



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



I, Kevin Ballard,

Core Engineering Manager

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of Parker Hannifin, IPDE

(name of manufacturer)

located at Riverside Road, Barnstaple, Devon, EX31 1NP

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

comply with the requirements of _____ which specifies the dimensions, (title of recognized North American Standard)

materials of construction, pressure/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 ASME B31.3 as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, DNV Mangement 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 Flanged Connectors

In support of this application, the following information, calculations and/or test data are attached:

Flanged to Compression Connector Flange Hub Wall Thickness Calculations

Flanged Products Catlogue 4190-FP-ACC page 4

DECLARED before me at Barnstaple in the County of Devon

this 9th day of December, 2011
(Month) (Year)

(print) Kevin Ballard

(Signature of Applicant)

(sign) Matthew T. Outh
(A Commissioner for Oaths) Notary Public

For Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category B

Registration Number: OB 11767.24

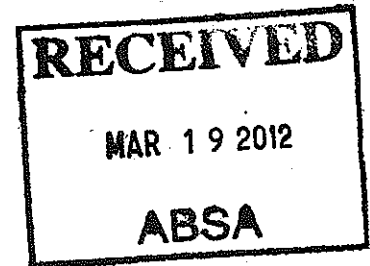
(For the Administrator/Chief Inspector of Alberta)

Date Registered: MAR 13, 2012

Expiry Date: OCT 13, 2020

March 13, 2012

ABSA
9410 20th Ave NE
Edmonton, AB
T6N 0A4



Attention: Cynthia Formaniuk

RE: REGISTRATION OF VALVES AND FITTINGS
(Parker Hannifin IPDE)

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
4190-FP-ACC	OB11767.24	31374

An invoice covering survey and registration fees is enclosed.

NOTE: CRN CSA-OA6793.56 is part of this registration and must be submitted to Manitoba upon expiry for re-registration.

This registration covers the Flange Connectors as detailed in the attached Scope Of Registration. This registration expires October 13, 2020.

This registration is valid until the indicated expiry date 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,



Ryan DeLury, C.E.T.
Senior Design Surveyor, Inspection and Technical Services



DET NORSKE VERITAS

MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 73760-2010-AQ-GBR-UKAS

This is to certify that

Parker Hannifin Ltd
Instrumentation Products Division Europe

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

has been found to conform to the Management System Standard:

BS-EN-ISO 9001:2008

This Certificate is valid for the following product or service ranges:

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.

Initial Certification date:

1 April 2010

This Certificate is valid until:

15 November 2013

The audit has been performed under the supervision of:

Robin Cheesman
Lead Auditor



Place and date:

London, 24th January 2011

for the Accredited Unit:
DET NORSKE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS

Doug Milne
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

		1/4" CWP (PSI) @			3/8" CWP (PSI) @		
Class	Flange Rating	A-LOK Rating		Flange Rating		A-LOK Rating	
		100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)
2500	2915	10300	7931	6000	2915	6600	5082
1500	1750	10300	7931	3600	1750	6600	5082
900	1050	10300	7931	2160	1050	6600	5082
600	700	10300	7931	1440	700	6600	5082
300	350	10300	7931	720	350	6600	5082
150	20	10300	7931	275	20	6600	5082

		1/2" CWP (PSI) @			3/4" CWP (PSI) @		
Class	Flange Rating	A-LOK Rating		Flange Rating		A-LOK Rating	
		100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)
2500	2915	6700	5159	X	X	5800	4466
1500	1750	6700	5159	3600	1750	5800	4466
900	1050	6700	5159	2160	1050	5800	4466
600	700	6700	5159	1440	700	5800	4466
300	350	6700	5159	720	350	5800	4466
150	20	6700	5159	275	20	5800	4466

		1" CWP (PSI) @		
Class	Flange Rating	A-LOK Rating		Max Temp (1000°F)
		100°F	Max Temp (1000°F)	
2500	X	X	X	
1500	3600	4700	3619	
900	2160	4700	3619	
600	1440	4700	3619	
300	720	4700	3619	
150	275	4700	3619	

Inspection & Technical Services
Manitoba
Boiler & Pressure Vessel Safety Program
Manitoba
THIS IS PART OF CRN
OB 11767.24

X = Products no to be submitted

Minimum Design Metal Temperature: -425°F

-325°F L₂

OB 11767.2

FOR MATERIAL AND PROCESS SPECIFICATIONS REFER TO GENERIC PROCESS CONTROL SHEET

FOR PART MARKING DETAILS REFER TO PART MARKING SPECIFICATION

THIS DRAWING CONTAINS INFORMATION THAT IS CONFIDENTIAL AND PROPRIETARY TO PARKER HANFMAN INC. THIS DRAWING IS DISCLOSED TO OTHERS UNDERSTANDING THAT THE DRAWING AND THE INFORMATION IT CONTAINS WILL NOT BE COPIED OR DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF PARKER HANFMAN. WILL NOT BE USED TO THE DETRIMENT OF PARKER HANFMAN, AND WILL BE RETURNED UPON REQUEST TO PARKER HANFMAN.

ISSUE NO. 1
E.C.N NO. N/A
DATE 13/04/2011

DESCRIPTION OF REVISION
New Release

DESIGNED BY: ZN
DRAWN DATE: 22/06/2011
Approved using electronic PDM WORKFLOW (QSPRO202)

ALL DIMENSIONS IN UNLESS OTHERWISE STATED

DRAWING TITLE:
FLANGE TO COMPRESSION CONNECTOR
FLANGE HUB WALL THICKNESS CALCULATIONS

REMOVE ALL SHARP EDGES AND BURRS	INCH	METRIC	ANGULAR
UNLESS STATED	(0.001" ± .015"	(0.0254 ± 0.381mm)	±1/2°
3RD ANGLE PROJECTION	(0.001" ± 0.001"	(0.0254 ± 0.0254mm)	±30°

GENERAL M/C FINISH 63milh CLA/ 1.8mm RA
GEOMETRICAL TOL'S TO BS.308 PART 3.
ALL THREAD TOLERANCES ARE TO BE IN ACCORDANCE WITH PARKER IPD ESST01.

PART SIMILAR TO DO NOT SCALE IF IN DOUBT ASK

Parker Hannifin Ltd
Riverside Road
Brampton
Ontario
EX3 1NP
+44 (0)1271 313131

Material - Alloy 400 SB 564 N° 4400

		1/4" CWP (PSI) @				3/8" CWP (PSI) @			
Class	Flange Rating	A-LOK Rating		Flange Rating		A-LOK Rating		Flange Rating	
		100°F	Max Temp (700°F)	100°F	Max Temp (700°F)	100°F	Max Temp (700°F)	100°F	Max Temp (700°F)
2500	3960	9800	4214	5000	3960	6100	5000	3960	6100
1500	2375	9800	4214	3000	2375	6100	3000	2375	6100
900	1435	9800	4214	1800	1435	6100	1800	1435	6100
600	950	9800	4214	1200	950	6100	1200	950	6100
300	475	9800	4214	900	475	6100	900	475	6100
150	110	9800	4214	230	110	6100	230	110	6100

		1/2" CWP (PSI) @				3/4" CWP (PSI) @			
Class	Flange Rating	A-LOK Rating		Flange Rating		A-LOK Rating		Flange Rating	
		100°F	Max Temp (700°F)	100°F	Max Temp (700°F)	100°F	Max Temp (700°F)	100°F	Max Temp (700°F)
2500	3960	6200	2666	5000	3960	5400	5000	3960	5400
1500	2375	6200	2666	3000	2375	5400	3000	2375	5400
900	1435	6200	2666	1800	1435	5400	1800	1435	5400
600	950	6200	2666	1200	950	5400	1200	950	5400
300	475	6200	2666	900	475	5400	900	475	5400
150	110	6200	2666	230	110	5400	230	110	5400

		1" CWP (PSI) @			
Class	Flange Rating	A-LOK Rating		Flange Rating	
		100°F	Max Temp (700°F)	100°F	Max Temp (700°F)
2500	3960	4300	1849	4300	3960
1500	2375	4300	1849	4300	2375
900	1435	4300	1849	4300	1435
600	950	4300	1849	4300	950
300	475	4300	1849	4300	475
150	110	4300	1849	4300	110

X = Products no to be submitted

OB 11767. 2

*** = Max working temperature rated in standard class is 900° F. Ref Page66 ASME B16.34 1996

Minimum Design Metal Temperature: - 325 °F

Inspection & Technical Services
Manitoba

Boiler Pressure Vessel Safety Program

Manitoba
THIS IS PART OF CRN

OB 11767. 24

FOR MATERIAL AND PROCESS SPECIFICATIONS REFER TO GENERIC PROCESS CONTROL SHEET

FOR PART MARKING DETAILS REFER TO PART MARKING SPECIFICATION

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ISSUE NO. 1 DESCRIPTION OF REVISION New Release

E.C.N. NO. N/A

DATE 13/04/2011

APPROVED BY: [Signature]

DESIGNED BY: ZN

ISSUED DATE: 22/06/2011

APPROVALS using electronic tools: [Signature]

ALL DIMENSIONS IN UNLESS OTHERWISE STATED

DRAWING TITLE:
FLANGE TO COMPRESSION CONNECTOR
FLANGE HUB WALL THICKNESS CALCULATIONS

REMOVE ALL SHARP EDGES AND BURRS UNLESS STATED

INCH (607 ± .010° (607) ± .008°

METRIC (0.001 ± .001) (0.001) ± 0.001

ANGULAR ± .12° ± .50°

GENERAL MIC FINISH: 6.3µm (1.6mm) RA

GEOMETRICAL TOLERANCES TO BS.308 PART 3. ALL THREAD TOLERANCES ARE TO BE IN ACCORDANCE WITH PARKER IPD ES201.

PART SIMILAR TO

DO NOT SCALE IF IN DOUBT ASK

Parker

Parker Hannifin Ltd
Instrumentation Products Division Europe
Riverside Road
Barnsley
S70 2BA
UK
+44 (0)1274 313131

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Material - Alloy 625 S B 564 N°6625

Class	1/4" CWP (PSI) @			3/8" CWP (PSI) @		
	Flange Rating		A-LOK Rating	Flange Rating		A-LOK Rating
	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)
2500	6250	3030	6250	3030	8700	6351
1500	3750	1820	3750	1820	8700	6351
900	2250	1090	2250	1090	8700	6351
600	1500	725	1500	725	8700	6351
300	750	365	750	365	8700	6351
150	290	20	290	20	8700	6351

Class	1/2" CWP (PSI) @			3/4" CWP (PSI) @		
	Flange Rating		A-LOK Rating	Flange Rating		A-LOK Rating
	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)	100°F	Max Temp (1000°F)
2500	6250	3030	6250	3030	4400	3212
1500	3750	1820	3750	1820	4400	3212
900	2250	1090	2250	1090	4400	3212
600	1500	725	1500	725	4400	3212
300	750	365	750	365	4400	3212
150	290	20	290	20	4400	3212

Minimum Design Metal Temperature: - 20 °F

X = Products no to be submitted

Inspection & Technical Services
Manitoba
Boiler & Pressure Vessel Safety Program
Manitoba
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OB11767.24

REGISTRATION NO. 0 B 1 1 7 6 7 . 2
 DWG. NO. or CAT. NO. George
 TYPE OF FITTINGS Compression
 Date OCT 13 2011 INITIALS [Signature]
 MILLA GRYNCHUK, P.Eng
 DESIGN SURVEY ENGINEER

FOR MATERIAL AND PROCESS SPECIFICATIONS REFER TO GENERIC PROCESS CONTROL SHEET
 FOR PART MARKING DETAILS REFER TO PART MARKING SPECIFICATION
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ISSUE NO. 1 DESCRIPTION OF REVISION New Release
 ECN NO. N/A
 DATE 13/04/2011

DRAWN BY: ZN
 DRAWN DATE: 22/06/2011
 Approved using electronic PDM (PDRP/PLM) (OSP/025)

DRAWING TITLE:
 FLANGE TO COMPRESSION CONNECTOR
 FLANGE HUB WALL THICKNESS CALCULATIONS

REMOVE ALL SHARP EDGES AND BURRS
 UNLESS STATED
 3/4 ANGLE PROJECTION

INCH (25.4 ± .016")
 METRIC (6.35mm ± .03mm)
 ANGULAR 4.11°
 4.30°

GENERAL MIC FINISH 6.3µm, CLASS 1.6µm RA
 GEOMETRICAL TOL'S TO BE USED PART 3.
 ALL THREAD TOLERANCES ARE TO BE IN ACCORDANCE WITH PARKER IPD ESST01.

PART SIMILAR TO
 DO NOT SCALE IF IN DOUBT ASK

Parker
 Parker Hannifin Ltd
 Instrumentation Products Division Europe
 Riverside Road
 Barnsley
 Don
 EX31 1NP
 +44 (0)1273 313131

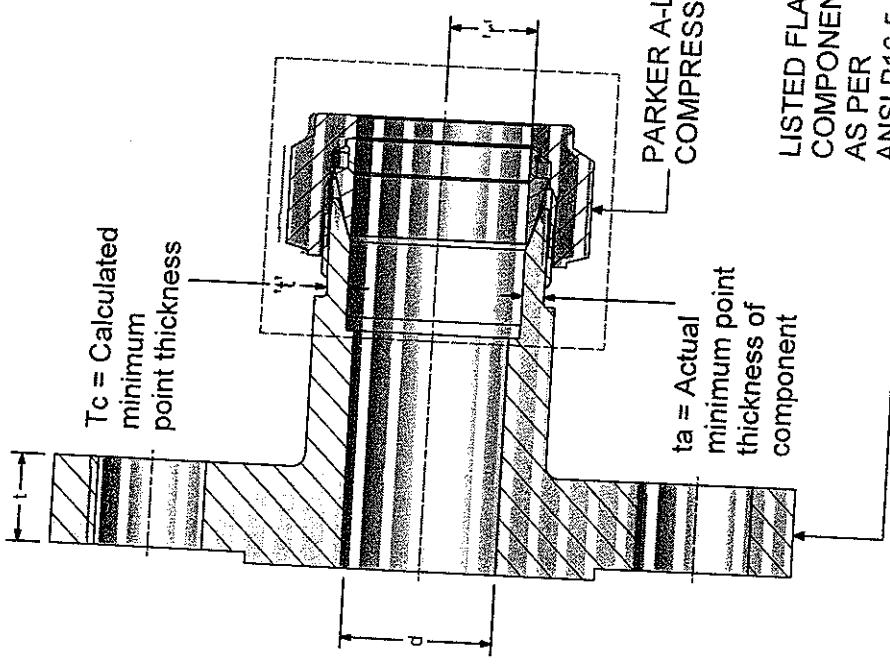
P 3 of 3

11 12 13 14 15 16 17 18 19 10

Flange Rating:
ref B16.5 Class 1500 in BOM

1" Flange Spec	
Material:	A182 F316
t =	1.125" / hub thickness = 1.32"
d =	1"
MAWP =	3600psi @ 100°F; 1750psi @ 1000°F
Hydrotest =	7059psi
MDMT =	-325°F

1" A-LOK Spec	
Material:	A182 F316
ID =	1.4515" ± 0.0055"
OD =	1.730" ± 0.005"
Thread Engagement =	0.2238"
Thread size =	1 1/2" 20UN
A-LOK CRN =	OA6793.5
t =	0.23" / r = 0.504"



PARKER A-LOK
COMPRESSION FITTING

LISTED FLANGE
COMPONENT
AS PER
ANSI B16.5
1/2" - 2"
NOMINAL BORE
CLASS 150
TO CLASS 2500

0 B 1 1 7 6 7 . 2

FOR MATERIAL AND PROCESS SPECIFICATIONS REFER TO GENERIC PROCESS CONTROL SHEET		ALL DIMENSIONS IN UNLESS OTHERWISE STATED	
FOR PART MARKING DETAILS REFER TO PART MARKING SPECIFICATION		REMOVE ALL SHARP EDGES AND BURRS	
THIS DRAWING CONTAINS INFORMATION THAT IS CONFIDENTIAL AND PROPRIETY TO PARKER HANNIFIN INC. THIS DRAWING IS FURNISHED TO THE CUSTOMER UNDER THE WRITTEN CONSENT OF PARKER HANNIFIN. IT WILL NOT BE USED FOR THE REPRODUCTION OF ANY PARTS OR COMPONENTS WITHOUT THE WRITTEN CONSENT OF PARKER HANNIFIN. IT WILL BE RETURNED UPON REQUEST BY PARKER HANNIFIN.		UNLESS STATED 3rd ANGLE PROJECTION	
ISSUE NO.	1	INCH	1.000" ± .005"
E.C.N. NO.	N/A	METRIC	(0.254mm ± .001mm)
DATE	13/04/2011	ANGULAR	4.167° ± .030°
DESCRIPTION OF REVISION		GENERAL RIC FINISH 63min CLA1 1.6mm RA GEOMETRICAL TOLLS TO BS.308 PART 3. ALL THREAD TOLERANCES ARE TO BE IN ACCORDANCE WITH PARKER IPD ESST01.	
New Release		PART SIMILAR TO	
DRAWN BY: ZN		DO NOT SCALE IF IN DOUBT ASK	
DATE: 22/06/2011		FCB CRN Report Revision 2	
APPROVALS using electronic: PDM WORKFLOW (CSPF5525)		Parker Hannifin Ltd Parker Hannifin Products Division Europe Riverside Road Gerrards Cross Devon EX31 1NP +44 (0)1271 313131	

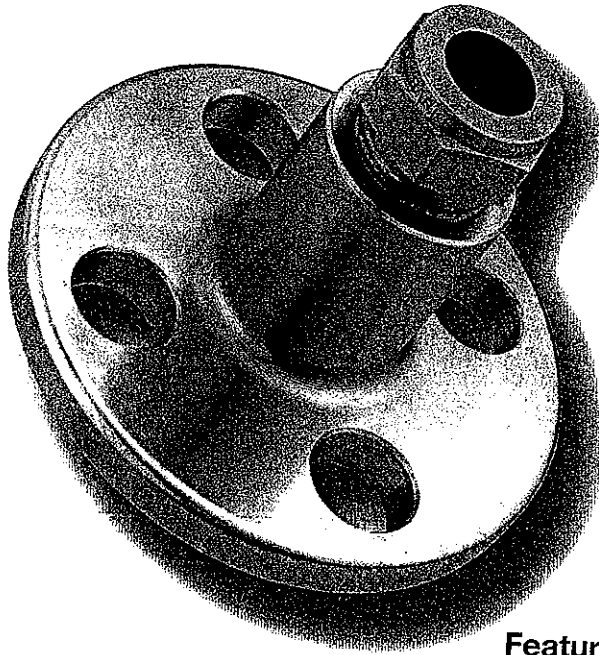
Flanged Products

Flange to compression connectors (FC)

Purpose

One piece integral connectors allow the user to switch from piping flange standards to instrument compression with minimum cost and added safety. This system eliminates the need for additional connections.

Series FC



Specification

- 1/2" to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- Flanges to ANSI B16.5. (others available on request)
- Standard or inverted A-LOK® arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard or inverted CPI™ arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Flange sealing:-
 - Raised face spiral finish.
 - Ring type joint.
- Standard stainless steel body (316).
- Other materials on application.

Features

- Full heat code traceability to EN10204-3.1
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- Variety of materials available.
- NACE MR 0175 / ISO 15156 compliance available on request.

0B11767.2

Part number construction

	Product code	Material (refer to table page 3)	Connection A-LOK maximum size 1" / 25mm	Flange size	Face style	Class
Example 1	FC	B	8A	16	F	600
Example 2	FC	K	M12A	8	T	1500

For CPI™ change A to Z.


For A-LOK® size codes use the A-LOK® catalogue.

Example 1: FCB8A16F600 - Stainless steel, 1/2" O.D. A-LOK® tube connection, 1" pipe flange, raised face, class 600.

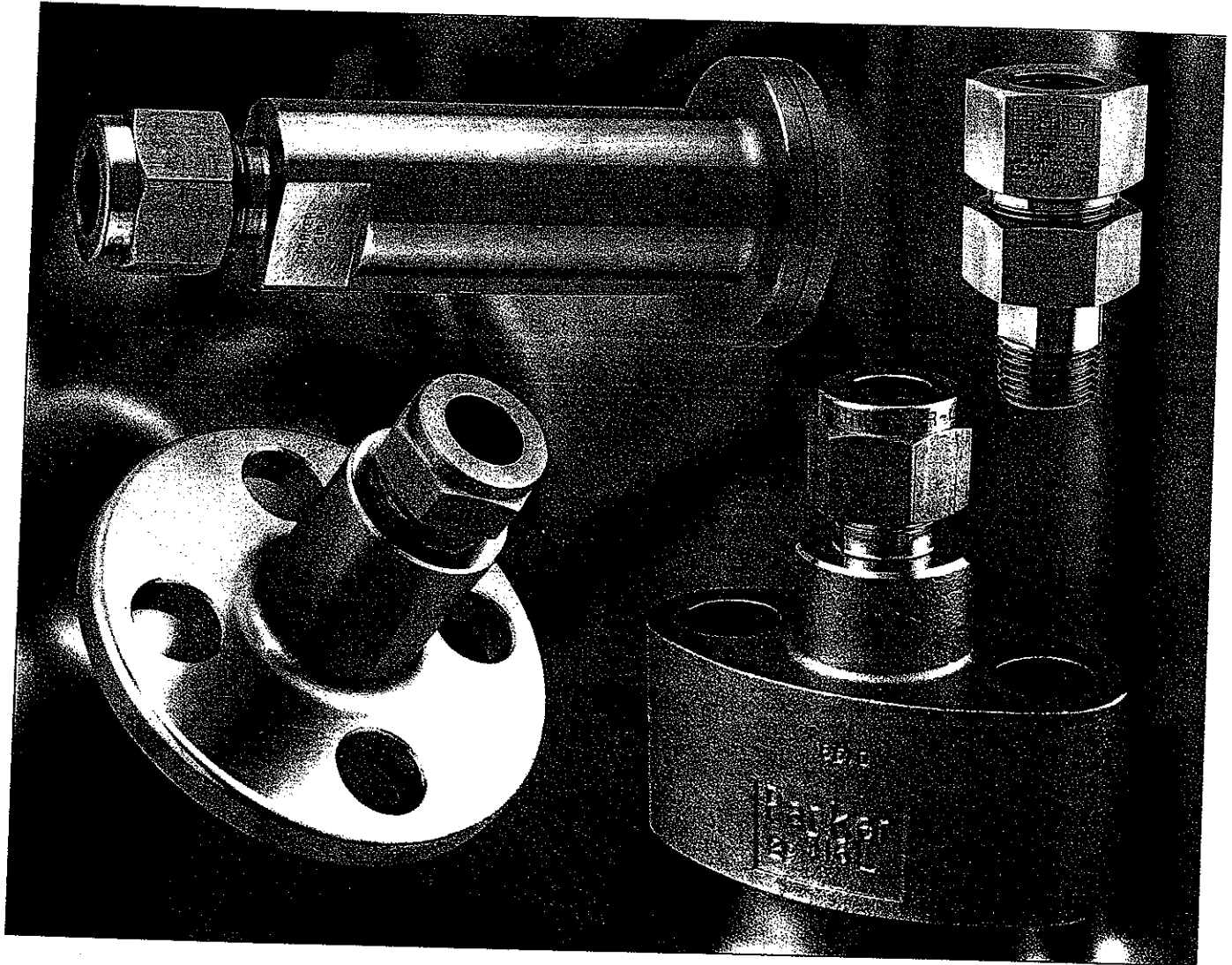
Example 2: FCKM12A8T1500 - 6Mo, 12mm O.D. A-LOK® tube connection to 1/2" pipe flange, ring type joint, class 1500.



Manifold Accessories

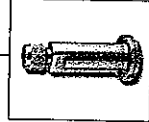
Inspection & Technical Services Manitoba
Boiler & Pressure Vessel Safety Program
Manitoba 
THIS IS PART OF CRN
OB 11767.24

Catalog 4190-FP-ACC
May 2007



Contents

Page 3 Lapped joint tube adaptors (LJ)



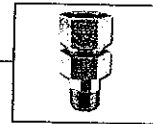
Page 4 Flange to compression connectors (FC)



Page 5 Kidney flanges to compression connectors (KF)



Page 6 Swivel gauge adaptors (SG)



Page 7 Further information



WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Offer of Sale

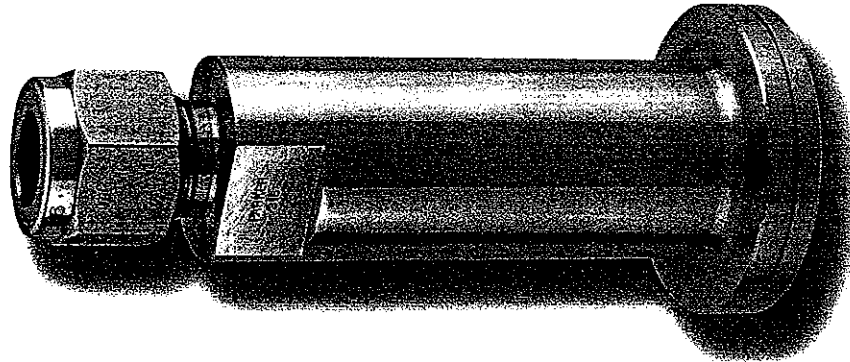
The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale" located in Catalog 4110-U Needle Valves (U Series).

Lapped joint tube adaptors (LJ)

Purpose

For applications involving small flanged process valves with simple conversion to instrument lines.

Series LJ



Specification

- 1/2" to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- Flange sealing:-
 Raised face spiral finish.
- Standard A-LOK® arrangement
 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard CPI™ arrangement
 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard stainless steel body (316).
- Other materials on application.

Features

- Full heat code traceability to EN10204-3.1
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- Appropriate slipover flanges available.
- NACE MR 0175 / ISO 15156 compliance available on request.

Part number construction

	Product code	Material (refer to table below)	Connection A-LOK maximum size 1" / 25mm	Flange size	Class (to be specified when slipovers required)	Optional slipover flanges (SF)
Example 1	LJF	B	8A	8	600	SF
Example 2	LJF	D	M6A	12		

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

Example 1: LJFB8A8600SF - Stainless steel, 1/2" O.D. A-LOK® tube connection to 1/2" (DN15) pipe flange, supplied with Class 600 slipover flange.

Example 2: LJFDM6A12 - Monel M400, 6mm O.D. A-LOK® tube connection to 3/4" (DN20) pipe flange.

Flange class must be specified when ordering slipover flange options.

A-LOK®/CPI products in Carbon Steel and Low temp
Carbon Steel will be supplied with 316 nuts and ferrules

A-LOK®/CPI products can not be offered in the
following materials:

- E: Duplex UNS 31803
- F: Super Duplex UNS.S.32750

Material

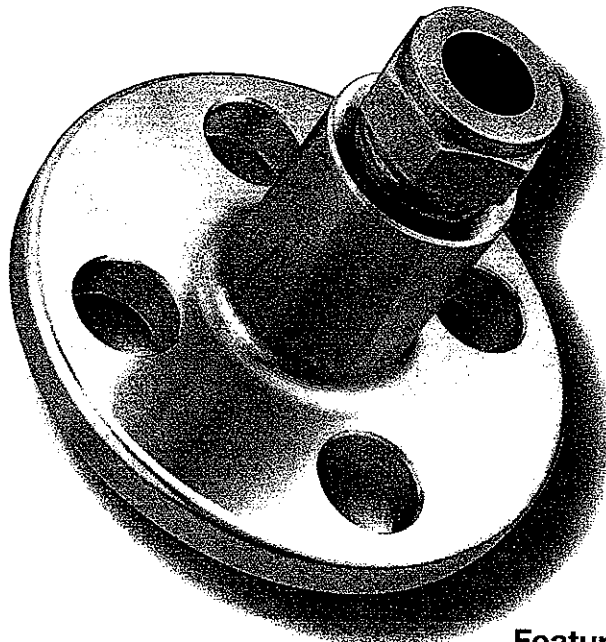
- A Carbon Steel A105
- B Stainless Steel 316
- D Monel M400
- E Duplex UNS 31803
- F Super Duplex UNS S.32750
- G Hastelloy C-276
- H Low Temp. C. St. A350 LF2
- K 6Mo
- L 825
- M Inconel 625

Flange to compression connectors (FC)

Purpose

One piece integral connectors allow the user to switch from piping flange standards to instrument compression with minimum cost and added safety. This system eliminates the need for additional connections.

Series FC



0 B1 1767 . 2

Specification

- 1/2" to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- Flanges to ANSI B16.5. (others available on request)
- Standard or inverted A-LOK® arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Standard or inverted CPI™ arrangements 1/4" to 1" O.D. (3mm to 25mm O.D.).
- Flange sealing:-
 Raised face spiral finish.
 Ring type joint.
- Standard stainless steel body (316).
- Other materials on application.

Features

- Full heat code traceability to EN10204-3.1
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- Variety of materials available.
- NACE MR 0175 / ISO 15156 compliance available on request.

Part number construction

	Product code	Material (refer to table page 3)	Connection A-LOK maximum size 1" / 25mm	Flange size	Face style	Class
Example 1	FC	B	8A	16	F	600
Example 2	FC	K	M12A	8	T	1500

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

Example 1: FCB8A16F600 - Stainless steel, 1/2" O.D. A-LOK® tube connection, 1" pipe flange, raised face, class 600.

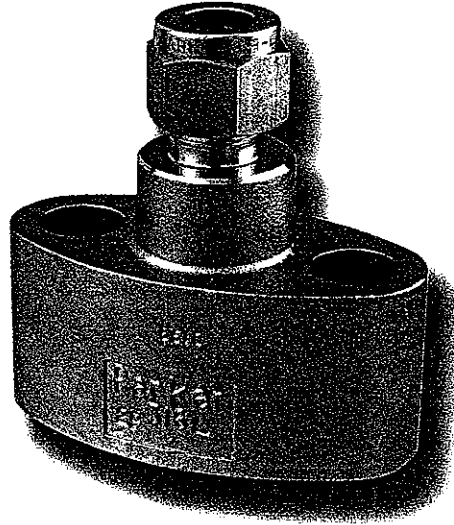
Example 2: FCKM12A8T1500 - 6Mo, 12mm O.D. A-LOK® tube connection to 1/2" pipe flange, ring type joint, class 1500.

Kidney flanges to compression connectors (KF)

Purpose

Integral A-LOK® twin ferrule connection for simple, easy and safe connection from process measurement impulse line to instrument or manifold

Series KF



Specification

- Rated to 6000psi. Max (depending on connection)
- Standard PTFE seal ring.
- Optional Graphite available.
- Standard stainless steel body (316).
- Standard A-LOK® arrangement 1/4" to 1/2" (3mm to 12mm).
- Standard CPI™ arrangement 1/4" to 1/2" (3mm to 12mm).
- Standard stainless steel body (316).
- Other materials on application.

Features

- High tensile steel bolts standard.
- Full heat code traceability to EN10204-3.1
- 1/2" NB Sch.40 to Sch XXS butt weld connections available.
- Offset threads available.
- Integrally machined body, no welding.
- Eliminates additional connections.
- P.T.F.E tape or liquid thread sealants not required.
- NACE MR 0175 / ISO 15156 compliance available on request.

Part number construction

	Product code	Material (refer to table page 3)	Connection A-LOK maximum size 1/2" / 12mm	Stainless steel bolts optional (SSB)	Graphite option (3)	NACE optional (N)
Example 1	KF	B	8A	-	3	-
Example 2	KF	B	8F	SSB		N

For CPI™ change A to Z.

For A-LOK® size codes use the A-LOK® catalogue.

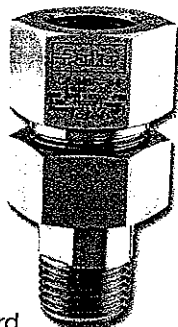
Example 1: KFB8A3 - Stainless steel, 1/2" O.D. A-LOK® tube connection, graphite sealing ring, 2 carbon steel bolts.

Example 2: KFB8FSSBN - Stainless steel, 1/2" Female NPT thread, P.T.F.E. sealing ring, 2 stainless steel bolts, complies to NACE.

Swivel gauge adaptors

Purpose

Parker's range of swivel gauge adaptors have been designed to provide 360° rotational movement enabling maximum positional orientation of installed gauges and measuring instruments. A fully contained sealing mechanism ensured total system integrity and offers the user up to 10,000 psig (690 barg) working pressure. Silver plated swivel nut thread and bearing area prevent thread galling of stainless steel threads and allow trouble free repeatable re-assembly.



Features

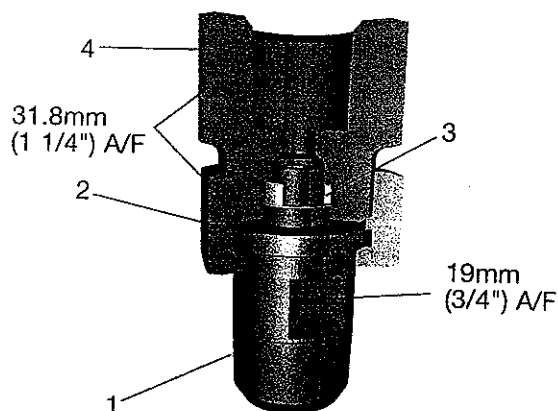
- Silver plated swivel thread and bearing surface to prevent thread galling and maximising re-make opportunities.
- Variety of thread options.
- Compact design.
- Fully contained and retained sealing mechanism.

Specification

- 316 Stainless steel standard.
- 1/2" NPT male to 1/2" NPT female standard.
- 6,000 psig (414 barg) maximum pressure rating.
- Maximum temperature rating 260°C (500°F).
- Fully heat code traceable.
- Height = 66mm (2.60").
- A/F1 = 19mm (3/4").
- A/F2 = 31.8mm (1 1/4").

Options

- Optional BSPP, BSPT & Metric male/female threads, BSPP female DIN 16288 spigot* seal outlet arrangement.
- * Note: for washers see CAT 4233 page 72 A-LOK®.
- 10,000 psig (689 barg) optional pressure rating.
- Graphoil packing for high temperature maximum 538°C (1,000°F).
- NACE MR 0175 / ISO 15156 compliance available on request.
- Heat code traceable certification.
- Other materials on application.



Part description

Item	Description
1	Inlet connector
2	Swivel nut
3	Seal
4	Gauge outlet connector

Part number construction

	Product code	Material (refer to table page 3)	Inlet connection NPT standard	Outlet connection NPT standard	Graphoil option (3)	High pressure option (HP)	NACE optional (N)
Example 1	SG	B	8M	8F	3	HP	-
Example 2	SG	B	6M	8F			N

For male outlet change F to M.

For BSPP suffix M and/or F with R.

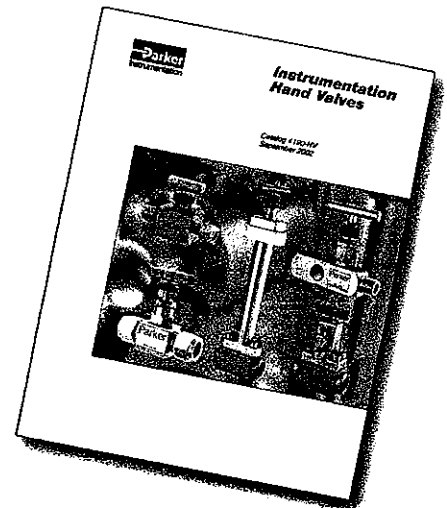
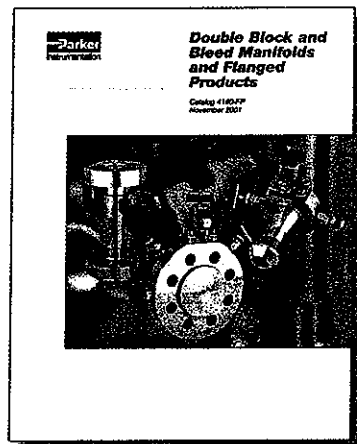
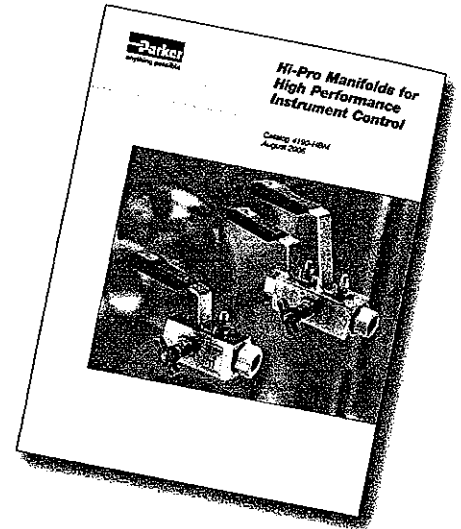
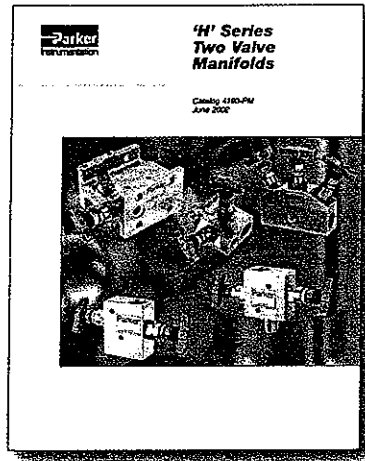
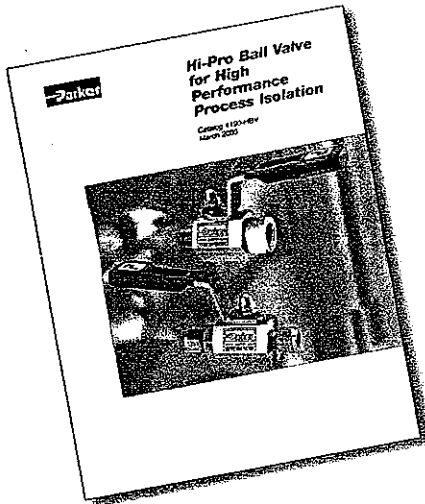
For BSPT suffix M and/or F with K.

For DIN 16288 spigot seal suffix F with RDIN.

Example 1: Stainless steel 1/2" NPT male inlet, 1/2" NPT female outlet, with graphoil seal and 10,000 psi (689 bar) rating.

Example 2: Stainless steel 3/8" NPT male inlet, 1/2" NPT female outlet, with P.T.F.E. (standard) and in accordance with NACE requirements.

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