



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	Weight / LBS		
		± Axial Movement	Lateral Deflection	Angular Deflection	Compression -Spring Rate	Extension -Spring Rate	Lateral -Spring Rate	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°	Hg @ Temp.
																		LB/IN	LB/IN	LB/IN	LB/IN	LB/IN	LB/IN	LB/IN			LB/IN	
1"	1.75"	.50"	.25"	14°	190	82	96	2.81	4	1/2-13	3.125	2	.313	4.25	.25	5.125	6	138	126	107	90	115	64	53	45	29.9" @ 400° F	2	
1.50"	2"	.50"	.25"	14°	84	66	108	5.09	4	1/2-13	3.875	2.875	.344	5	.25	5.875	6.75	138	126	107	90	115	64	53	45	29.9" @ 400° F	4	
2"	2.75"	.75"	.375"	14°	69	76	109	9.11	4	5/8-11	4.75	3.625	.438	6	.375	6.875	8.125	138	126	107	90	115	64	53	45	29.9" @ 400° F	8	
2.50"	3.188"	.75"	.375"	14°	91	97	160	11.41	4	5/8-11	5.5	4.125	.5	7	.375	8.125	9.375	138	126	107	90	115	64	53	45	29.9" @ 400° F	11	
3"	3.625"	1"	.5"	14°	124	125	194	16.91	4	5/8-11	6	5	.5	7.5	.375	8.75	10	138	126	107	90	115	64	53	45	29.9" @ 400° F	13	
4"	3.625"	1"	.5"	14°	220	155	264	25.4	8	5/8-11	7.5	6.188	.625	9	.375	9.875	11.125	138	126	107	90	115	64	53	45	29.9" @ 400° F	19	
5"	4"	1"	.5"	14°	320	210	324	34.45	8	3/4-10	8.5	7.313	.75	10	.5	11.5	13	138	126	107	90	115	64	53	45	29.9" @ 300° F	25	
6"	4"	1.125"	.563"	14°	289	187	266	50.24	8	3/4-10	9.5	8.5	.75	11	.5	12.5	14	138	126	107	90	115	64	53	45	29.9" @ 300° F	30	
8"	6"	1.125"	.563"	14°	178	218	423	83.49	8	3/4-10	11.75	10.625	.938	13.5	.5	14.75	16.25	120	110	94	80	100	57	47	38	29.9" @ 125° F	48	
10"	7"	1.188"	.5"	14°	420	531	857	128.55	12	7/8-9	14.25	12.75	1	16	.5	17.5	19	82	70	64	52	46	39	34	30	29.9" @ 212° F	60	
12"	7.875"	1.188"	.625"	14°	743	542	857	144.72	12	7/8-9	17	15	1	19	.625	20.5	22	82	70	64	52	46	40	34	30	29.9" @ 212° F	77	

- 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:		(443TT SERIES) 3-CONV PTFE JOINT
SCALE: NONE	DRAWING NUMBER:	

CUSTOMER: _____

PROJECT: _____