

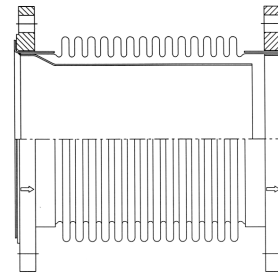
SINGLE AXIAL SWIVEL FLANGED

TYPE :

S AV/16/002

DESIGN CONDITIONS

Max. working pressure 16 Bar g.
 Temperature Range -20 to 400°C
 Test Pressure 24 Bar g.
 Design Code EJMA



CONSTRUCTION MATERIALS

Bellows 321 Stainless Steel
 Flanges Carbon Steel
 Inner Sleeve 321 Stainless Steel
 Vanstone Face 321 Stainless Steel

UNIT IDENTIFICATION:

Manufacturer, Size, Country of Origin, Date Stamp, Type No.

SPECIFICATION

Thermosel type SAV/16/002 unrestrained axial movement expansion joint. High grade stainless steel membrane / inner flow sleeve with swivel carbon steel flanges drilled to BS4504-PN16. Constructed to have all stainless steel internal surfaces. Designed to EJMA (Expansion Joint Manufacturing Association).

TECHNICAL DATA

NOMINAL SIZE	PIPE DIAMETER O.D	PART NUMBER	MOVEMENT		OVERALL LENGTH	EFFECTIVE AREA	AXIAL SPRING RATE
			+ or - mm	Total mm			
mm	mm	SAF/___/16/002/PN16			mm	cm ²	N/mm
40*	48.3	SAF/0040/16/002/PN16	25	50	208	37	67
50*	60.3	SAF/0050/16/002/PN16	25	50	208	37	67
65	76.1	SAF/0065/16/002/PN16	25	50	208	56	88
80	88.9	SAF/0080/16/002/PN16	25	50	208	75	198
100	114.3	SAF/0100/16/002/PN16	25	50	208	118	257
125	139.7	SAF/0125/16/002/PN16	38	76	314	187	206
150	168.3	SAF/0150/16/002/PN16	38	76	314	261	248
200	219.1	SAF/0200/16/002/PN16	50	100	352	441	249
250	273	SAF/0250/16/002/PN16	50	100	352	665	313
300	323.9	SAF/0300/16/002/PN16	50	100	352	918	373
350	357	SAF/0350/16/002/PN16	45	90	325	1200	840
400	406	SAF/0400/16/002/PN16	45	90	325	1530	940
450	457	SAF/0450/16/002/PN16	45	90	325	1929	840
500	508	SAF/0500/16/002/PN16	45	90	343	2342	940
550	559	SAF/0550/16/002/PN16	45	90	310	2895	690
600	610	SAF/0600/16/002/PN16	45	90	310	3394	740

* Not fitted with internal flow sleeves.

Note - Spring Rate Tolerance +/- 25%

TYPICAL APPLICATIONS

These are designed to absorb axial movement resulting from thermal expansion / contraction in ferrous or non-ferrous pipework. Suitable for potable or domestic water applications.

INSTALLATION

Please refer to the recommendations contained in our literature on the installation of expansion joints. This expansion joint will extend in length when under pressure unless adequately restrained by anchors and guides. Ideally the joint should be located adjacent to an anchor with the first guide not more than four pipe diameters from the expansion joint. The next guide should be positioned 14 pipe diameters from the first, with subsequent guides positioned as necessary to ensure that the pipeline is free from sag or pressure deflection.

The SAV/16/002 is supplied at its free length and will usually require cold drawing on installation.

ALTERNATIVES

Where an SAV/16/002 is not suitable please contact *Pickup Bellows Ltd* to discuss the alternative options.

UNRESTRAINED