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Toronto, Ontario
CANADA M9W 6N9
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Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

February 22, 2017

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

Service Request Type.: BPV-National AB
Service Request No.: 1974044
Your Reference No.: 2,3 & 5 valve manifold
Registered to.: PARKER HANNIFIN INSTRUMENTATION GROUP CANADA

Dear SUSAN TURNER,

Please find enclosed the original response from AB, registered under the CRN No.: 0C11191.52.

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,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

January 18, 2017

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: tfrancis@tssa.org

The design submission, tracking number 2016-05993, originally received on November 11, 2016 was surveyed and accepted for registration as follows:

CRN : 0C11191.52

Accepted on: January 18, 2017

Reg Type: Addition to Acc. Fitting

Expiry Date: October 20, 2026

Drawing No. : CATALOG 4190-PM & 4190-FM Rev JUNE 2002

Fitting type: H SERIES 2, 3 & 5 VALVE MANIFOLDS

Design registered in the name of : PARKER HANNIFIN INSTRUMENTATION CANADA

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

TSSA Service Request No.: 1974044

The scope of this registration is the renewal of valve catalogs 4190-PM and 4190-FM as follows:

- *Catalog 4190-PM (June 2002) pages 6 to 11*
- *Catalog 4190-FM (June 2002) pages 9-10, 12-13, 14-16, and 18-19.*
- *Maximum working pressure limited to 6000 psi.*

The original registration was issued under tracking number 2006-07587.

The 2008 edition of the catalogs were provided and will be kept on file for information only. As per you email on January 6 there have been no technical changes between the 2002 and 2008 editions of the catalogs.

As indicated on the AB-41 Statutory Declaration form and submitted documentation the codes of construction are ASME B16.34, B16.5, and Section VIII, Division 1.

This submission has been accepted for registration based on the understanding that all valves will be built in compliance with ASME B16.34 in its entirety.

This registration has been issued based on:

- 1. TSSA's review, and*
- 2. The Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review.*



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

January 18, 2017

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

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,

RUDOLF, KEITH, P. Eng.

**STATUTORY DECLARATION
Registration of Fittings**

I, James Nelson, Senior Core Engineer
(name of applicant) (position title) (must be in a position of authority)
of Parker Hannifin IPDE
(name of manufacturer)



located at Riverside Road, Barnstaple, Devon, UK EX32 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 MSSSP99, ASME B16.5, ASME B16.34
ASME VIII, FED-STD-H28/2B 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 _____ 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

H-SERIES - CATALOG 4190PM TWO VALVE MANIFOLDS
H SERIES - CATALOG 4190FM 3 AND 5 VALVE DIFFERENTIAL PRESSURE MANIFOLDS
(brief description of fittings)

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

DESIGN CALCULATIONS (CRN H SERIES NEEDLE VALVE DESIGN VERIFICATION)

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

this 21st day of December, 2016
(Month) (Year)

(print) [Signature]
(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 C

Registration Number: 0C11191.52 [Signature]
(Signature of the Administrator/SCO)

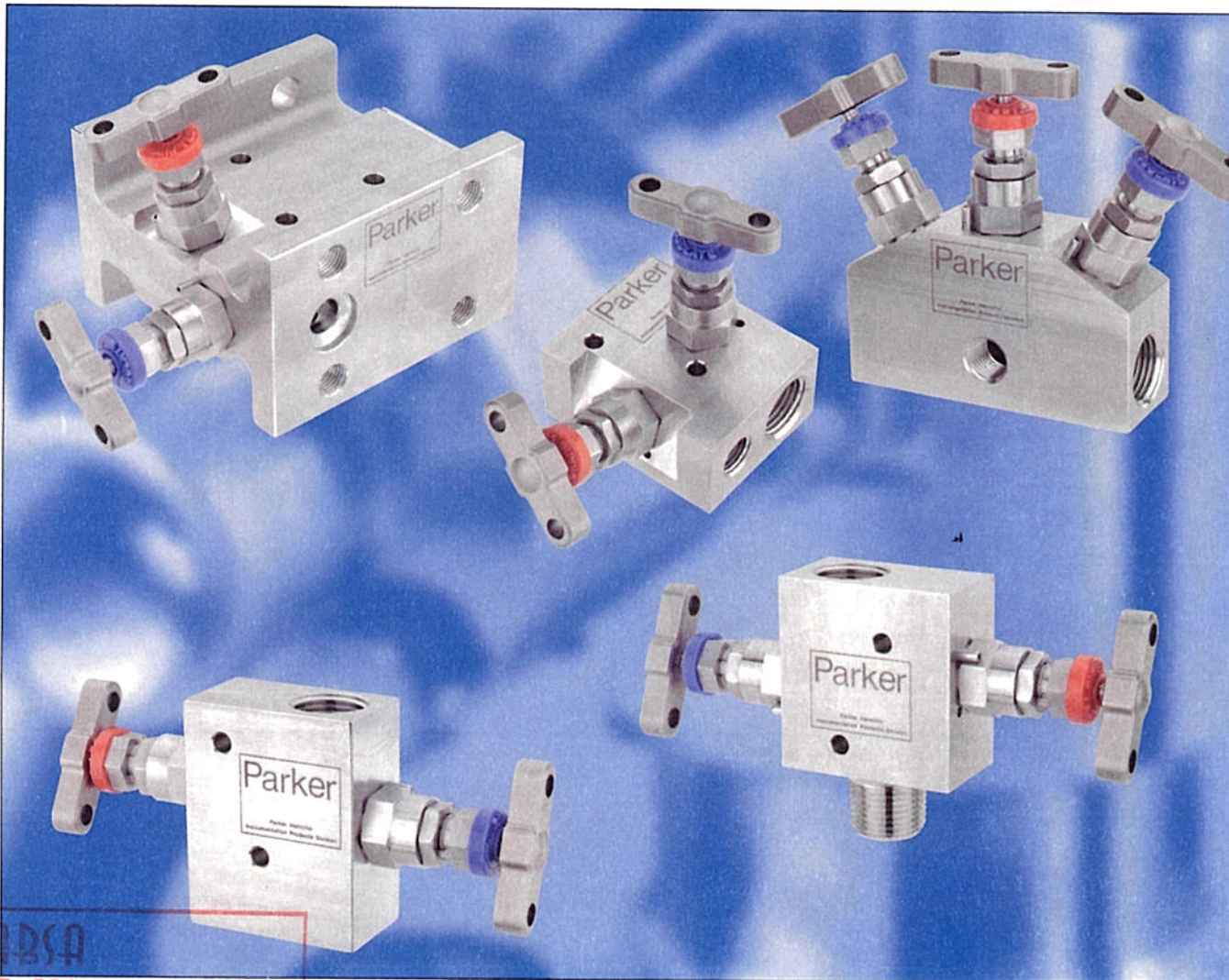
Date Registered: JAN 18 2017 Expiry Date: Oct 20 2026

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

"See Acceptance Letter for the comments
and/or conditions of registration"

'H' Series Two Valve Manifolds

Catalog 4190-PM
June 2002



ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0C11191.52**

DWG. NO. or CAT. NO. **4190-PM (June 2002)**

TYPE OF FITTINGS **H Series Valve Manifolds**

JAN 18 2017

Date

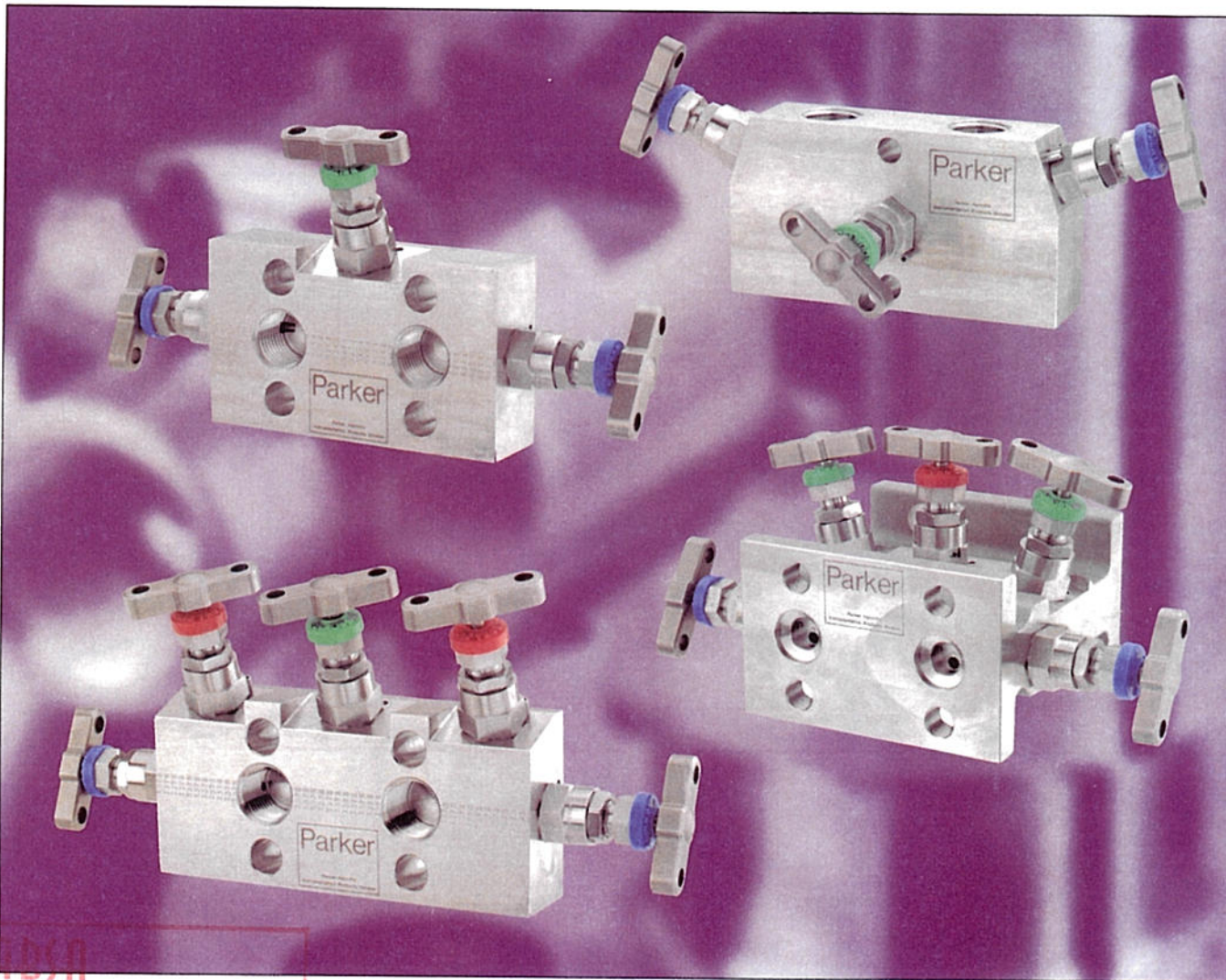
INITIALS

Keith Rudolf
KEITH RUDOLF, P.Eng.
DESIGN SURVEY ENGINEER

"See Acceptance Letter for the comments
and/or conditions of registration"

'H' Series 3 and 5 Valve Differential Pressure Manifolds

Catalog 4190-FM
June 2002



SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0C11191.52**

DWG. NO. or CAT. NO. **4190-FM (June 2002)**

TYPE OF FITTINGS **H Series Valve Manifolds**

IAN 18 2017

Date

INITIALS

Keith Rudolf
KEITH RUDOLF, P.Eng.
DESIGN SURVEY ENGINEER

"See Acceptance Letter for the comments
and/or conditions of registration"

0011191-52

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
209347-2016-AQE-GBR-UKAS

Initial certification date:
01 April 2010

Valid:
15 November 2016 - 15 November 2019

This is to certify that the management system of

Parker Hannifin Manufacturing Ltd Instrumentation Products Division Europe

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

has been found to conform to the Management System standards:

ISO 14001:2015/ ISO 9001:2015

This certificate is valid for the following scope:

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.

Place and date:
London, 10 November 2016



For the issuing office:
**DNV GL Business Assurance UK Limited
Palace House, 3 Cathedral Street, London,
SE1 9DE, United Kingdom**

Richard Redmond
Management Representative