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www.tssa.org

May 24, 2017

SCOTT ISLIP ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON LOR 2H8 CA

Service Request Type:BPV-Fitting RegistrationService Request No.:2080672Your Reference No.:R-0766 MASON EXPANSION COMPENSATORSRegistered to:MASON INDUSTRIES INC

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

## CRN No.:

## 0D19128.5ADD1

Main Design No.:

Addition of Expansion Joints ECFFL (Flanged), ECMN (MNPT), ECWN (Butt-weld) and ECCPS (Sweat End) - see the attachment to the Statutory Declaration Form for full scope of registration.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng. Engineer Specialist BPV Tel.: 416-734-3494 Fax: 416-231-1626 Email: <u>mvalcic@tssa.org</u>



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TECHNICAL STANDARDS & SAFETY AUTHORITY 14th Floor, Centre Tower 3300 Bioor 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 DECLARATION							
Registration of Fitting	S						
I, SEAN CUNNINGHAM, QUALITY CONTROL MANAGER							
(Name and Position, e.g. President, Plant Manager, Chiel	' Engineer)						
of MASON INDUSTRIES INC.							
(Name of Manufacturer)							
Located at 350 RABRO DRIVE, HAUPPAUGE, NY, 11788, USA	631-348-0282	631-348-0279					
(Plant Address)	(Telephone No.)	(Fax No.)					
do solemnly declare that the fittings listed hereunder, which are subject to the and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, EJMA, 10TH EDITION	Technical Standard	is and Safety Act, Boilers					
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratin	gs, identification markir	ng the fittings and service;					
	-						
or are not covered by the provisions of a recognized North American standard as supported by the attached data which	identifies the dimension	ons, 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 requirem	ents of ISO:9001					
which has been verified by the following authority, SEISMIC SOURC	E INTERNATIONAL						
The items covered by this declaration, for which I seek registration, are category <u>CATEGOF</u>	RYD	_ type fittings. In support of					
this application, the following information and/or test data are attached as follows: SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS	3						
(drawings, calculations, test reports, etc.)							
Declared before me at hulfnunge in the	te	of Hurchk					
the day of AD 20 _/7		$\bigcirc$					
Commissioner for Oaths:	~						
Marix Hayan	10	h					
(Primied name)	( XX	$\rightarrow$					
Hand you and							
(Signature)	(Signature of	Declarer)					
FOR OFFICE USE ONLY	Technical						
To the best of my knowledge and belief, the application meets the requirements of the	Standards	Boilers and Pressure Vessels					
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	and Safety Authority	Safety Program					
nneine SAhni	REG	ISTERED					
CRN: MARK VALCic, P.ENG.	on of	19128.5 ADDI					
Registered by: 1/4/CK VANGC, P.END.	C.R.N.V	lillae.					
Dated:	Signed:	IN 1A. 1017					
NOTE: This registration expires on JAN 30, 2027	Date:						
PV 09553 (06/04) NOTE: SEE THE ATTACHMENT FOR THE SCOP	EOF ADOL A	EGISTMATION-PULC					
		Macy 24/17					



## **MASON INDUSTRIES INC.**

16-May-17

350 RABRO DR. HAUPPAUGE, NY 11788

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Boilers & Pressure

Safety, Program

## SCOPE OF CRN REGISTRATION

Product	Mason	Design	Size		End	Material	MDMT	Design
Description	Model	Code	Range	MAWP	Connection	Specification		Report
Expansion Compensator with Fixed and Floating Flanges Expansion Compensator	ECFFL	ASME B31.3 EJMA 10TH Edition ASME B31.3	3/4" thru 4" 3/4" thru	200 psig at 400F 150 psig	(Note 1)	ASTM A53-E/B C.Steel ASTM A36 C.Steel ASTM A105 C.Steel ASTM A240-304/304L S.Steel UNS S30400/S30403	-20F	R-0766A
with MNPT End	ECMN	EJMA 10TH Edition	1-1/2" 2" thru 4"	at 366F 200 psig at 400F	MNPT (Note 2)			
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	ECCPS	ASME B31.3 EJMA 10TH	3/4" thru 3"	150 psig at 400F (Note 4)		ASTM B88 Copper UNS C12200 ASTM A269-304/304L S.Steel ASTM A240-304/304L S.Steel	-20F	D 0766D
Connections	20010	Edition Size 4"	145 psig at 400F (Note 4)	End	UNS S30400/S30403 (Note 5)	-201	R-0766B	

Note 1: Flanges with a pressure class greater than class 150 Lb. may be used but in all cases the pressure-temperature

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 HIS ISPA 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.