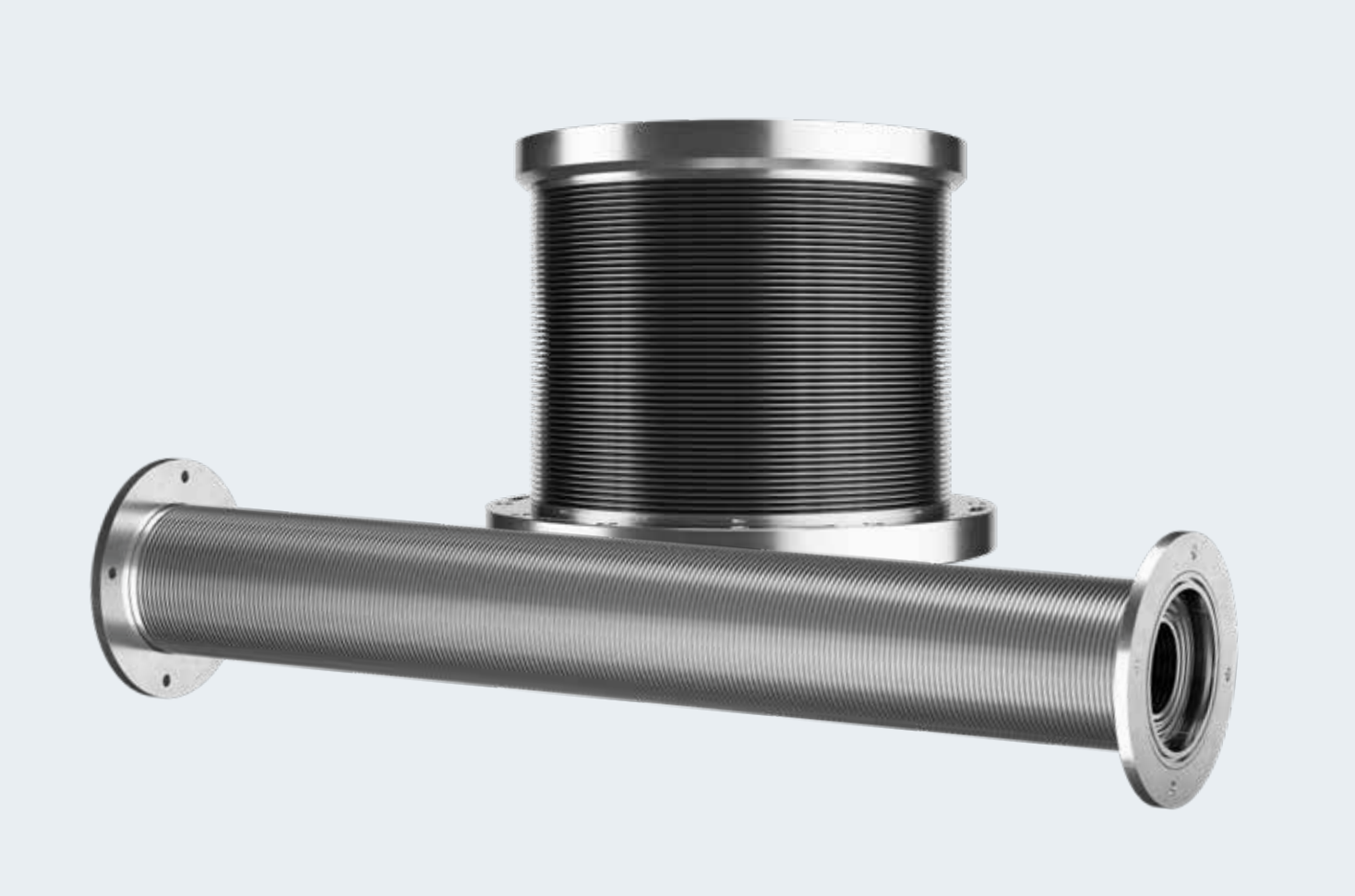
WITZENMANN
managing flexibility

Edge welded bellows for plant engineering and construction



Special solutions for decoupling, lead-through, volume compensation, manipulators and as a sealing element.

The number of vacuum applications is virtually unlimited. There is hardly an industrial sector in which vacuum applications do not play an important role in solving a wide range of production and manufacturing tasks. Edge welded bellows have a very high flexibility, a low stiffness and enable the compensation of large axial movements with little installation space. Decoupling, lead-throughs, sealing, volume compensation with low differential pressures, usually also with vacuum against atmosphere, are requirements for which edge welded bellows are used as highly flexible elements. Operational safety, cleanliness and tightness or even constant spring tensions are properties that characterize edge welded bellows and are implemented in customized designs with our broad portfolio of dimensions and materials.

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Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
6	13	0.08
8	16	0.05
8.6	16.2	0.05
11	22	0.10
11	22	0.15
11	27	0.10
11	27	0.15
11	31	0.10
11	31	0.15
12	20	0.10
12	20	0.15
12	20	0.15
12	22	0.10
16	30	0.10
16	30	0.15
17	31	0.10
17	31	0.15
17	37	0.10
17	37	0.15
21	42.5	0.10
21	42.5	0.15
21	42.5	0.20
21	49	0.10
21	49	0.15
21	49	0.20
25.5	50	0.10
25.5	50	0.15
26	57	0.15
26	57	0.20
29	49	0.10
29	49	0.15
29	49	0.20
29	61	0.10
29	61	0.15
29	61	0.20
33	67	0.15
33	67	0.20
34.5	47.5	0.10
34.5	47.5	0.15
36	53	0.10
36	53	0.15
36	72	0.15
36	72	0.20
38	66	0.15
38	66	0.20
39	59	0.10
39	59	0.15

Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
39.5	52.5	0.10
39.5	52.5	0.15
42	72	0.15
42	81	0.15
42	81	0.20
44	72	0.15
44	84	0.15
44	84	0.20
44.5	57.5	0.10
44.5	57.5	0.15
47	88	0.10
47	88	0.15
47	88	0.20
51	76	0.15
52	80	0.10
52	80	0.15
52	80	0.20
57	102	0.20
57	102	0.25
62	88	0.15
62	88	0.20
62	109	0.20
62	109	0.25
65	90	0.15
67	102	0.15
67	102	0.20
67	102	0.25
67	112	0.20
67	116	0.20
67	116	0.25
72	110	0.20
72	123	0.20
72	123	0.25
77	93	0.15
77	93	0.20
77	107	0.10
77	120	0.20
77	130	0.20
77	130	0.25
82	108	0.15
82	125	0.15
82	125	0.20
82	136	0.25
84	100	0.15
84	100	0.20
87	103	0.15
87	103	0.20
87	130	0.20
87	143	0.25
87	143	0.30

Inner diameter (di)	Outer diameter (Da)	Wall thickness (s)
[mm]	[mm]	[mm]
92	134	0.25
92	134	0.30
92	149	0.25
92	149	0.30
97	134	0.20
97	134	0.25
97	134	0.30
97	145	0.20
97	156	0.25
97	156	0.30
102	150	0.20
102	163	0.25
102	163	0.30
106	122	0.15
106	122	0.20
112	128	0.15
112	128	0.20
112	160	0.20
112	173	0.25
112	173	0.30
121	151	0.20
121	173	0.30
127	173	0.20
127	185	0.25
127	185	0.30
135	180	0.20
142	168	0.15
142	168	0.20
152	185	0.20
152	226	0.30
156	186	0.20
158	178	0.20
158	178	0.25
177	207	0.15
186	212	0.15
202	237	0.20
230	265	0.20
250	275	0.25
250	275	0.30
250	285	0.20
270	310	0.20
270	310	0.25

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