



Materials of Construction	
Bellows	PTFE T-62
Flanges	Ductile iron
Reinforcing Rings	Stainless Steel
Limit Bolts	Carbon Steel
Nuts	Carbon Steel
Grommets	Neoprene
Washer	Carbon Steel

* Limit bolts are factory set to prevent extension. If extension is required, the stop nut must be adjusted.

Nominal Pipe Size	Neutral Length	Movement Capabilities			Spring Rate Capability				Expansion Joint Flange Drilling								Pressure at Temperature (PSIG) @ °F								Vacuum Rating Hg @ Temp.	Weight / LBS	
		± Axial Movement	Lateral Deflection	Angular Deflection	Compression -Spring Rate LB/IN	Extension -Spring Rate LB/IN	Lateral -Spring Rate LB/IN	Thrust Factor	# Holes	Threaded Hole Size	Bolt Circle Flange "A"	PTFE Flare O.D. "B"	Flange Thickness	Nominal Flange O.D.	Limit Bolt Diameter	Bolt Circle Limit Rod "C"	Limit Bolt "Ear" O.D.	70°	100°	150°	200°	250°	300°	350°			400°
																		185	170	148	130	115	100	84			68
1"	1.375"	.25"	.125"	7°	104	80	104	2.76	4	1/2-13	3.125	2	.313	4.25	.25	5.125	6	185	170	148	130	115	100	84	68	29.9" @ 425° F	2
1.50"	1.375"	.25"	.125"	7°	320	180	224	4.6	4	1/2-13	3.875	2.875	.344	5	.25	5.875	6.75	185	170	148	130	115	100	84	68	29.9" @ 425° F	3
2"	1.563"	.25"	.125"	7°	512	300	240	7.07	4	5/8-11	4.75	3.625	.438	6	.375	6.875	8.125	185	170	148	130	115	100	84	68	29.9" @ 425° F	7
2.50"	2.25"	.313"	.125"	7°	457	278	328	9.62	4	5/8-11	5.5	4.125	.5	7	.375	8.125	9.375	185	170	148	130	115	100	84	68	29.9" @ 425° F	10
3"	2.25"	.375"	.188"	7°	648	320	319	15.9	4	5/8-11	6	5	.5	7.5	.375	8.75	10	185	170	148	130	115	100	84	68	29.9" @ 425° F	10
4"	2.625"	.5"	.25"	7°	480	280	400	23.75	8	5/8-11	7.5	6.188	.625	9	.375	9.875	11.125	185	170	148	130	115	100	84	68	29.9" @ 400° F	18
5"	3.25"	.5"	.25"	7°	440	440	320	33.17	8	3/4-10	8.5	7.313	.75	10	.5	11.5	13	185	170	148	130	115	100	84	68	29.9" @ 400° F	24
6"	2.75"	.5"	.25"	7°	440	386	440	50.24	8	3/4-10	9.5	8.5	.75	11	.5	12.5	14	185	170	148	130	115	100	84	68	29.9" @ 400° F	29
8"	4"	.5"	.25"	7°	450	390	480	83.49	8	3/4-10	11.75	10.625	.938	13.5	.5	14.75	16.25	164	150	129	112	100	87	73	60	29.9" @ 250° F	47
10"	5.25"	.5"	.25"	7°	760	600	580	108.38	12	7/8-9	14.25	12.75	1	16	.5	17.5	19	164	150	129	112	100	87	73	60	29.9" @ 250° F	64
12"	6"	.5"	.25"	7°	1300	420	700	176.63	12	7/8-9	17	15	1	19	.625	20.5	22	70	59	48	40	35	30	26	22	29.9" @ 75° F	115

- NOTES 1. Movements are non-concurrent and based from Neutral Length with Limit Bolts Installed.
 2. Spring Rate Capability is based on 1" of movement at zero pressure conditions.
 3. Vacuum Rating is based from fully extended position.

WARNING: Expansion Joints may operate in pipelines or equipment carrying fluids and/or gases at elevated temperature and pressures. Normal precautions should be taken to make sure these parts are installed correctly and inspected regularly. Precautions should be taken to protect personnel in the event of leakage or splash.

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.

REV.	DRAWN BY: CL	Date: 5/18/2020
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Style:	(442T SERIES) 2-CONV PTFE JOINT	
SCALE: NONE	DRAWING NUMBER:	

CUSTOMER: _____
 PROJECT: _____