

September 29, 2021

**Attention:** Peter Prange  
PARKER HANNIFIN CANADA  
160 CHISHOLM DRIVE  
MILTON, ON L9T 3G9

The design submission, tracking number 2021-04746, originally received on September 07, 2021 was surveyed and accepted for registration as follows:

<b>CRN :</b> 0H12507.2	<b>Accepted on:</b> September 29, 2021
<b>Reg Type:</b> RENEWAL	<b>Expiry Date:</b> September 29, 2031
<b>Drawing No. :</b> HPAHM-DWG-CRN Rev 4	
<b>Fitting type:</b> AIR HEADER MANIFOLD	
Design registered in the name of : PARKER HANNIFIN INSTRUMENTATION PRODUCTS	

Description	MAWP	Design Temperature
As listed on drawing		

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

*Scope of the registration is the CRN renewal and addition of the HP model with Threaded inlet/outlet & Socket Welded inlet/outlet connections.*

*Removable fittings are not included in this registration and they shall be registered with separate CRNs.*

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.*

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3310 or fax (780) 437-7787 or e-mail Onshchenko@absa.ca.

Sincerely,





the pressure equipment safety authority

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

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September 29, 2021

UNSHCHENKO, TETIANA, P. Eng.

DOP Cert. No. D00010125

**STATUTORY DECLARATION  
Registration of Fittings**  
Single or Multiple Fitting Designs within one Fitting Category

I, Marcus Ashford, Engineering Manager  
(name of applicant) (position title) (must be in a position of authority)  
of Parker Hannifin Manufacturing Ltd-Instrumentation Products Division Europe  
(name of manufacturer)  
located at Riverside Road, Barnstaple, Devon, EX31 1NP United Kingdom  
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act  
(select only 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 Pressure Vessel Codes as supported by the  
(title of code of construction or other applicable document)  
attached data which identifies the dimensions, materials of construction, pressure/temperature ratings  
and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

**Quality Program Verification and Manufacturing Sites**

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	HPAHM* Air Distribution Manifolds	ISO 9001	Design manufacture of valves, manifolds, connectors, regulators & supporting ancillary equipment in corrosion resistant materials	06-March-2022	Bureau Veritas	Same as above
2.						

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

Existing CRN Submissions: 0H12507.2 [ADM] & 0C9622.51 [Ball Valves]

Drawing: HPAHM-DWG-CRN-REV.3

HPAHMS1016F01MSW8F8FBVO [Flanged 150#] HPAHMS616N8N8NBVO [THD]

Calculations: HPAHM-10-CRN-CALC REV.5



(Signature of the Declarer)

03/09/2021

(Date)

DECLARED before me at \_\_\_\_\_ in the \_\_\_\_\_ of \_\_\_\_\_  
(city) (province, territory, or state)

this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
(Month) (Year)

(print) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

(sign) \_\_\_\_\_  
(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: \_\_\_\_\_  
(province, territory, or state)

**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, Part 1, Clause 4.2, and is accepted for registration in Category \_\_\_\_\_.

CRN: \_\_\_\_\_

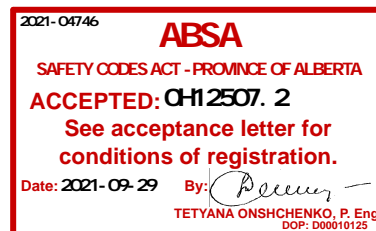
Registered Date: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

Signature: \_\_\_\_\_

(Signature of the Administrator/SCO)

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



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

**Table 1\*\* Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
Air Distribution Manifolds HPAHM	Nominal Bore Pipe Flanged Inlet	A182 F316/316L, S31254, N04400,	NPS 2 BW, MNPT, FNPT, SW, flanged	-55°C	See Dwg HPAHM-10-DWG-CRN-03 DESIGN DATA TABLE MATERIAL SPECIFIC 316 LP Class 150# @ 40°C	See Dwg HPAHM-10-DWG-CRN-03 DESIGN DATA TABLE MATERIAL SPECIFIC 316 LP Class 150# @ 200°C	Flange Class 150# 300# Schedule 80	ASME VIII Div 1.	Cat 4190-DM
	Nominal Bore Pipe Threaded Inlet	A182 F316/316L, S31254, N04400,	NPS 2 BW, MNPT, FNPT, SW,	-55°C	See Dwg HPAHM-10-DWG-CRN-03 DESIGN DATA TABLE MATERIAL SPECIFIC 316 HP @ 40°C	See Dwg HPAHM-10-DWG-CRN-03 DESIGN DATA TABLE MATERIAL SPECIFIC 316 HP @ 200°C	N/A	ASME VIII Div 1.	
	Ball Valve	A479 UNS 31600/S31603, S31254, N04400,	FNPT, MNPT Compression fittings	-54°C	6000 Psig PTFE / PEEK Seat option	PTFE Seat: 150°C 900 Psig PEEK Seat: 200°C 6000 Psig	Up to 2500#	MMS SP99 ANSI/ASME B16.34	

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**Table 2 Additional Scope Information**

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options
<p>Flanged Inlet Style [LP Class 150#] - See Following Drawings:</p> <p>HPAHMS1016F01MSW8F8FBVO - MSW Male Socket Weld Distribuiton Outlets</p> <p>HPAHMS616F1508N8NBVO - Thread Nipple Body connection Distribuiton Outlets</p> <p>Threaded Inlet Style - See Following Drawings:</p> <p>HPAHMS616N8N8NBVO - Threaded Nipple Body connection Distribution Outlets</p>

\*\* For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

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