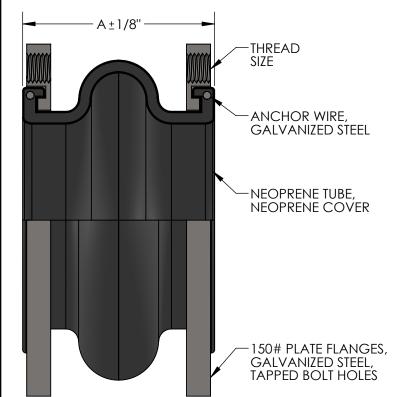
MODEL MSONN, STYLE "O" METRASPHERE NEOPRENE EXPANSION JOINT, TAPPED BOLT HOLES



MAXIMUM OPERATING CONDITIONS

TEMPERATURE	PRESSURE (PSI)			
TEMPERATURE	1" - 12"	14" AND UP		
170°	225	125		
180°	200	115		
190°	175	105		
200°	150	95		
210°	125	40		
220°	100	35		
230°	75	25		

MAXIMUM WORKING TEMPERATURE 230°F

NOTES:

WWW.METRAFLEX.COM FOR INSTALLATION INSTRUCTIONS.
JOINT MUST BE INSTALLED AT ITS NEUTRAL LENGTH.
BOLTS MUST BE PROPERLY TORQUED.
NOT SUITABLE FOR STEAM OR VACUUM APPLICATIONS.

IF CONNECTING PIPE IS NOT ANCHORED AND GUIDED, CONTROL UNITS MUST BE USED.

TO BE FURNISHED WITH CONTROL UNITS:

		YES		NO
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QTY	PART NUMBER	PIPE		A	AXIAL COMP.	FORCE (LBS)	AXIAL EXT.	FORCE (LBS)	LATERAL OFFSET	FORCE (LBS)	ANGULAR	WEIGHT (LBS)	THREAD
	INUIVIDER	INCH	MM		COMP.	(LDS)	EXI.	(LD3)	OFFSEI	(LD3)		(LD3)	SIZE (UNC)
	MSONN0100	1"	25	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	5	1/2"
	MSONN0125	1-1/4"	32	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	6	1/2"
	MSONN0150	1-1/2"	38	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	7	1/2"
	MSONN0200	2"	50	4-1/8"	3/8"	55	1/4"	73	3/8"	55	15°	8	5/8"
	MSONN0250	2-1/2"	65	4-1/2"	1/2"	102	1/4"	68	3/8"	97	15°	13	5/8"
	MSONN0300	3"	80	5-1/8"	1/2"	136	1/4"	115	3/8"	108	15°	14	5/8"
	MSONN0400	4"	100	5-3/8"	3/4"	145	3/8"	242	1/2"	275	15°	18	5/8"
	MSONN0500	5"	125	6-3/4"	3/4"	172	3/8"	196	1/2"	308	15°	23	3/4"
	MSONN0600	6"	150	7-1/8"	3/4"	293	3/8"	563	1/2"	484	15°	28	3/4"
	MSONN0800	8"	200	8-1/8"	1"	372	1/2"	587	7/8"	688	15°	40	3/4"
	MSONN1000	10"	250	9-3/8"	1"	398	1/2"	455	7/8"	781	15°	68	7/8"
	MSONN1200	12"	300	10-1/4"	1"	390	1/2"	356	7/8"	842	15°	94	7/8"
	MSONN1400	14"	350	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	105	1"
	MSONN1600	16"	400	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	120	1"
	MSONN1800	18"	450	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	125	1-1/8"
	MSONN2000	20"	500	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	145	1-1/8"
	MSONN2400	24"	600	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	265	1-1/4"

NSF 372 - LEAD FREE

The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight. Material complies with state codes and standards, where applicable, requiring reduced lead content.

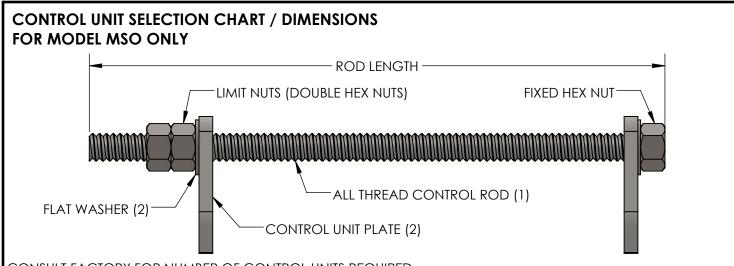
CUSTOMER:
PROJECT:
ENGINEER:

REV.	DATE				
Me for pipes in	2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM				
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METRASPHERE MODEL MSONN

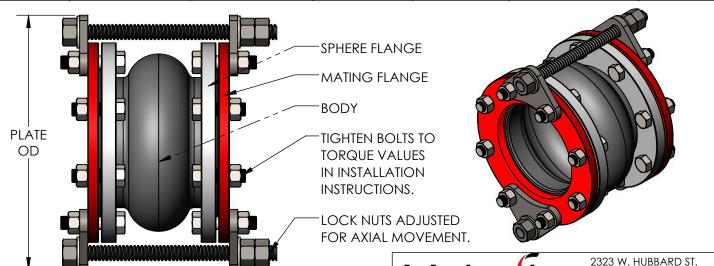
NEOPRENE EXPANSION JOINT, TAPPED BOLT HOLES

DRAWN BY: DI	KISH	DATE:	1/19/2017	
APPROVED: JC		DATE:	1/23/2017	
scale: N/A	DRAWING NUMBER: MSONN-1			



CONSULT FACTORY FOR NUMBER OF CONTROL UNITS REQUIRED

OO1100E1171	OTORT TORTIONEL	(O	TOTILAGINED			
PIPE SIZE	ROD TYPE	ROD THICKNESS	ROD LENGTH	PLATE TYPE	PLATE THICKNESS	PLATE OD
1"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	8-3/8"
1-1/4"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	8-3/4"
1-1/2"	GUSRD058X120	5/8"	12"	GUSPLT01	3/8"	9-1/8"
2"	GUSRD058X120	5/8"	12"	GUSPLT0204	3/8"	10-1/8"
2-1/2"	GUSRD058X120	5/8"	12"	GUSPLT2503	3/8"	11-1/8"
3"	GUSRD058X120	5/8"	12"	GUSPLT2503	3/8"	11-5/8"
4''	GUSRD058X120	5/8"	12"	GUSPLT0204	3/8"	13-1/8"
5"	GUSRD058X120	5/8"	12"	GUSPLT0506	1/2"	14-1/8"
6"	GUSRD058X140	5/8"	14"	GUSPLT0506	1/2"	15-1/8"
8''	GUSRD100X170	1"	1 <i>7</i> ''	GUSPLT0800	1/2"	19-1/8"
10"	GUSRD100X190	1"	19"	GUSPLT1012	3/4"	21-5/8"
12"	GUSRD100X190	1"	19"	GUSPLT1012	3/4"	24-5/8"
14"	GUSRD100X210	1"	21"	GUSPLT1400	3/4"	26-5/8"
16"	GUSRD125X215	1-1/4"	21-1/2"	GUSPLT1600	3/4"	30-1/8"
18"	GUSRD125X215	1-1/4"	21-1/2"	GUSPLT1800	3/4"	31-5/8"
20"	GUSRD125X215	1-1/4"	21-1/2"	GUSPLT2000	3/4"	34-1/8"
24"	GUSRD125X215	1-1/4"	21-1/2"	GUSPLT2400	1"	38-5/8"



CUSTOMER:		
_		

PROJECT:_____

ENGINEER:_____



2323 W. HUBBARD ST. CHICAGO, IL 60612 TEL: 312-738-3800 FAX: 312-738-0415 WWW.METRAFLEX.COM

CONTROL UNITS FOR MSO

DRAWN BY: DKISH	DATE: 1/5/2017
APPROVED: JC	DATE: 1/6/2017

CALE: DRAWING NUMBER: CONTROLUNIT-MSO