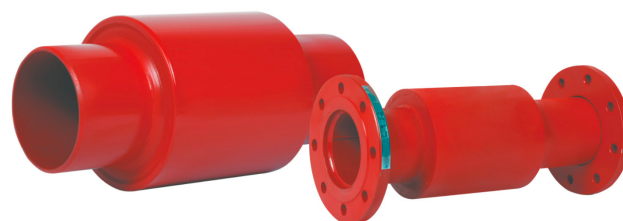


MV-650

EXTERNALLY PRESSURIZED 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, Fixed Flanged, Welding End
Face to face	EN 14917
Marking	EN 19
Tests	EN 12266-1
Temperature	-10°C to +550 °C
Expansion Range	30 mm. (-20 + 10) 45 mm. (-30+15) 60 mm. (-40+20) 90mm. (-60 +30) 120 mm. (-80mm +40)



650

Product Description

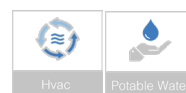
MV-650 Externally Pressurized Expansion Joint takes pressure from the outside of the bellows element rather than on the inside as in a conventional expansion joint. The stabilizing effect of the external pressure increases the bellows capacity to absorb high axial movements without squirm making the externally pressurized expansion joints the best solution for applications involving very high axial movements.

Application Areas

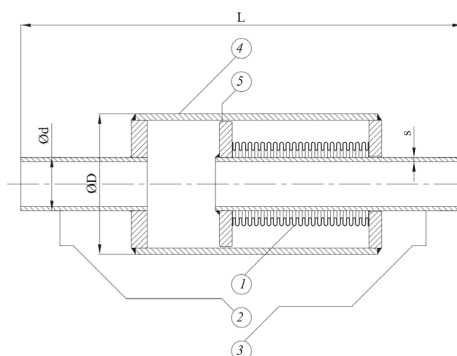
- Hot and Cold Water Systems
- Central heating
- Superheated water
- Steam
- Industrial Applications

Product Features

- Absorbs axial and lateral movements while retaining the pressure thrust.
- Mostly used in long pipelines in order to reduce number of fix points, to use less number of extension joints.
- Bellow does not affected by external forces due to isolation of bellow.
- Eliminates pressure instability
- Designed for high temperature usage especially boiling water.
- Rotating flange, Fixed flange or Welding Neck connection type are available
- Eliminates main anchors.
- Better flexibility for piping layout.



Technical Data



No	Part	Material
1	Bellows	AISI 304 / AISI 316 - 321 (optional)
2	Welded Neck	St37-2 / AISI 304 - 316 (optional)
3	Internal Pipe	St37-2 / AISI 304 - AISI 316 (optional)
4	External Pipe	St37-2 / AISI 304 - AISI 316 (optional)
5	Collar	St37-2 / AISI 304 - AISI 316 (optional)

DN	L30	L60	L90	L120	d	s	D	Effective Area
25	340	470	500	580	42.4	3.2	88.9	17.87
32	340	470	500	640	42.4	3.2	88.9	17.87
40	340	470	510	660	48.3	3.2	88.9	23.25
50	350	460	490	660	60.3	3.6	114.3	37.02
65	350	460	480	720	76.1	3.6	114.3	57.49
80	350	450	480	630	88.9	4	139.7	78.47
100	360	460	490	670	114.3	4.5	165.1	126.98
125	360	470	500	680	139.7	5	219.1	185.91
150	380	490	520	680	168.3	5	219.1	266.34
200	400	510	540	750	219.1	6.3	273	441.34
250	420	520	550	790	273	6.3	355.6	678.87
300	440	550	580	810	323.9	7.1	406.4	950.88