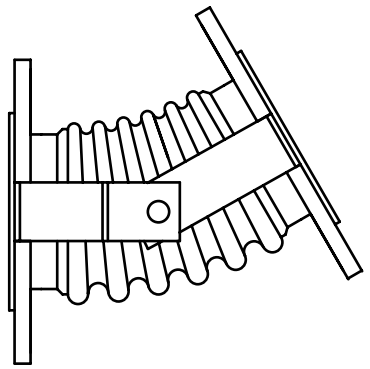
HINGED EXPANSION JOINTS
Model EJHF + EJHFN



EJHF(N)

APPLICATIONS

Hinged expansion joints are designed to accommodate thermal pipe expansion when used in sets of two or three.

These models have either mixed carbon steel / stainless steel internal parts OR stainless steel to ALL wetted parts, and can be used accordingly on steel, stainless steel or copper pipe systems for the following applications:-

Low Temperature Heating (LTHW)
Medium Temp. Heating (MTHW)
High Temp. Heating (HTHW)
Domestic Hot Water (DHWS)
Steam and Condensate

Nominal Size DN (mm)	Installation Length (mm)	Angular Deflection (deg)	Force to Deflect (N)	Spring Rate ANG (Nm/deg)	Product Code (MODEL-SIZE-OAL-MVT-ENDS)
40	200	5	41.5	8.3	EJHF(N)-040-200-5-PN##
50	133	5	41.5	8.3	EJHF(N)-050-133-5-PN##
65	133	5	50.5	10.1	EJHF(N)-065-133-5-PN##
80	133	5	157.0	31.4	EJHF(N)-080-133-5-PN##
100	133	5	304.0	60.8	EJHF(N)-100-133-5-PN##
125	199	6	217.2	36.2	EJHF(N)-125-199-6-PN##
150	199	6	331.8	55.3	EJHF(N)-150-199-6-PN##
200	212	7	749.7	107.1	EJHF(N)-200-212-7-PN##
250	212	7	1344	192	EJHF(N)-250-212-7-PN##
300	212	7	2135	305	EJHF(N)-300-212-7-PN##
350	230	5	2945	589	EJHF(N)-350-230-5-PN##
400	230	5	4220	844	EJHF(N)-400-230-5-PN##
450	240	5	6070	1214	EJHF(N)-450-240-5-PN##
500	250	5	8105	1621	EJHF(N)-500-250-5-PN##

The data above is typical for SEP applications.
For more demanding applications, the length, movement, deflection force and spring rate will be dependant upon the design for the pressure and temperature of the fluid conveyed.

SPECIFICATION

EJHF - Flanged model with stainless steel bellows and internal flow sleeve, carbon steel hinges and fixed flanges.

EJHFN - Flanged model with stainless steel bellows and internal flow sleeve, carbon steel hinges and flanges with stainless steel van-stone facing (lapped pipe end).

Designed to EJMA* Standards. *Expansion Joint Manufacturers Association.

BS6129 Part 1 applies to the installation.

Conforms with PED* 97/23/EC. *Pressure Equipment Directive.

OPERATING PARAMETERS

Bespoke models are designed to suit the pressure and temperature of the fluid conveyed in compliance with PED 97/23/EC. As a guide, the operating parameters are based on pressure / temperature ratings for ferritic steel flanges from BS4504 / EN1092, where the working pressure is reduced at elevated working temperatures.

Working Temp. Up to	Maximum non-shock Working Pressure for PN6	PN10	PN16	PN25
120 ºC.	6.0 Barg.	10.0 Barg.	16.0 Barg.	25.0 Barg.
150 ºC.	5.4 Barg.	9.0 Barg.	14.4 Barg.	22.5 Barg.
200 ºC.	4.8 Barg.	8.0 Barg.	12.8 Barg.	20.0 Barg.
250 ºC.	4.2 Barg.	7.0 Barg.	11.2 Barg.	17.5 Barg.
300 ºC.	3.6 Barg.	6.0 Barg.	9.6 Barg.	15.0 Barg.

NOTE: the force to deflect assumes 1m between the hinge pins of 2 units.