



DOUBLE ARCH FLOATING FLANGE EXPANSION JOINT



FEATURES AND BENEFITS.

Description:-

- * Inlet and outlet of air handling units, chillers, cooling towers condensers.
- * Air Suction and Discharge of pumps.
- * Intervals in Chilled water piping.
- * Installation of Flexible Expansion Joint is recommended to compensate for axial, transverse and angular pipe movements transverse and angular pipe movements, protecting the system from stress due to thermal pipe expansion or contraction.
- * Due to the spherical shape of the bellow the flow of the fluid is smooth, resulting in negligible pressure drop across the joint.
- * Control units for flanges are available as optional attachments and are recommended to be used at installations where the rated movements of the joint are likely to be exceeded even if the piping system is an chordvon both sided.
- * The control units consist of neoprene grommets, gusset plate, counter flanges and control rod.
- * Designed to protect the joint from damage due to excessive pipeline movements.

TECHNICAL DATA :

- * Temperature Resistance : From -15 °C to +115 °C
- * Working Media : Water, Compressed Air, Oil, Weak Acids/ Alkalines
- * Vacuum : 700 mm Hg
- * Maximum Pressure : 2" to 12" : 250 PSI / 17 bar
: 14" to 20" : 140 PSI / 10 bar
- * Burst Pressure : 2" to 12" : 650 PSI / 45 bar
: 14" to 20" : 550 PSI / 40 bar

CONSTRUCTION FEATURES :

- Bellow : Neoprene (NBR and EPDM available on request)
- Reinforcement : Nylon cord fabric and spring steel wire
- Flanges : Floating forged steel, drilled to BS4504 PN 16 (ANSI standards on request)
: Epoxy powder coated for corrosion resistance

Product Code	Nominal Pipe Size		Pipe OD (D) mm	Length (L) mm	Elongation mm	Compression mm	Deflection Angle
	In.	mm					
HGDEJ060	2"	DN50	60.3	130	10	13	15°
HGDEJ073	2 ½"	DN65	73	150	10	13	15°
HGDEJ090	3"	DN80	88.9	150	10	13	15°
HGDEJ114	4"	DN100	114.3	152	10	16	15°
HGDEJ141	5"	DN125	141.3	152	10	16	15°
HGDEJ168	6"	DN150	168.3	152	10	16	15°
HGDEJ219	8"	DN200	219.1	165	13	16	15°
HGDEJ273	10"	DN250	273.1	203	13	20	15°
HGDEJ323	12"	DN300	323.8	203	13	20	15°
HGDEJ355	14"	DN350	355.6	255	13	25	15°
HGDEJ406	16"	DN400	406.4	255	13	25	15°
HGDEJ457	18"	DN450	457.2	255	13	25	15°
HGDEJ508	20"	DN500	508	255	13	25	15°
HGDEJ610	24"	DN600	609.6	260	13	25	15°

