MV-670

ANGULAR 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	X: 100mm., YZ: 100-200-300-400mm.

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Product Description

MV-670 Angular Expansion Joints are designed to absorb very high amounts of movements in all X,Y,Z directions caused by earthquakes and sudden collapses. By this function pipeline damage can be prevented. Angular Expansion Joints are highly flexible and mobile joints which reduce stress on rigid pipelines. Combination of gimbal compensators and external pressure axial compensators composes the IV-670. This composition absorbs bigger lateral and axial movements. These bellows systems prevents the bending of the pipeline due to the pressure load.

Application Areas

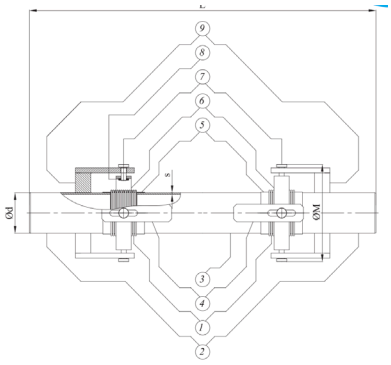
- Hot and Cold Water Systems
- Potable Water
- Fire Lines
- Superheated water

Product Features

- Reduces number of fixed points and roller bearings
- Can absorb lateral or angular movements in all axis
- Protects the pipeline from earthquakes and collapses
- High movement capacity for large temperature differences
- Designed for high temperature usage
- Better flexibility for piping layout
- Eliminates pressure instability
- Pressure balance by bellows prevent twists on the pipeline.

Hvac | Potable Water

Technical Data



No	Part	Material
1	Bellows	AISI 304 / AISI 316 - AISI 321 (optional)
2	Welded Neck	St37-2 / AISI 304 - AISI 316 (optional)
3	Intermediate Pipe	St37-2 / AISI 304 - AISI 316 (optional)
4	Plate	St37-2 / AISI 304 - AISI 316 (optional)
5	Band	AISI 304 / AISI 316 - AISI 321 (optional)

No	Part	Material
6	Gimbal	St37-2 / AISI 304 - AISI 316 (optional)
7	Pin	St37-2 / AISI 304 - AISI 316 (optional)
8	Washer	St37-2 / AISI 304 - AISI 316 (optional)
9	Short Plate	St37-2 / AISI 304 - AISI 316 (optional)

DN	x	y:±50	y:±100	y:±150	y:±200	d	s	M	Effective Area
25	100	710	910	1110	1310	42.4	3.2	147	17.87
32	100	710	910	1110	1310	42.4	3.2	147	17.87
40	100	710	910	1110	1310	48.3	3.2	160	23.25
50	100	790	990	1190	1410	60.3	3.6	180	37.02
65	100	785	995	1235	1485	76.1	3.6	200	57.49
80	100	815	1015	1255	1485	88.9	4	218	78.47
100	100	835	1035	1285	1535	114.3	4.5	266	126.98
125	100	965	1165	1465	1765	139.7	5	292	185.91
150	100	965	1165	1465	1765	168.3	5	347	266.34
200	100	1125	1325	1685	2035	219.1	6.3	412	441.34
250	100	1125	1325	1685	2085	273	6.3	464	678.87
300	100	1185	1385	1735	2135	323.9	7.1	515	950.88