



Inspection and Technical Services Manitoba

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www.firecomm.gov.mb.ca/codes_steam_pressure.html

March 14, 2018

ABSA

9410-20 Ave. NW

Edmonton, AB

T6N 0A4

Attn: Cynthia Formaniuk



REGISTRATION OF VALVES AND FITTINGS

Manufacturer: 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
Flange Connectors with CPI/ALOK tube fittings Catalog 4190-FP-ACC	0H11767.24	38637

An invoice covering survey and registration fees is enclosed.

NOTE:

- *CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **ABSA***
- *See attached stamped "this is part of CRN" for scope of registration.*
- *This registration expires **November 24, 2027**.*

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,

Rabie Harb, E.I.T.

Design Surveyor

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca

**STATUTORY DECLARATION
Registration of Fittings**

I, Marcus Ashford, Engineering Manager
(name of applicant) (position title) (must be in a position of authority)
of Parker Hannifin IPDE



located at Riverside Road, Barnstaple, Devon, UK EX31 1NP with additional manufacturing at
265 Alabama Highway 21 North, Jacksonville Alabama, USA
(name of manufacturer) (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 and ASME B16.5 as supported by the attached
(title of code of construction or other applicable document)

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 MANAGEMENT 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-ACC - Flange Connectors

(brief description of fittings)

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

See attached drawing, FCB CRN Report. N.B. : CRN 0A6793.5 also exists with respect to a portion of this design.

DECLARED before me at Barnstaple in the County of Devon UK
(city) (province or state)

this 25th day of October, 2017
(Month) (Year)

(print) Marcus Ashford
(a Commissioner of Oaths or Notary Public)

(sign) [Signature]
(a Commissioner of Oaths or Notary Public)

[Signature]
(signature of applicant)

For ABSA Office Use Only:

NOTES:

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 "H"

Registration Number: 0411767.24

[Signature]
(Signature of the Administrator/SCO)

Date Registered: 2018/03/14

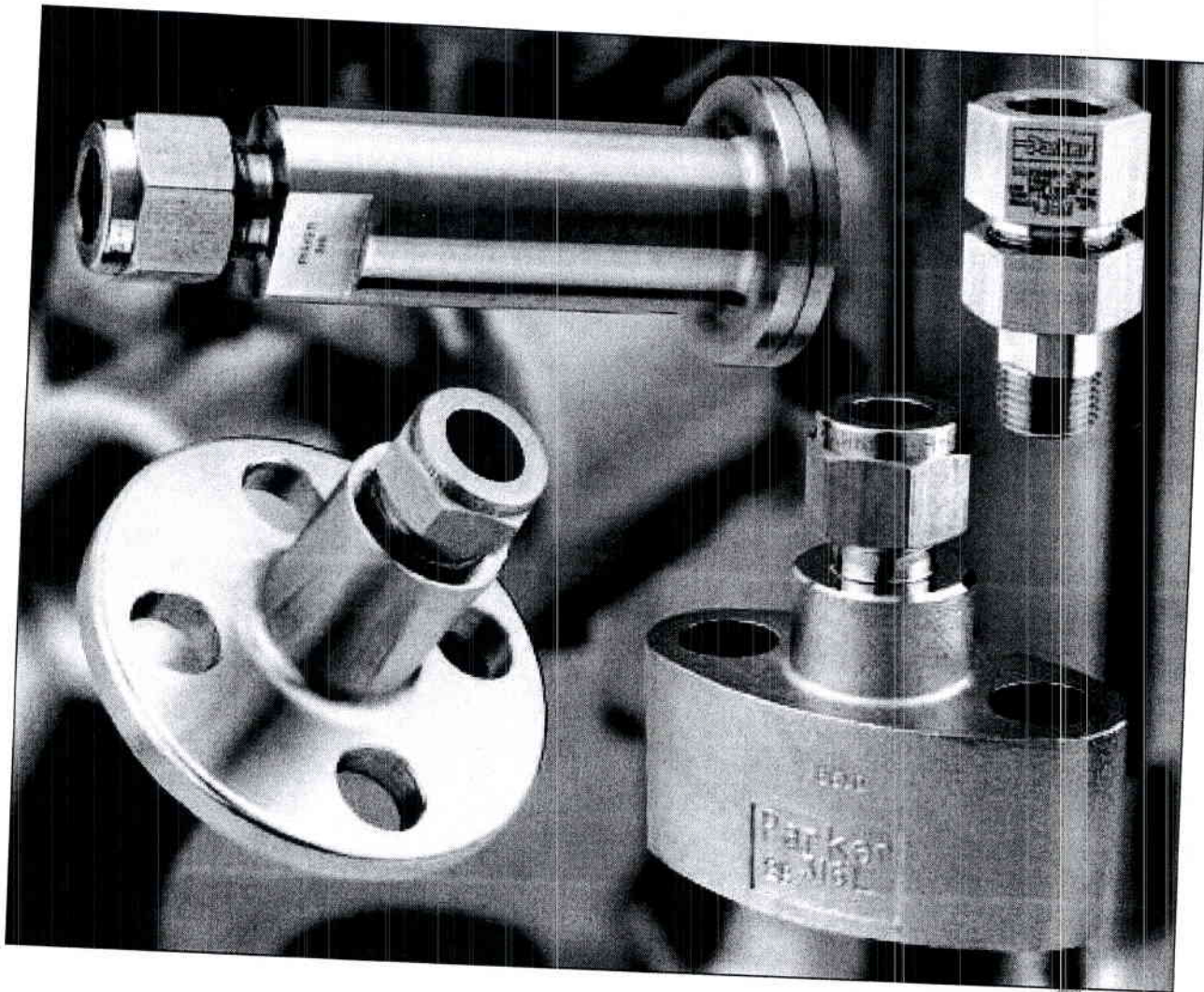
Expiry Date: Nov 24, 2027





Manifold Accessories

Catalog 4190-FP-ACC
May 2007



Manifolds

Inspection &
Technical Services
Manitoba

Office of the Fire
Commissioner

Manitoba 

THIS IS PART OF CRN

0H11767.24

0H11767.24

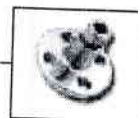
Flanged Products

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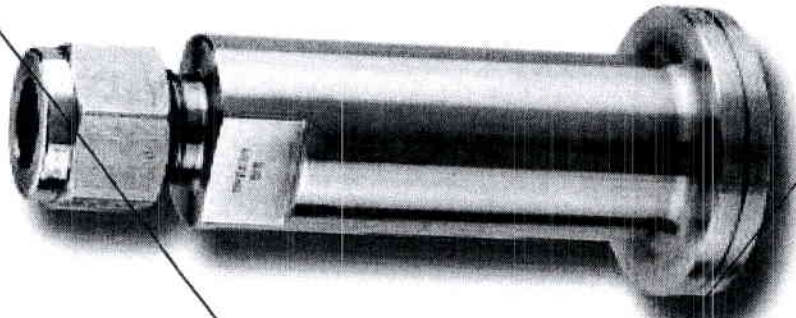
X = NOT PART OF THIS SUBMISSION

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

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 155)	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.

Flanged Products

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.



Specification

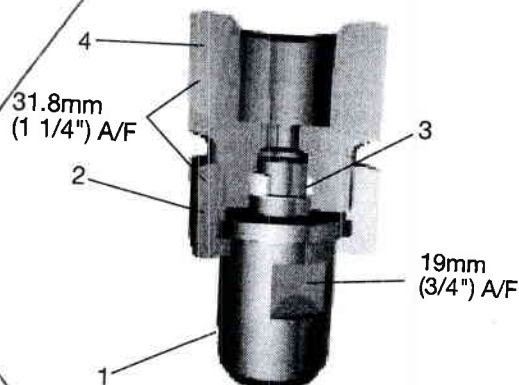
- 316 Stainless steel standard.
- 1/2" NPT male to 1/2" NPT female standard.
- 6,000 psig (414 barg) maximum pressure rating.
- Maximum temperature rating 260°C (500°F).
- Fully heat code traceable.
- Height = 66mm (2.60").
- A/F1 = 19mm (3/4").
- A/F2 = 31.8mm (1 1/4").

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.

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.



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 155)	Inlet connection NPT standard	Outlet connection NPT standard	Graphoil option (3)	High pressure option (HP)	NACE optional (N)
Example 1	SG	B	8M	8F			
Example 2	SG	B	6M	8F	3	HP	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.

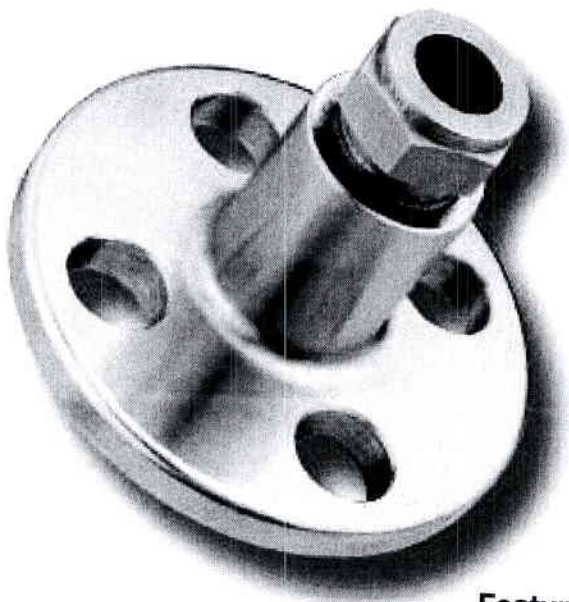
Flanged Products

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.

Part number construction

	Product code	Material (refer to table page 155)	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.



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