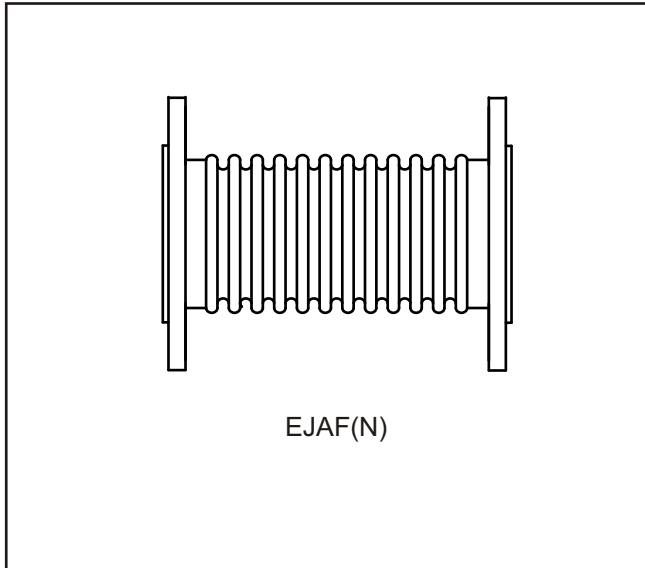


AXIAL EXPANSION JOINTS

Model EJAF + EJAFN



APPLICATIONS

Axial expansion joints are designed to accommodate thermal pipe expansion in an axial direction.

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 flanged pipe systems for the following applications:-

Low Temperature Heating (LTHW)
 Medium Temp. Heating (MTHW)
 High Temp. Heating (HTHW)
 Steam and Condensate

Where required, these models are in accordance with WRAS, for the following applications:-

Potable Water Service (Drinking)
 Cold Water Service (CWS)
 Hot Water Service (HWS)



Nominal Size DN (mm)	Installation Length (mm)	Axial Compression (mm)	Effective Area (cm ²)	Spring Rate AX (N/mm)	Product Code (MODEL-SIZE-OAL-MVT-ENDS)
40	350	40	20	36	EJAF(N)-040-350-40-PN##
50	350	40	32	52	EJAF(N)-050-350-40-PN##
65	350	40	49	90	EJAF(N)-065-350-40-PN##
80	350	40	67	105	EJAF(N)-080-350-40-PN##
100	350	40	122	152	EJAF(N)-100-350-40-PN##
125	350	40	176	161	EJAF(N)-125-350-40-PN##
150	350	40	258	230	EJAF(N)-150-350-40-PN##
200	350	40	414	272	EJAF(N)-200-350-40-PN##
250	350	40	658	386	EJAF(N)-250-350-40-PN##
300	350	40	904	434	EJAF(N)-300-350-40-PN##
350	350	40	1171	535	EJAF(N)-350-350-40-PN##
400	350	40	1515	688	EJAF(N)-400-350-40-PN##
450	350	40	1886	764	EJAF(N)-450-350-40-PN##
500	350	40	2324	1053	EJAF(N)-500-350-40-PN##
600	350	40	3274	1236	EJAF(N)-600-350-40-PN##

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

SPECIFICATION

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

EJAFN - Flanged model with stainless steel bellows, internal flow sleeve and carbon steel flanges with stainless steel van-stone facing (lapped pipe end). Solid stainless steel fixed flanges may be used instead, especially at smaller nominal pipe sizes.

EJAFN(E) when suffixed "(WRAS)" indicates accordance with WRAS*, approval number 0705086. *Water Regulations Advisory Scheme.

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

Flanged models to BS4504 / EN1092 PN16

Working Temperature = 120 °C.
 Working Pressure = 16 Barg.
 Cold Test Pressure = 24 Barg.

WRAS Approved models - Max. Working Temperature = 90 °C.

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