SSB HOSE
"Flexible Solutions for Today's Rigid Industries"
Phone: 905-755-9610
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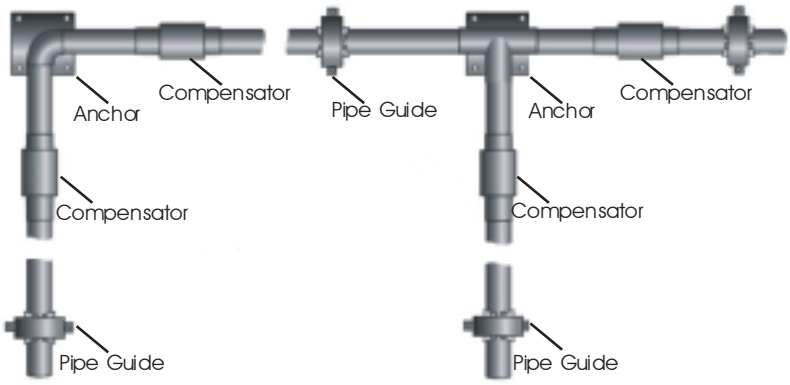
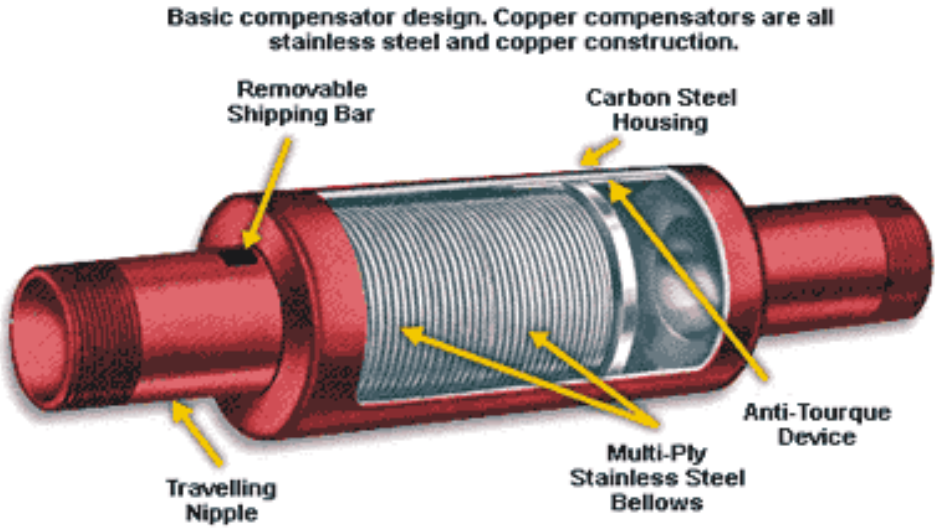
Expansion Compensators

SSB compact design expansion compensators save valuable space in piping systems. It is a perfect way to absorb up to 2" of axial movement resulting from thermal growth in domestic hot water, heating hot water and chilled water piping systems. An example of their popular use is in building riser systems, compensating thermal expansion and concrete shrinkage. They are designed to absorb straight axial compression and extension and can be installed in vertical or horizontal piping.



Typical Expansion Compensator Install

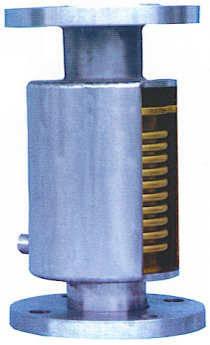
Note: Proper guiding and anchoring is essential to an installation of expansion compensators to prevent buckling or squirming of the pipeline.



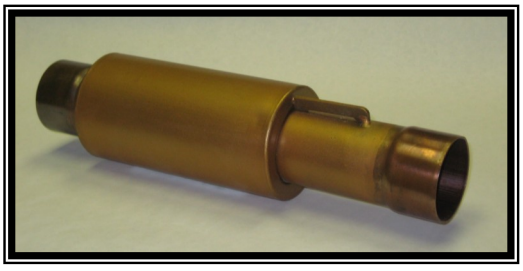
The externally pressurized and rugged construction design fully encases the stainless steel bellows with an external cover, assuring safety and reliability. The integral liner is designed to prevent bellows impingement or fatigue due to flow reduced vibration.
Standard working pressure ratings up to 200 psi. Maximum system test pressure 300 psi. Rated for 10,000 cycles.
Inventory stocked standard with female copper tube ends and steel male NPT ends. Also available with flange ends.

Standard Sizes: 3/4" to 4" I.D.

SSB Carbon steel compensators are available with sch40 buttweld ends, sch40 male NPT ends and 150# flanged ends.



Copper compensators are only available with copper sweat ends.



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Expansion Compensators

Comp2 Carbon Steel Expansion Compensator

2.00" axial compression
0.50" axial extension
175 PSIG @ 750 deg F

Comp2 - Models CBCB, CMCM, CXCX Expansion Compensator

PART NO.	Pipe Size	Length	Compression	Extension	Effective Area (in^2)	Spring Rate (lbs/in)	Weight
CS075_____12.7A-2	.75"	12 3/4"	2"	.50"	1.5	81	3
CS100_____13.2A-2	1"	13 1/4"	2"	.50"	2.1	88	4
CS125_____13.2A-2	1.25"	13 1/4"	2"	.50"	3.3	75	5
CS150_____14.6A-2	1.5"	14 5/8"	2"	.50"	4.3	121	7
CS200_____14.6A-2	2"	14 5/8"	2"	.50"	6.3	143	10
CS250_____16A-2	2.5"	16"	2"	.50"	8.8	187	14
CS300_____16A-2	3"	16"	2"	.50"	13.1	230	18
CS400_____16.3A-2	4"	16 3/8"	2"	.50"	20.8	484	25

CBCB = carbon steel sch40 buttweld ends
CMCM = carbon steel sch40 male NPT ends
CXCX = carbon steel 150# flange ends

Listed weights are for models CBCB and CMCM only. Please contact customer service for CXCX weights.

Comp2 Copper Expansion Compensator

2.00" axial compression
0.50" axial extension
175 PSIG @ 750 deg F

Comp2 - Model CSCS Expansion Compensator

PART NO.	Pipe Size	Length	Compression	Extension	Effective Area (in^2)	Spring Rate (lbs/in)	Weight
CC075CSCS11A-2	.75"	11"	2"	.50"	1.1	82	0.75
CC100CSCS11.2A-2	1"	11 1/4"	2"	.50"	1.7	89	1
CC125CSCS12.5A-2	1.25"	12 1/2"	2"	.50"	2.4	75	1.5
CC150CSCS12.8A-2	1.5"	12 7/8"	2"	.50"	3.2	74	2
CC200CSCS13A-2	2"	13"	2"	.50"	5.1	168	3
CC250CSCS13.2A-2	2.5"	13 1/4"	2"	.50"	7.6	188	4
CC300CSCS14A-2	3"	14"	2"	.50"	10.6	251	4.5
CC400CSCS15A-2	4"	15 1/16"	2"	.50"	17.9	341	9

Expansion Compensators are designed for axial movement only. Pipe must be properly guided and anchored per the recommendations of the Expansion Joint Manufacturers Association.