

External Pressurized Expansion Joint

SJT4100

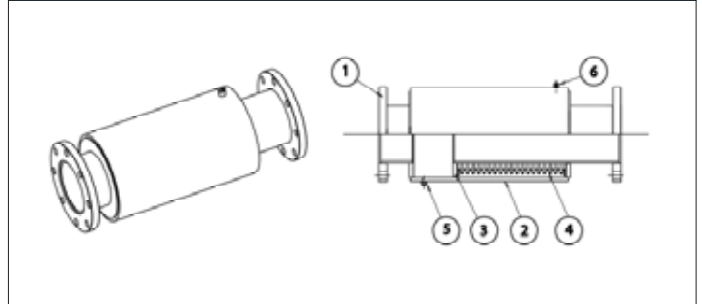


Feature

- Besides the large amount of axial movement, another special feature of external pressure balanced type expansion joint is the self-draining convolutions. It can prevent any the acumination of corrosive or solid particles from building up. Liquid media can 100% drains away from the drain connection, if needed, assists by the purging.
- SUS 304 bellows and pipe are available upon requested.
- For steam application, it is advised using steam trap with the drain connection which eliminates the possibility of any condensate liquid "flashing" to vapor during startups.
- Shipping devices (painted yellow) must be removed prior to start-up or testing the system.
- Please consult us for other material, pressure, temperature and movement designs.

Design Working Pressure	1.02 MPA (10 Kgf/cm ²)
Design Working Temperature	200°C
Applicable Fluid	Water, Hot Water, Oil, Steam, Gas, and Exhaust Air

Structure



No.	Qty	Parts	Material
①	2	Standard Flange	SS400
②	1	Outer Pipe	CS
③	1	Guide Ring	SS400
④	1	Bellow	SUS316L
⑤	1	Drain plug (R 1/2")	FCMB
⑥	1	Purge Connection (R 1/2")	CS

Dimensions and Allowable Movements

Nominal Diameter A (B)	Length (L) (mm)	Axial Movement (mm)	Effective Cross Section Area (cm ²)	Spring Constant (N/mm)	Mass (kg)
125 (1")	475	-45,+5	27.4	10.7	7.10
32 (1-1/4")	475	-45,+5	27.4	10.7	8.20
40 (1-1/2")	475	-45,+5	27.4	10.7	9.10
50 (2")	500	-45,+5	44.5	20.7	13.10
65 (2-1/2")	550	-45,+5	62.8	33.4	20.20
80 (3")	750	-70,+5	97.0	26.4	30.70
100 (4")	800	-95,+5	161.7	24.0	50.50
125 (5")	800	-95,+5	228.3	31.5	58.80
150 (6")	850	-95,+5	381.9	43.0	82.90

Note The contents of this catalogue are subject to change without notice.

AGENT

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