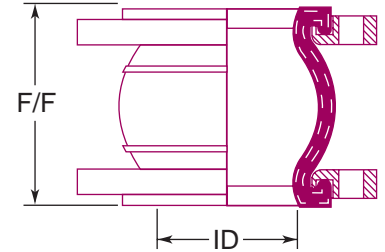


The MJ-80 single-arch expansion joint features a precision molded elastomer compound reinforced with multiple plies of nylon. The spherical shape of the arch provides a smooth, low turbulence flow which will handle process fluids with suspended solids.

Installation is easy due to the threaded Vanstone-style rings, making them easy to align. Control units are also available.

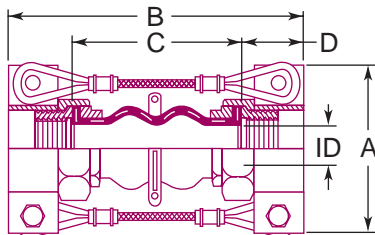


MJ-80 EXPANSION JOINT



ID	2	2-1/2	3	4	5	6	8	10	12	14	16	18
F/F	6	6	6	6	6	6	6	8	8	8	8	8
Compres.	15/16	1/2	1/2	11/16	11/16	1	1	1	1	1	1	1
Extens.	3/16	1/4	1/4	3/8	3/8	9/16	9/16	9/16	9/16	5/8	5/8	5/8
Lateral	5/16	3/8	1/2	1/2	1/2	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Angular	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°
Pressure	214	214	214	214	214	214	214	214	214	114	114	114
Weight	9	13	14	18	21	27	37	55	83	100	115	122

MJ-90 EXPANSION JOINT



ID	3/4	1	1-1/4	1-1/2	2	2-1/2
A	1-1/2	2	2-1/4	3	3-3/4	4-1/2
B	6-1/2	6-3/4	6-7/8	7-1/4	8-1/4	8-3/4
C	4-3/4	4-3/4	4-3/4	4-3/4	5-3/4	5-1/2
D	3/4	1	1-1/4	1-1/4	1-1/2	1-5/8
Weight	2	3	3	4	6	9
Elongat.	13/16	13/16	13/16	13/16	13/16	13/16
Compres.	3/4	3/4	3/4	3/4	3/4	3/4
Trans.	13/16	13/16	13/16	13/16	13/16	13/16
Angular	45°	45°	45°	45°	45°	45°

MJ-90 molded elastomer expansion joints are designed to handle vibration, misalignment and movement in smaller diameter piping systems. The union ends provide a simple means of disconnecting the piping to service equipment such as pumps. The maximum angular movement of this joint is 45°.

Size	Operating Temps for MJ-70/80/90 Series Joints						Max Vacuum*
	170°F 76°C	180°F 83°C	190°F 90°C	200°F 95°C	212°F 100°C	225°F 110°C	
2" to 12" 100mm to 300mm	214 psi 1475 KPi	210 1447	195 1344	180 1240	165 1137	150 1034	16 in. HG 406mm HG
14" to 20" 350mm to 500mm	180 psi 1240 KPa	165 1137	150 1034	135 930	120 827	105 723	

*Vacuum rating based on neutral installed length without external load.