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November 26, 2014

FRED ROY
PARKER HANNIFIN CANADA INC
4635 DURHAM RD S
GRIMSBY ON L3M 4G4
CA

Service Request Type.: BPV-National MB
Service Request No.: 1446796
Your Reference No.: RH SERIES RELIEF VALVES - NAT'L SERV.
Registered to.: PARKER HANNIFIN - INSTRUMENTATION PRODUCTS DIVISION

Dear FRED ROY,

Please find enclosed the original response from MB, registered under the CRN No.: 0C8778.54.

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



Inspection and Technical Services Manitoba
500 - 401 York Avenue
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T (204) 945-3373
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www.firecomm.gov.mb.ca/codes_steam_pressure.html

30 September 2014

TSSA
3300 Bloor St. W, Center Tower, 14th Floor
Toronto, ON
M8X 2X4

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: PARKER HANNIFIN INSTRUMENTATION PRODUCTS DIVISION

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
4135-CV: RH SERIES RELIEF VALVES	0C8778.54	34367

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: TSSA. See attached stamped "this is part of CRN" for scope of registration. This registration expires **July 14, 2024**.*

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
500 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: rabie.harb@gov.mb.ca



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

P

STATUTORY DECLARATION

Registration of Fittings

I, Tony Wyszowski, General Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Parker Hannifin, Instrumentation Products Division
(Name of Manufacturer)

Located at 1005 A Cleaner Way, Huntsville, AL, USA, 35805 256-881-2040 256-881-5072
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)
which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with MSS-SP-99, MSS-SP-105 as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001 which has been verified by the following authority, Det Norske Veritas.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:

ISO Certificate, Catalog 4135-CV(cover, toc, pages 36-39), RH Series Relief Valves Pressure Integrity Report 2014

(drawings, calculations, test reports, etc.)

Declared before me at Huntsville, Madison County in the state of Alabama

the 13th day of May AD 2014.

Commissioner for Oaths:

Sheri Coggan
(Printed name)

Sheri Coggan
(Signature)

[Signature]
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category "C".

CRN: 0C8778.54

Registered by: Ralie Harl

Dated: Sept 30, 2014

NOTE: This registration expires on: July 14, 2024



Scope

The table below shows the valve part number description from the catalog for the RH series relief valve. This is not a primary safety relief valve.

For this valve there is only one valve body (RH4A) available in only one material (in this case ASTM A182 Type F316). The valve is only available in the one size (in this case size 4 or approximately one quarter inch with an orifice of 0.14"). The minimum wall thickness for all valves in this line regardless of port connection is at the undercut of the bonnet thread on the valve body. The inlet and outlet port options all have wall thicknesses great than the valve body minimum. The seal material, actuation and spring options do not affect the valve minimum wall.

4Z		RH4A		BN T		SS		K6			
Inlet Port*	Outlet Port*	Valve Series		Seal Material	Back-Up Rings**	Body Material		Actuation		Spring Kit***	
Inlet Port*	Outlet Port*	Valve Series	Seal Material	Back-Up Rings**	Body Material		Actuation		Spring Kit*** (psig)		
4M	Male NPT	RH4A	V	Fluorocarbon Rubber	T	PTFE	SS 316	Blank	Standard	K1	60 - 350
4F	Female NPT						Stainless Steel	MN	Manual	K2	350 - 750
4A	A-LOK® Compression		BN	Nitrile Rubber					Overdrive	K3	750 - 1500
4Z	CPI® Compression		EPR	Ethylene Propylene Rubber						K4	1500 - 2250
4KF	Female BSP/ISO									K5	2250 - 3000
4KM	Male BSP/ISO		NE	Nacprene Rubber						K6	3000 - 4000
M6A	A-LOK® Compression		KZ	Highly Fluorinated Fluorocarbon Rubber						K7	4000 - 5000
M6Z	CPI® Compression									K8	5000 - 6000
M8A	A-LOK® Compression										
M8Z	CPI® Compression										

