

345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626 Toll Free: 1.877.682.8772 www.tssa.org

November 17, 2017

SCOTT ISLIP ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6 CA

Service Request Type.: BPV-National MB Service Request No.: 2105870 Your Reference No.: R-0766 MASON EXPANSION COMPENSATORS Registered to.: MASON INDUSTRIES INC

Dear SCOTT ISLIP,

Please find enclosed the original response from MB, registered under the CRN No.: 0D19128.54.

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 Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309 www.firecomm.gov.mb.ca/codes_steam_pressure.html

October 19, 2017

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: Mason Industries

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
Expansion joints ECFFL (Flanged), ECMN (MNPT), ECWN (Butweld)		
and ECPS (Sweat End)	0D19128.54	38050
See attachment to the SD Form for full scope of registration		

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 January 30, 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



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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



STATUTORY DECLA Registration of Fitti		
L SEAN CUNNINGHAM, QUALITY CONTROL MANAGER		
	hief Engineer)	
of MASON INDUSTRIES INC.		
(Name of Manufacturer)	Registration of Fittings ITROL MANAGER me and Position, e.g. President, Plant Manager. Chief Engineer) (Name of Manufacturer) PAUGE, NY, 11788, USA 631-348-0282 Address) (Telephone No.) (Fax No.) Issue Number and Subject to the Technical Standards and Safety Act, Boilers comply with all of the requirements of ON (Title of recognized North American Standard) als of construction, pressure/temperature ratings, identification marking the fittings and service; so f a recognized North American Standard) also for south of the merican standard and are therefore manufactured to comply with all are standard and are therefore manufactured to construction, e basis for such ratings, the marking of the fitting for identification and service; so f a recognized North American Standard? also of construction, pressure/temperature ratings, identification marking the fittings and service; so f a recognized North American Standard? also for such ratings, identification marking the fittings and service; so f a recognized North American Standard? as upported by the aditched data which identififees the dimensions, material of construct	
Located at 350 RABRO DRIVE, HAUPPAUGE, NY, 11788, USA	631-348-0282	631-348-0279
(Plant Address)		
do solemnly declare that the fittings listed hereunder, which are subject to t and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, EJMA, 10TH EDITION	he Technical Standar	ds and Safety Act, Boilers
		as the fillings and contact
which specifies the dimensions, materials of construction, pressure/temperature n	aungs, idenuilcauon marki	ng ule hungs and service,
as supported by the attached data wh	ich identifies the dimensi	ons, material of construction,
I further declare that the manufacture of these fittings is controlled by a quality syste	em meeting the requiren	nents of ISO:9001
which has been verified by the following authority, SEISMIC SOU	IRCE INTERNATIONA	L
The items covered by this declaration, for which I seek registration, are category <u>CATEC</u>	ORY D	type fittings. In support of
this application, the following information and/or test data are attached as follows: SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS		
(drawings, calculations, test reports, etc	.)	`
Declared before me at Aauffauge in the	egistration of Fittings SER g. President, Plant Manager, Chiel Engineer) Name of Manufacturer) 11788, USA 631-348-0282 631-348-0279 (Telephone No.) (Fax No.) ler, which are subject to the Technical Standards and Safety Act, Boilers I of the requirements of mized North American Standard) on, pressure/temperature ratings, identification marking the fittings and service; ed North American standard and are therefore manufactured to comply with dby the attached data which identifies the dimensions, material of construction, n ratings, the marking of the fitting for identification and service. ontrolled by a quality system meeting the requirements of ISO:9001 authority, SEISMIC SOURCE INTERNATIONAL ion, are category CATEGORY D type fittings. In support of tached as follows: 20/T2	
the <u>24</u> day of <u>April</u> AD 20/7.		
Commissioner for Oaths: Mary PRian (Signature)	(Signature o	f Declarer)
To the best of my knowledge and belief, the application meets the requirements of the	Technical Sen	
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, an CSA Standard B51 and is accepted for registration in Category		itoba 🗫
CRN: ØD9128.59	REC	GISTERED
Registered by: Rulin Hand		DA128.54 Salie Hart
Dated: 1017/10/19		17/10/19
NOTE: This registration expires on Jan 30, 20	127	

PV 09553 (06/04)



MASON INDUSTRIES INC.

350 RABRO DR. HAUPPAUGE, NY 11788

SCOPE OF CRN REGISTRATION

PAGE 1 OF 1

Product	Mason	Design	Size		End	Material	MDMT	Design
Description	Model	Code	Range	MAWP	Connection	Specification		Report
Expansion Compensator with Fixed and Floating Flanges	ECFFL	ASME B31.3 EJMA 10TH Edition	3/4" thru 4"	200 psig at 400F	150 Lb. RF Flange (Note 1)	ASTM A53-E/B C.Steel		
Expansion Compensator with MNPT End	ASME B31.3 EJMA 10TH	3/4" thru 1-1/2"	at 366F	150 psig at 366F MNPT ASTM A36 C.Stee	ASTM A36 C.Steel ASTM A105 C.Steel	-20F	R-0766A	
Connections	LOWIN	Edition	2" thru 4"	200 psig at 400F	(Note 2)	ASTM A240-304/304L S.Steel UNS S30400/S30403		
Expansion Compensator with Buttweld End Connections	ECWN	ASME B31.3 EJMA 10TH Edition	3/4" thru 4"	200 psig at 400F	Buttweld (Note 3)			
Expansion Compensator with Female Sweat End Connections		S ASME B31.3 EJMA 10TH Edition Size 4"		Female Sweat	ASTM B88 Copper UNS C12200 ASTM A269-304/304L S.Steel Sweat ASTM A240-304/304L S.Steel	-20F	R-0766B	
	ECCPS		Size 4"	145 psig at 400F (Note 4)	End	UNS S30400/S30403 (Note 5)	Technical Sen	Office of the Commission
	alues stated 1 1-1/2" whe	in the "MAWP" on supplied with S	olumn above ch. 40 ends w	vith MNPT p	pipe threads the	he pressure-temperature maximum operating conditions are IPT pipe threads the MAWP may	Manitoba	S PART OF

Note 2: For sizes 3/4" thru 1-1/2" when supplied with Sch. 40 ends with MNPT pipe threads the maximum operating conditions are limited to 150 psig at 366F. When sizes 3/4" thru 1-1/2" are supplied with Sch. 80 ends with MNPT pipe threads the MAWP may be increased to 200 psig at 400F.

Note 3: Minimum buttweld pipe schedule to be as follows:

- Sizes 3/4" thru 4": Schedule 40 per ASME B36.10M

Note 4: The safe pressure-temperature rating of a solder-joint piping system is dependent, not only on the valve, fitting and tubing strength, but also on the composition of the solder used for the joints. Pressure-temperature limitations for solder joints made with typical commercial solders are given in Table II-4 of ASME B16.22. It shall be the responsibility of the user to select a solder composition that is compatible with the service conditions, as well as to assure the adequacy of workmanship employed in making the joints. Note 5: In accordance with ASME B16.22 copper UNS C10200, C12000, C23000 may be substituted for copper UNS C12200.

16-May-17