



Series SJ-205

Virtually all pulsating equipment, such as pumps and compressors, generate vibrations in both the flow and system piping. Vibration can increase loads on equipment, reduce efficiency, and increase maintenance costs. Continuous vibration leads to settling in the system which causes misalignment. Noise from vibration can also make the work environment intolerable.

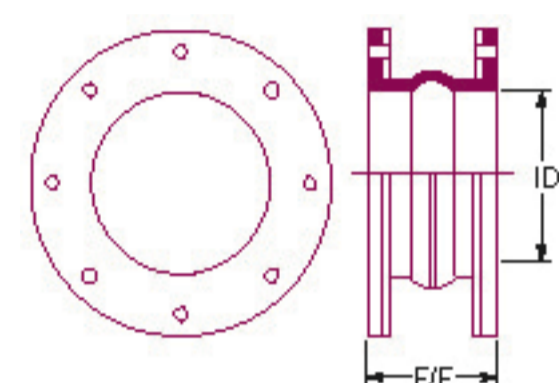
Manufactured with a streamlined, self-cleaning arch, EVR's SJ-205 is designed to absorb vibration and eliminate buildup of suspended materials in the system flow. The SJ-205 expansion joint achieves considerable flexibility – rivalling standard multi-arch designs – with a single arch. The result is a light-weight joint with a very short face-to-face dimension.

The construction of the SJ-205 begins with a leak-proof inner sleeve, reinforced with multiple plies of polyester cord. The full faced rubber flange eliminates the need for gaskets, allowing for a fast, simple and completely leakproof installation. Available in three different pressure ratings, EVR's SJ-205 expansion joint can be fabricated from Neoprene, Nitrile, Hypalon, Viton or other suitable elastomers, allowing it to adapt easily to the requirements of any application.

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Specifications



Customize Your Expansion Joint

Number of Arches : Arch Style : Unit :

Size (in)	F/F per Arch (in) 1	Pressure (psi) SR	Pressure (psi) LP	Pressure (psi) HP	Joint Weight (lb)	Rings Weight (lb)	Axial Compression (in)	Size (in)	Axial Extension (in)	Lateral Deflection (in)	Angular Deflection (°)	Compression (lb/in)	Extension (lb/in)	Lateral (lb/in)	Angular (N-m/°)
2	6	150	15	200	3.5	5	0.5	2	0.25	0.25	14.5	0.14	552	1400	0.38
2.5	6	150	15	200	5	6	1.5	2.5	0.75	0.75	11.5	155	229	508	0.71
3	6	150	15	200	6	7	1.5	3	0.75	0.75	10	185	276	549	1.09
4	6	150	15	200	7.5	8	1.5	4	0.75	0.75	7.5	247	368	635	2.54
5	6	150	15	200	8	9	1.5	5	0.75	0.75	6	309	459	728	4.99
6	6	150	15	200	9.5	10	1.5	6	0.75	0.75	5	371	551	823	8.7
8	6	150	15	200	12	15	1.5	8	0.75	0.75	5.5	647	919	1004	17
10	8	150	15	200	20	18	1.5	10	0.75	0.75	4.5	809	1148	1079	33
12	8	150	15	200	22.5	25	1.5	12	0.75	0.75	3.8	971	1377	1264	57
14	8	65	15	125	23	27	1.5	14	0.75	0.75	3.3	849	1205	1489	67
16	8	65	15	125	25	33	1.5	16	0.75	0.75	2.8	971	1377	1715	103
18	8	65	15	125	37	33	1.5	18	0.75	0.75	2.5	1092	1551	1893	145
20	8	65	15	125	40	38	1.5	20	0.75	0.75	2.5	1435	2007	2117	207
22	10	65	15	125	45	44	1.5	22	0.75	0.75	2.3	1578	2208	2197	280
24	10	65	15	125	49.5	48	2.5	24	1.25	1.25	2	1033	1446	1365	373
26	10	65	15	90	58	57	2.5	26	1.25	1.25	2.3	1148	1592	1463	390
28	10	55	15	90	65	62	2.5	28	1.25	1.25	2	1236	1714	1562	520
30	10	55	15	90	70	66	2.5	30	1.25	1.25	2	1324	1838	1660	595
32	10	55	15	90	75	75	2.5	32	1.25	1.25	1.8	1412	1960	1950	756
34	10	55	15	90	80	78	2.5	34	1.25	1.25	1.8	1501	2082	2241	878
36	10	55	15	90	85	81	2.5	36	1.25	1.25	1.5	1589	2205	2531	1148
38	10	55	15	90	90	95	2.5	38	1.25	1.25	1.5	1678	2327	2601	1283
40	10	55	15	90	95	106	2.5	40	1.25	1.25	1.5	1766	2450	2670	1417
42	12	55	15	80	120	116	2.5	42	1.25	1.25	1.5	1893	2602	2738	1582
44	12	55	15	80	130	127	2.5	44	1.25	1.25	1.5	1983	2726	2857	1728
46	12	55	15	80	140	132	2.5	46	1.25	1.25	1.3	2072	2850	2974	2186
48	12	55	15	80	175	138	2.5	48	1.25	1.25	1.3	2163	2974	3093	2483



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