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May 24, 2017

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type: BPV-Fitting Registration

Service Request No.: 2080672

Your Reference No.: R-0766 MASON EXPANSION COMPENSATORS

Registered 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
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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 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	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 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.

