-F44-6MO
	DESIGN REPORTS			7			
		6,000 PSI >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	>DESIGN VERIFICATION MONOFLANGE MONO-CRN-CAL REV3	>DESIGN VERIFICATION MONOFLANGE	>MONOFLANGE TO INCLUDE 3" FLANGE	CONNECTIONS	MONO-CRN-CALC-ADD.1 REV.1
	STD. PRESSURE CLASS	6,000 PSI	6,000 PSI				
	SIZE KANGE	10mm bore 1/2" - 3" Flange size 150-2500 Flange Class	1/2 - 3 riange size 150-2500 Flange Class				
	PESIGN STANDARD	1.1 1.3 5.5 5.34 128/2B	ASME B31.1	ASME B16.5 ASME B16.34	ASME VIII	FED-STD-H28/2B	
1	РВОDUСТ SERIES				_	_	\dashv
		Parker Pro-Bloc [®] Manifolds Catalog 4190-FP	Manifolds Catalog 4190-FP				



SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION NO. 0 C 1 9 2 4 9 . 5 2

WG. NO. OF CAT. NO. COTA LOO 4190 - FP

DWG. NO. OF CAT. NO. COTA LOO 4190 - FP

TYPE OF FITTINGS Double 300k and 30 lecal 7 lagn

APR 2 6 2017NITIALS

Date

Date

STEVAN STOJANOVIC, PENG.

Date