

# Flexible Expansion Joint

(N 05 315)



## Features and benefits

- can be applied in combination with:
  - inlet and outlet of air handling units, chillers, cooling towers and condensers
  - air suction and discharge of pumps
  - intervals in chilled water piping
- installation of Flexible Expansion Joints is recommended to compensate for axial, 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 the 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 anchored on both sides
- the control units consist of neoprene grommets, gusset plate, counter flange and control rod
- 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
- Technical Data
  - temperature resistance: from -15 °C to +115 °C
  - working media: water, compressed air, oil, weak acids / alkalines
  - vacuum: 700 mm Hg
- Technical Data:
  - maximum pressure: 2" to 12": 250 PSI / 17 bar
  - maximum pressure: 14" to 20": 140 PSI / 10 bar
  - burst pressure: 2" to 12": 650 PSI / 45 bar
  - burst pressure: 14" to 20": 550 PSI / 40 bar

Part No.	D (")	R	L	B (mm)	k (mm)	Elongation (mm)	Compression (mm)	Control Rod Part No.
DMEJ50	2	M18	130 mm	165	125	10	13	DMCR50
DMEJ65	2½	M18	150 mm	185	145	10	13	DMCR65
DMEJ80	3	M20	150 mm	200	160	10	13	DMCR80
DMEJ100	4	M20	152 mm	220	180	10	16	DMCR100
DMEJ125	5	M22	152 mm	250	210	10	16	DMCR125
DMEJ150	6	M22	152 mm	285	240	10	16	DMCR150
DMEJ200	8	M24	165 mm	340	295	13	16	DMCR200
DMEJ250	10	M26	203 mm	405	355	13	20	DMCR250
DMEJ300	12	M28	203 mm	460	410	13	20	DMCR300
DMEJ350	14	M30	255 mm	520	470	13	25	DMCR350
DMEJ400	16	M32	255 mm	580	525	13	25	DMCR400
DMEJ450	18	M34	255 mm	640	585	13	25	DMCR450
DMEJ500	20	M36	255 mm	715	650	13	25	DMCR500
DMEJ600	24	M40	260 mm	840	770	13	25	DMCR600