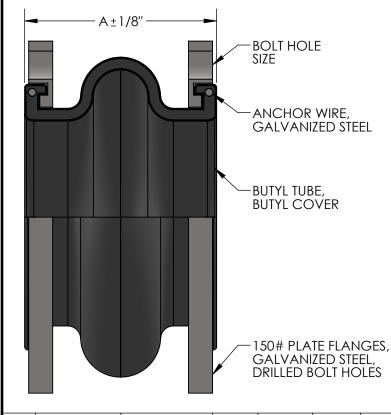
# MODEL MSODBB, STYLE "O" METRASPHERE BUTYL EXPANSION JOINT, DRILLED BOLT HOLES



### MAXIMUM OPERATING CONDITIONS

TEMPERATURE	PRESSURE (PSI)			
TEMFERATURE	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:

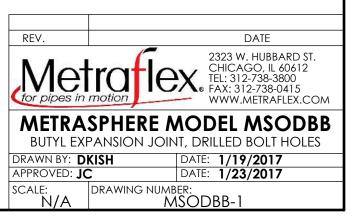
YES NO

	PART NUMBER	PIPE SIZE		A	AXIAL	FORCE	AXIAL	FORCE		FORCE	ANGULAR	WEIGHT	BOLT
		INCH	MM		COMP.	(LBS)	EXT.	(LBS)	OFFSET	(LBS)		(LBS)	HOLE SIZE
	MSODBB0100	1"	25	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	5	5/8"
	MSODBB0125	1-1/4"	32	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	6	5/8"
	MSODBB0150	1-1/2"	38	3-3/4"	1/4"	N/A	3/32"	N/A	1/4"	N/A	15°	7	5/8"
	MSODBB0200	2"	50	4-1/8"	3/8"	55	1/4"	73	3/8"	55	15°	8	3/4"
	MSODBB0250	2-1/2"	65	4-1/2"	1/2"	102	1/4"	68	3/8"	97	15°	13	3/4"
	MSODBB0300	3"	80	5-1/8"	1/2"	136	1/4"	115	3/8"	108	15°	14	3/4"
	MSODBB0400	4''	100	5-3/8"	3/4"	145	3/8"	242	1/2"	275	15°	18	3/4"
	MSODBB0500	5''	125	6-3/4"	3/4"	172	3/8"	196	1/2"	308	15°	23	7/8"
	MSODBB0600	6''	150	7-1/8"	3/4"	293	3/8"	563	1/2"	484	15°	28	7/8"
	MSODBB0800	8"	200	8-1/8"	1"	372	1/2"	587	7/8"	688	15°	40	7/8"
	MSODBB1000	10"	250	9-3/8"	1"	398	1/2"	455	7/8"	781	15°	68	1"
	MSODBB1200	12"	300	10-1/4"	1"	390	1/2"	356	7/8"	842	15°	94	1"
	MSODBB1400	14"	350	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	105	1-1/8"
	MSODBB1600	16"	400	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	120	1-1/8"
	MSODBB1800	18"	450	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	125	1-1/4"
	MSODBB2000	20''	500	10-1/2"	1"	N/A	5/8"	N/A	7/8"	N/A	15°	145	1-1/4"
	MSODBB2400	24"	600	10-1/2"	1"	N/A	5/8''	N/A	7/8"	N/A	15°	265	1-3/8"

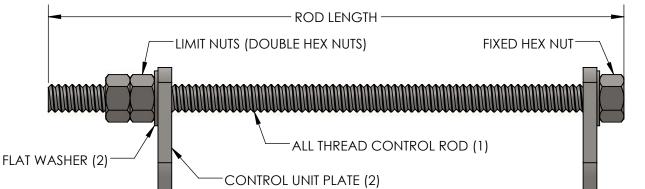
#### NSF 372 - LEAD FREE

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:	



# CONTROL UNIT SELECTION CHART / DIMENSIONS FOR MODEL MSO ONLY



## CONSULT FACTORY FOR NUMBER OF CONTROL UNITS REQUIRED

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"	17"	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"

