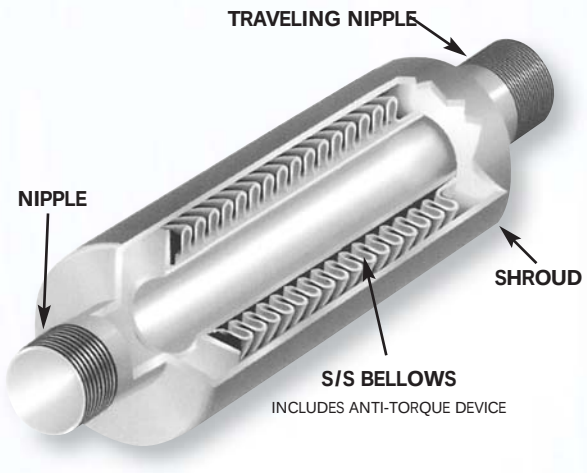
EXPANSION COMPENSATORS

Here's the perfect way to absorb pipe motion in small diameter systems. Series H2 High pressure types permit 2" pipe motion — 1 3/4" compression and 1/4" extension. Series H3 High pressure types permit 3" pipe motion 2 3/4" compression and 1/4" extension. Senior Flexonics Canada expansion compensators provide the lowest cost method to take up thermal growth.

Senior Flexonics Canada compensators are externally pressurized as opposed to the standard internally pressurized models. The external pressurization principle eliminates the possibility of the bellows buckling, which is one of the major causes of compensator failure.



How to order:
Example P/N

DIA	STYLE
1.25	HMT

SPECIFICATIONS: SERIES H2,H3,& HB

High pressure	Pipe Size (ins.)	Style	Pressure Max. Wkg. psig	Pressure Test psig	Overall Length (ins.)	Outside Diameter (ins.)	Axial Sp. Rate (lbs./in.)	Effective Area in.²	Weight (lbs)
STEEL PIPING SYSTEMS- MODEL H2	3/4	H2-MMT	200	300	12 1/8	3	141	2.20	5.5
Stroke-1 3/4" compression; 1/4" extension	3/4	H3-MMT	200	300	16 3/4	3	126	2.20	6.6
(Total stroke 2")	1	H2-MMT	200	300	12 1/8	3 1/2	171	3.50	7.1
Maximum Operating Temperature - 750° F.	1	H3-MMT	200	300	16 3/4	3 1/2	165	3.50	8.4
Maximum Working Pressure - 200 psig	1 1/4	H2-MMT	200	300	14 1/8	4	162	4.84	10.2
Maximum Test Pressure - 300 psig	1 1/4	H3-MMT	200	300	16 1/8	4	167	4.84	10.8
Fittings-Weld Ends (WE)	1 1/2	H2-MMT	200	300	14 1/8	4 1/2	262	6.50	12.3
Fittings-Male Thread Ends (MMT)	1 1/2	H3-MMT	200	300	16 1/8	4 1/2	262	6.50	13
Stainless steel bellows,	2	H2-MMT	200	300	14 1/8	4 1/2	269	7.60	13.2
Steel shroud and fitting	2	H3-MMT	200	300	15 7/8	4 1/2	269	7.60	13.9
STEEL PIPING SYSTEMS- MODEL H3	2 1/2	H2-MMT	200	300	15 1/2	5 1/2	362	12.9	19.6
Stroke-2 3/4" compression; 1/4" extension	2 1/2	H2-HWE	200	300	15 1/2	5 1/2	362	12.9	19.6
(Total stroke 3")	2 1/2	H3-MMT	200	300	16 1/2	5 1/2	362	12.9	19.8
Maximum Operating Temperature - 750° F.	2 1/2	H3-HWE	200	300	16 1/2	5 1/2	362	12.9	19.8
Maximum Working Pressure - 200 psig	3	H2-MMT	200	300	15 3/16	6 1/2	413	16.1	24.2
Maximum Test Pressure - 300 psig	3	H2-HWE	200	300	15 3/16	6 1/2	413	16.1	24.2
Fittings-Weld Ends (HWE), Male Thread	3	H3-MMT	200	300	21	6 1/2	413	16.1	36.3
Ends (MMT), Flanged Ends (FF)	3	H3-HWE	200	300	21	6 1/2	413	16.1	36.3
Stainless steel bellows,	4	H2-HWE	200	300	15 3/16	7	499	24.2	27.6
Steel shroud and fittings	4	H3-HWE	200	300	21	7	499	24.2	40
COPPER PIPING SYSTEMS	3/4	HB-FFS	200	300	12 1/2	2 3/8	227	2.2	2.2
Stroke-1 3/4" compression; 1/4" extension	1	HB-FFS	200	300	12 1/2	2 3/8	145	2.2	2.4
(Total stroke 2")	1 1/4	HB-FFS	200	300	13 13/16	2 3/4	175	2.7	3.1
Maximum Operating Temperature - 400° F.	1 1/2	HB-FFS	200	300	13 13/16	2 3/4	196	3.5	3.3
Maximum Working Pressure - 200 psig	2	HB-FFS	200	300	13 13/16	3 3/4	282	6.5	5.5
Maximum Test Pressure - 300 psig	2 1/2	HB-FFS	200	300	14 7/16	4 3/8	337	9.6	7.5
Fittings-Copper Female Sweat Ends (FFS)	3	HB-FFS	200	300	14 7/16	5	389	12.9	10.0
Stainless steel bellows and shroud									

CAUTION: Manufacturing process utilizes silver brazing. Do not exceed 1,000°F. during installation.
NOTE: (1) H2 & H3 Compensators are available with Flanged Ends. Consult factory for details.
(2) Stainless steel components should not be used in systems containing excessive chlorides. Premature failure may result.