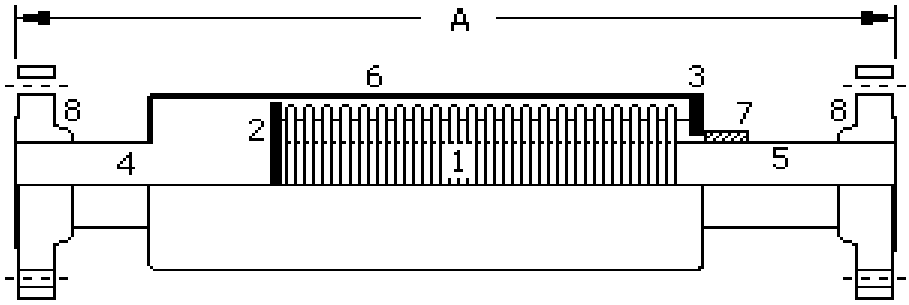
MDC MODEL **H-FL** HIGH PRESSURE
STEEL PIPE AXIAL EXPANSION COMPENSATORS



MATERIALS OF CONSTRUCTION		
1	BELLOWS	T304 Stainless Steel, Multi-ply
2	INTERNAL GUIDE RING	Carbon Steel
3	EXTERNAL GUIDE RING	Carbon Steel
4	STATIONARY END	Carbon Steel Pipe
5	TRAVELLING (LONG) END	Carbon Steel Pipe
6	EXTERNAL SLEEVE (SHROUD)	Carbon Steel
7	SHIPPING CLIP	Carbon Steel (remove after installation)
8	FLANGES	Carbon Steel, 150# ANSI, RFSO, fixed

QTY	MDC P/N	SIZE (IN.)	OVERALL LENGTH "A"	MAX. OUTSIDE DIAMETER	AXIAL COMP. (IN.)	AXIAL EXT. (IN.)	APPROX. WEIGHT (LBS)	EFFECTIVE AREA (IN.SQ.)
	0.75"H-FL	3/4"	12-5/8"	3"	1-3/4"	1/4"	10	2.2
	1.00"H-FL	1"	12-5/8"	3-1/2"	1-3/4"	1/4"	11	3.5
	1.25"H-FL	1-1/4"	14-5/8"	4"	1-3/4"	1/4"	17	4.8
	1.50"H-FL	1-1/2"	14-5/8"	4-1/2"	1-3/4"	1/4"	19	6.5
	2.00"H-FL	2"	14-5/8"	4-1/2"	1-3/4"	1/4"	24	7.6
	2.50"H-FL	2-1/2"	16-1/2"	5-1/2"	1-3/4"	1/4"	34	12.9
	3.00"H-FL	3"	16-3/16"	6-1/2"	1-3/4"	1/4"	41	16.1
	4.00"H-FL	4"	16-3/16"	7-3/32"	1-3/4"	1/4"	54	24.1

OPERATING CONDITIONS:

Operating Pressure	200 psig / 1379 kPa
Test Pressure	300 psig / 2068 kPa
Vacuum Range	full
Temperature	750°F / 400°C

FEATURES:

* Pressure external to the bellows. Low Spring Forces.
* Designed to prevent squirm under compression.
* Available with NPT ends (1/2" shorter in diameters from 3/4" to 2" and 1" shorter in diameters from 2-1/2" to 4")

NOTES:

* This expansion joint is designed for axial movement only.
* Pipe must be properly guided and anchored per recommendations of Expansion Joint Manufacturers Association.
* Do not apply torsion during installation.
* Install unit at the shipped length. Remove the shippling clip after installation only.
* To calculate the Pressure Thrust Force, multiply Effective Area x Operating Pressure to obtain the force value in pounds (lbs) acting on each anchor. Design anchors accordingly.

CUSTOMER		
PROJECT		
ENGINEER		
CUSTOMER REF.		
MDC REF.		
	20821	2008-01-03
MDC DWG. NO.		JMP

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