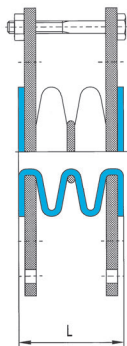
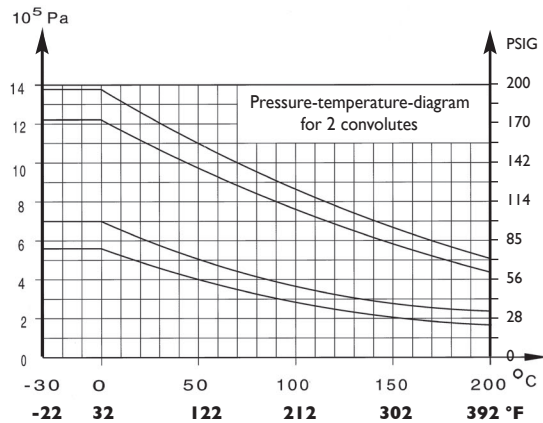


PTFE-Expansion Joints, 2 Convolute (Class 150)



NPS 1/2" - 4"
NPS 5" - 6"

NPS 8" - 10"
NPS 12" - 20"



NPS	L		Extension Compr. +/-		Misalignment Max.		Angular Deflection Max. Deg.	Inch HG	Vacuum-Resistance		Inch HG	Max	
	mm	in.	mm	in.	mm	in.			°C	°F		°C	°F
1/2"	28	1.10	4	0.16	2	0.08	7	FV	200	392			
3/4"	28	1.10	4	0.16	2	0.08	7	FV	200	392			
1"	35	1.38	6	0.24	3	0.12	7	FV	200	392			
1 1/4"	35	1.38	6	0.24	3	0.12	7	FV	200	392			
1 1/2"	35	1.38	6	0.24	3	0.12	7	FV	200	392			
2"	40	1.57	6	0.24	3	0.12	7	FV	200	392			
2 1/2"	57	2.24	9	0.35	5	0.20	7	FV	200	392			
3"	57	2.24	9	0.35	5	0.20	7	FV	200	392			
4"	67	2.64	13	0.51	6	0.24	7	FV	200	392			
5"	83	3.27	13	0.51	6	0.24	7	FV	150	302			
6"	75	2.95	13	0.51	6	0.24	7	FV	150	302			
8"	102	4.02	13	0.51	6	0.24	7	FV	50	122	23	150	302
10"	140	5.51	15	0.59	6	0.24	7	27	45	113	19	100	212
12"	150	5.91	20	0.79	10	0.39	7	25	45	113	10	100	212
14"	160	6.30	20	0.79	10	0.39	7	25	45	113	10	100	212
16"	178	7.01	25	0.98	10	0.39	7	25	45	113	10	100	212
18"	185	7.28	25	0.98	10	0.39	7	20	45	113	9	100	212
20"	230	9.06	25	0.98	10	0.39	7	6	100	212	4	100	212

The above shown chart is only valid at neutral length and with limit bolts in place.

Above mentioned types of travel (extension compression, misalignment or angular deflection) are alternatives.

The percentage values must not exceed 100% when added together.

The figures stated are average values and apply to room temperature.

Important regarding the holes of the expansion joint flanges:

Bolt circle: with threaded holes from 1/2" to 24"

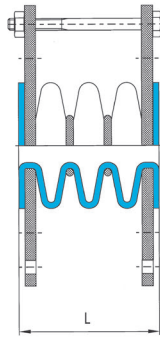
Other design: upon request

There is an improved series of expansion-joints available which comply with new german PAS standard.

PTFE-Expansion Joints, 2 Convolute (Class 300) upon request.

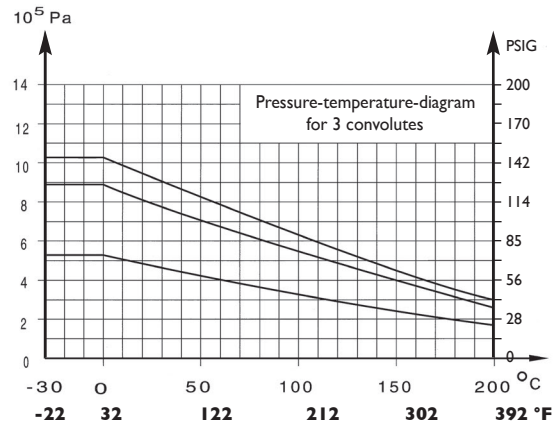
BAUM recommends the use of spray shields on all installations particularly when hot, hazardous or corrosive materials are present. Spray shields prevent radial spray of fluids or hot gases in the event of flange connection leakage or failure of the expansion joint.

PTFE-Expansion Joints, 3 Convolute (Class I50)



NPS ½"- 4"
NPS 5"- 6"

NPS 8"-20"



NPS	L		Extension Compr. +/-		Misalignment Max.		Angular Deflection Max. Deg.	Inch HG	Vacuum-Resistance				
	mm	in.	mm	in.	mm	in.			Max °C	Max °F	Inch HG	Max °C	Max °F
½"	37	1.46	6	0.24	4	0.16	14	FV	200	392			
¾"	37	1.46	6	0.24	4	0.16	14	FV	200	392			
1"	46	1.81	13	0.51	6	0.24	14	FV	200	392			
1¼"	46	1.81	13	0.51	6	0.24	14	FV	200	392			
1½"	46	1.81	13	0.51	6	0.24	14	FV	200	392			
2"	56	2.20	15	0.51	9	0.35	14	FV	200	392			
2½"	77	3.03	19	0.59	9	0.35	14	FV	200	392			
3"	77	3.03	25	0.75	13	0.51	14	FV	200	392			
4"	91	3.58	25	0.98	13	0.51	14	FV	200	392			
5"	111	4.37	25	0.98	14	0.55	14	FV	150	302			
6"	101	3.98	28	0.98	14	0.55	14	FV	150	302			
8"	137	5.39	28	1.10	14	0.55	14	FV	50	122	23	150	302
10"	200	7.87	30	1.18	14	0.55	14	27	45	113	19	100	212
12"	196	7.72	30	1.18	15	0.59	14	25	45	113	10	100	212
14"	215	8.46	32	1.26	18	0.71	14	25	45	113	10	100	212
16"	233	9.17	35	1.38	20	0.79	14	25	45	113	10	100	212
18"	280	11.02	30	1.18	20	0.79	14	19	45	113	9	100	212
20"	327	12.87	30	1.18	25	0.98	14	NR			6	100	212

The above shown chart is only valid at neutral length and with limit bolts in place.

Above mentioned types of travel (extension compression, misalignment or angular deflection) are alternatives. The percentage values must not exceed 100% when added together.

The figures stated are average values and apply to room temperature.

Important regarding the holes of the expansion joint flanges:

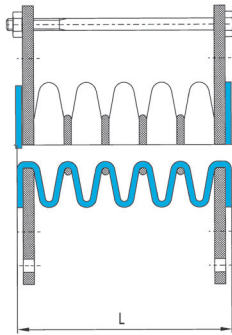
Bolt circle: with threaded holes from ½" to 24"

Other design: upon request

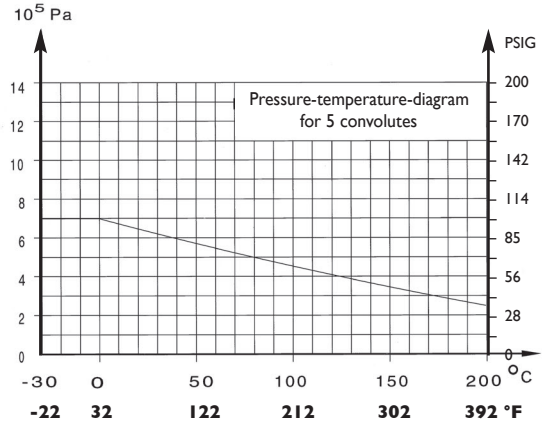
PTFE-Expansion Joints, 3 Convolute (Class 300) upon request.

BAUM recommends the use of spray shields on all installations particularly when hot, hazardous or corrosive materials are present. Spray shields prevent radial spray of fluids or hot gases in the event of flange connection leakage or failure of the expansion joint.

PTFE-Expansion Joints, 5 Convolute (Class 150)



NPS ½" - 20"



NPS	L		Extension Compr. +/-		Misalignment Max.		Angular Deflection Max. Deg.	Vacuum-Resistance
	mm	in.	mm	in.	mm	in.		
½"	55	2.17	8	0.31	5	0.20	20	<i>not recommended</i>
¾"	55	2.17	8	0.31	5	0.20	20	
1"	68	2.68	8	0.31	12	0.47	20	
1¼"	68	2.68	8	0.31	12	0.47	20	
1½"	80	3.15	13	0.51	12	0.47	20	
2"	88	3.46	19	0.75	12	0.47	20	
2½"	113	4.45	25	0.98	13	0.51	20	
3"	113	4.45	25	0.98	16	0.63	20	
4"	139	5.47	25	0.98	16	0.63	20	
5"	167	6.57	32	1.26	16	0.63	20	
6"	153	6.02	32	1.26	16	0.63	20	
8"	207	8.15	32	1.26	16	0.63	20	
10"	300	11.81	32	1.26	16	0.63	20	
12"	288	11.34	35	1.38	18	0.71	20	
14"	325	12.80	35	1.38	18	0.71	20	
16"	343	13.50	40	1.57	25	0.98	20	
18"	470	18.50	40	1.57	25	0.98	20	
20"	520	20.47	40	1.57	25	0.98	20	

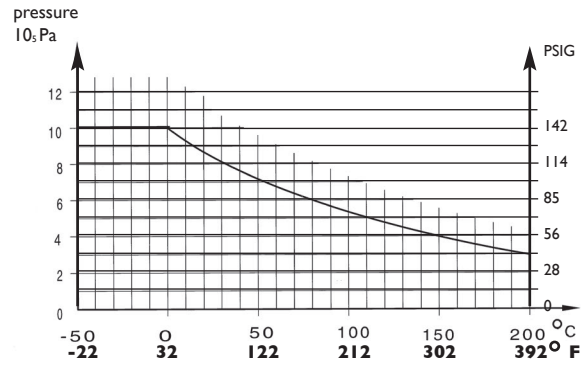
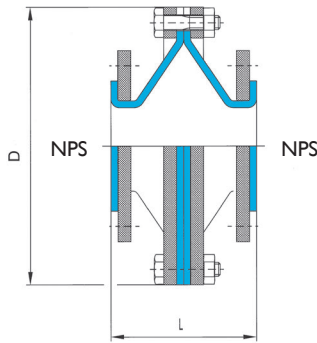
The above movements are only valid at neutral length and with limit bolts in place.
 Above mentioned types of travel (extension compression, misalignment or angular deflection) are alternatives.
 The percentage values must not exceed 100% when added together.
 The figures stated are average values and apply to room temperature.

Important regarding the holes of the expansion joint flanges:
 Bolt circle: with threaded holes from ½" to 24"
 Other design: upon request
 PTFE-Expansion Joints, 5 Convolute (Class 300) upon request.

Special numbers of convolutions are also available, please consult factory for information.

BAUM recommends the use of spray shields on all installations particularly when hot, hazardous or corrosive materials are present. Spray shields prevent radial spray of fluids or hot gases in the event of flange connection leakage or failure of the expansion joint.

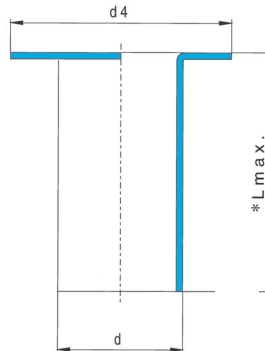
PTFE-Vacuum Expansion Joint (Class 150)



NPS	L		Extension Compr. ±		D	
	mm	in.	mm	in.	mm	in.
4"	95	3.74	10	0.39	285	11.22
6"	100	3.94	15	0.59	350	13.78
8"	105	4.13	15	0.59	410	16.14
10"	110	4.33	18	0.71	465	18.31
12"	115	4.53	18	0.71	520	20.47
14"	120	4.72	18	0.71	590	23.23
16"	135	5.31	20	0.79	670	26.23
18"	150	5.91	20	0.79	695	27.36
20"	150	5.91	20	0.79	770	30.31

PTFE-Vacuum Expansion Joints (Class 300) upon request.

PTFE-Nozzle Liner



NPS	d Max	d4 Max	Thickness PTFE Max
1"	.947	2.00	.130
1½"	1.49	2.875	.150
2"	1.919	3.625	.160
3"	2.89	5.00	.160
4"	3.816	6.188	.160
6"	5.751	8.50	.275
8"	7.615	10.625	.310
10"	9.554	12.76	.420
12"	11.366	15.00	.470

* L max is 240" through 8" and 120" for 10" and 12".