

VIBRATION EXPANSION JOINT

FAF5500



Features

- These absorbers, which have compact and flexible structure, can be replaced with rubber joints in high pressures and pump connection installations where corrosive fluids are used.
- Made of multilayer bellows with compact structure.
- Often used in order to eliminate vibration at the pump inlet and outlet.
- High pressure and cavitation replaces rubber expansion joints in the flow.
- Limit rods absorb unwanted forces caused by the axial movement limiting fluid pressure. Therefore, the fixed support (support) is not required.
- The forces caused by flow pressure are eliminated through limiting the axial movements by the existing limit rods and the need for fixed support is eliminated.
- Because of assembling without weld, there is no material deterioration by welding.
- Stock piled for quick delivery.

Temperature

- -20, +430 °C

PRODUCTION STANDARTS

DN32 → DN250
PN 16

Design	DIN 30681
Connection	FLANGED EN 1092-1 / ISO 7005-1
Face to Face	DIN 30681
Marking	EN 19 / DIN 30681
Tests	DIN 30681
Corrosion Protection	Electrostatic Epoxy

Product Description

FAF5500 Vibration Absorber Expansion Joint is used at absorption-pressure lines for purpose of isolation of vibration and generally manufactured of two-ply bellows.

Advantages

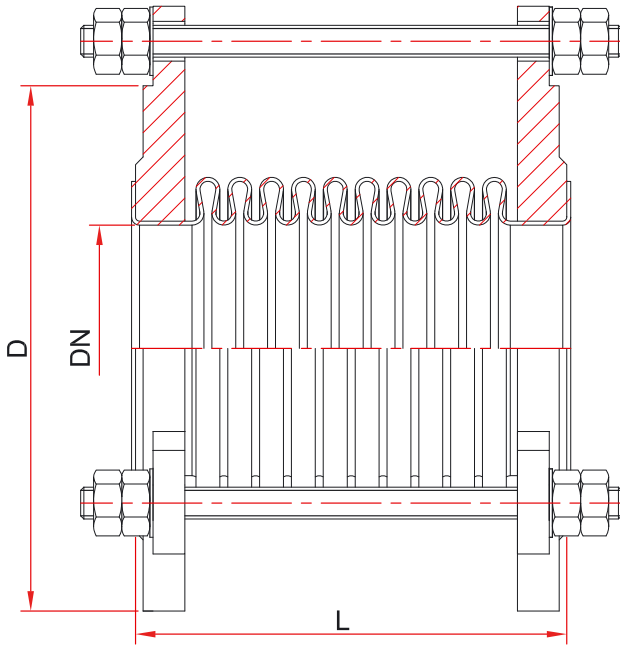
- Simple and robust construction
- Absorbs large amount of lateral, angular and axial movements
- Inexpensive
- Easy to install
- Low maintenance

Scope of Application

- Hot & cold water
- Superheated water
- Potable water
- Steam
- Gas networks
- Chemicals
- Pressurized Air
- Heat exchangers
- Pumps & compressors

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MATERIAL SELECTION

Bellow

- 1.4301 - AISI 304 Stainless Steel
- 1.4401 - AISI 316 Stainless Steel
- 1.4541 - AISI 321 Stainless Steel

Body

- 1.0037 - ST 37 Steel
- 1.4301 - AISI 304 Stainless Steel
- 1.4401 - AISI 316 Stainless Steel

Flange

- 1.0037 - ST 37 Steel
- 1.4301 - AISI 304 Stainless Steel
- 1.4401 - AISI 316 Stainless Steel

PRODUCTS MODEL CODES

FAF5500	VIBRATION EXPANSION JOINT, Flanged
FAF5520	VIBRATION EXPANSION JOINT, Welding End
FAF5000	RUBBER EXPANSION JOINT - LONG TYPE
FAF5100	AXIAL EXPANSION JOINT
FAF5200	EXTERNALLY PRESSURIZED EXPANSION JOINT
FAF5300	EXTERNAL PRESSURIZED EXPANSION JOINT
FAF5400	DILATATION EXPANSION JOINT
FAF5600	DECORATIVE EXPANSION JOINT

VALVE TEST PRESSURE (Bar)

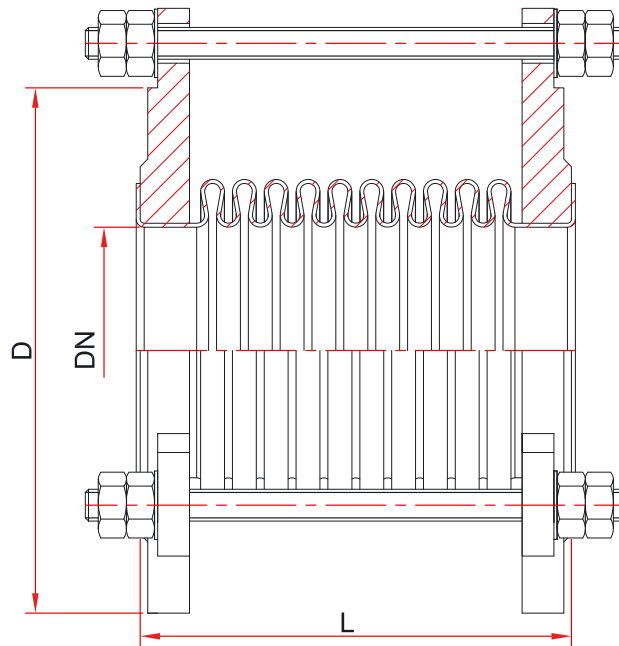
MAX. OPERATING PRESSURE	BODY / SHELL TEST	SEAT TEST
16	24	17,6

100% of the valves are subjected to hydrostatic tests at FAF facilities.

Note

- For proper use and safety precautions please follow the installation and operating instructions.

Technical Details & Drawing, Dimensions



DN	DIMENSION			RATINGS		BOLT DIMENSION	BOLT / NUT QTY	FASTENING MOMENT Nm	WRENCH SIZE (mm)
	mm	D	L +/-5	Expansion Range	Effective Area cm ²				
32	140	130	-20/+10	21	3,2	M16X60	4X2	205	24
40	150	130	-20/+10	24	4,1	M16X60	4X2	205	24
50	165	130	-20/+10	36	5,5	M16X60	4X2	205	24
65	185	135	-20/+10	57	6,7	M16X60	4X2	205	24
80	200	135	-20/+10	77	8,8	M16X65	8X2	205	24
100	220	135	-20/+10	126	9,5	M16X65	8X2	205	24
125	250	135	-20/+10	180	12,5	M16X70	8X2	205	24
150	285	140	-20/+10	263	16,0	M20X75	8X2	400	30
200	340	145	-20/+10	434	22,00	M20X80	12X2	400	30
250	405	150	-20/+10	670	27,5	M24X90	12X2	691	36

* Valves can be produced with bigger sizes when requested.