KME Industrial Distributors (PTY) Ltd — Valve Country

Bellows

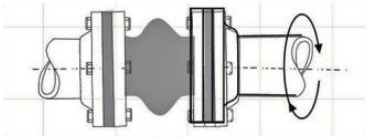
Size (mm)	Standard Length - Style 10			Short Length - Style 15			Imperial Length - Style 10R		
	Length (mm)	Max Pressure	Vacuumed (mm Hg)	Length (mm)	Max Pressure	Vacuumed (mm Hg)	Length (mm)	Max Pressure	Vacuumed (mm Hg)
25	65	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
32	68	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
40	68	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
50	105	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
65	115	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
80	130	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
100	135	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
125	170	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
150	180	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
200	205	1600 kPa*	750	130	1600 kPa*	700	152	1600 kPa*	700
250	240	1600 kPa*	500	130	1600 kPa*	700	203	1600 kPa*	650
300	260	1600 kPa*	500	130	1600 kPa*	700	203	1600 kPa*	650
350	265	1600 kPa*	500	203	1600 kPa*	700			
400	265	1600 kPa*	500	203	1600 kPa*	700			
450	265	1600 kPa*	500	203	1600 kPa*	700			
500	265	1600 kPa*	500	203	1600 kPa*	700			
600	265	1600 kPa*	500	203	1600 kPa*	700			

* If the Operating Temperature exceeds 75°C, De-Rate above Maximum Pressure as Follows:

De-Rate Pressure (kPa)				
Size	80°C	90°C	100°C	110°C
25-300	1300	1100	1000	900
350-600	1200	1050	950	850

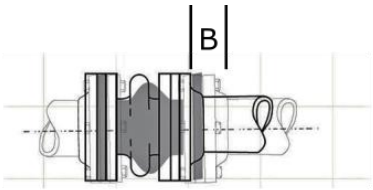
* Control Rods: If one or both sides of a Rubber Bellow are Unanchored, Restraining Rods Should be used when the Pressure Exceeds:

Size (mm)	Pressure kPa
25 to 125	1500
150 to 250	1400
300 to 350	1250
400 to 600	1000



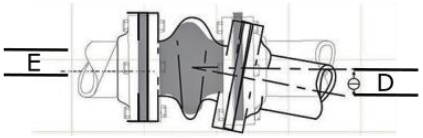
Torsional

rotation about the centerline twist



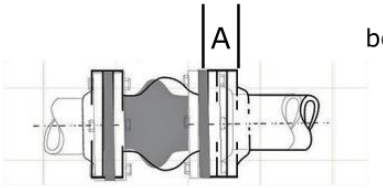
Axial

compression



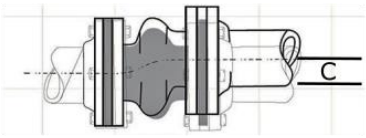
Angular

bending of the centerline



Axial

extension



Lateral

shear or perpendicular to centerline

A. Standard Length - Style 10

Size (mm)	Axial Movement (mm)		Offset Movement (mm) (C)	Angular Deflection (D+E)
	Compression (A)	Extension (B)		
25	8	4	8	15°
32	8	4	8	15°
40	8	4	8	15°
50	8	5	8	15°
65	12	6	10	15°
80	12	6	10	15°
100	18	10	12	15°
125	18	10	12	15°
150	18	10	12	15°
200	18	14	22	15°
250	25	14	22	15°
300	25	14	22	15°
350	25	16	22	15°
400	25	16	22	15°
450	25	16	22	15°
500	25	16	22	15°
600	25	16	22	15°

B. Short Length - Style 15

Size (mm)	Axial Movement (mm)		Offset Movement (mm) (C)	Angular Deflection (D+E)
	Compression (A)	Extension (B)		
25	14	10	14	15°
32	14	10	14	15°
40	14	10	14	15°
50	14	10	14	15°
65	14	10	14	15°
80	14	10	14	15°
100	14	10	14	15°
125	14	10	14	15°
150	14	10	14	15°
200	14	10	14	15°
250	14	10	14	15°
300	14	10	14	15°
350	25	16	19	15°
400	25	16	19	15°
450	25	16	19	15°
500	25	16	19	15°
600	25	16	19	15°

C. Imperial Length - Style 10R

Size (mm)	Axial Movement (mm)		Offset Movement (mm) (C)	Angular Deflection (D+E)
	Compression (A)	Extension (B)		
25	14	10	10	15°
32	14	10	10	15°
40	14	10	10	15°
50	14	10	10	15°
65	14	10	10	15°
80	20	13	14	15°
100	20	13	14	15°
125	20	13	14	15°
150	20	13	14	15°
200	20	13	14	10°
250	26	16	20	10°
300	26	16	20	10°