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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
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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) See attachment to the SD Form for full scope of registration	0D19128.54	38050

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



MASON INDUSTRIES INC.

350 RABRO DR.
HAUPPAUGE, NY
11788

16-May-17

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SCOPE OF CRN REGISTRATION

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

Note 1: Flanges with a pressure class greater than class 150 Lb. may be used but in all cases the pressure-temperature ratings are limited to the values stated in the "MAWP" column above.

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 butt weld 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.

