

MV-640

VIBRATION EXPANSION JOINT

Production Standards

Size Range	DN25 - DN300
Pressure Range	PN10 - PN16 - PN25 - PN40
Design	EN 14917 & EJMA
Connection	EN 1092-2 / ISO 7005-2 Rotating Flanged
Face to face	EN 14917
Marking	EN 19
Tests	EN 12266-1
Temperature	-10°C to +550 °C
Expansion Range	30 mm. (-20 +10)

640



Product Description

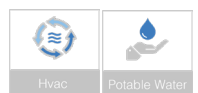
MV-640 Vibration Expansion Joint product protects the pipeline by absorbing high stress due to outer temperature differences. They remove vibration and variation, effectively that caused by expansion and contraction of the pipeline.

Application Areas

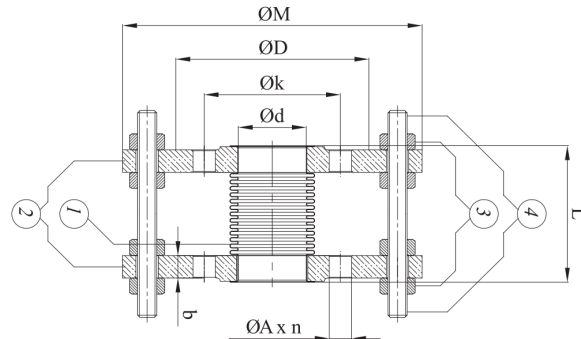
- Hot and Cold Water Systems
- Central heating
- Superheated water
- Steam
- Industrial Applications
- Pump and Compressors
- Marine & Exhaust systems
- HVAC lines

Product Features

- Made of multilayer bellows with compact structure.
- Efficient in high pressure and corrosive pipelines.
- Mostly used to eliminate vibration at the pump inlet and outlet.
- Limit rods absorb unwanted forces by actual movement limiting fluid pressure. Therefore, the fix support is no required.
- Despite rubber expansion joints, stainless steel bellows can resist atmospheric damage when used in outdoors.
- Designed for high temperature usage.
- Designed to reduce noise and release stress.



Technical Data



No	Part	Material
1	Bellows	AISI 304 / AISI 316 - 321 (optional)
2	Flange	St37-2 / AISI 304 - 316 (optional)
3	Nut	St37-2 / AISI 304 - AISI 316 (optional)
4	Rod	St37-2 / AISI 304 - AISI 316 (optional)

DN	L30	L60	D	d	k	b	n	A	M	Effective Area
25	110	-	115	42.4	85	16	4	14	177	17.87
32	110	-	140	42.4	100	18	4	18	202	17.87
40	120	-	150	48.3	110	18	4	18	212	23.25
50	120	180	165	60.3	125	20	4	18	227	37.02
65	120	180	185	76.1	145	20	4	18	281	57.49
80	120	180	200	88.9	160	20	8	18	296	78.47
100	120	185	220	114.3	180	22	8	18	316	126.98
125	125	190	250	139.7	210	22	8	18	346	185.91
150	130	200	285	168.3	240	24	8	22	384	266.34
200	150	230	340	219.1	295	26	12	22	447	441.34
250	165	245	405	273	355	29	12	26	515	678.87
300	165	245	460	323.9	410	32	12	26	570	950.88