



41 Benton Drive, East Longmeadow, MA 35  
 Industrial Pkwy, Unit F, Woburn, MA 920  
 Broadway, East Providence, RI  
 sales@mcgillhose.com - mcgillhose.com



Customer Information	
Company Name:	_____
Contact Name:	_____
Contact Phone:	_____
Contact Email:	_____
Dwg No:	_____

Hose Master Use Only	
Opp No:	_____
Initiator:	_____
RSM:	_____
Quantity Requested	_____

No.	Parameter	Value	Units
1	<b>Nominal Diameter</b> <i>REQUIRED - Determines size of fittings and bellows.</i>		in.
2	<b>Internal Design Temperature</b> <i>REQUIRED - Determines if derating of the material is required.</i>		Deg. F
3	<b>Internal Design Pressure</b> <i>REQUIRED - Used to determine bellows design.</i>		psi
4	<b>End Fitting</b> <i>REQUIRED - How will the expansion joint connect to the existing piping system.</i>	Inlet	Outlet
		Flange/Pipe	
		Sub Type	
		Rating/Sch	
		Material	
5	<b>Overall Length</b> <i>Must have overall length OR operating movements. Length available for expansion joint in piping system.</i>		in.
6	<b>Operating Movements.</b> <i>Must have overall length OR operating movements. The maximum amount of movement which an Expansion Joint is capable of absorbing.</i>	Axial	in.
		Lateral	in.
		Angular	Deg.
7	<b>Bellow Material</b> <i>Requested material type for bellows element (Default material selection is 321 SS, Media and application type may provide material selection criteria).</i>		
8	<b>Media</b> <i>The substances being conveyed through a system.</i>		
9	<b>Application</b> <i>The specific purpose for which the Expansion Joint is meant to fulfill.</i>		
10	<b>Liners</b> <i>Minimizes contact between the inside surface of the bellows and the media being conveyed. Used to avoid flow induced vibration and abrasion from the flowing media.</i>		
11	<b>Hardware</b> <i>Used to withstand the pressure thrust of the expansion joint once pressurized.</i>		
12	<b>Covers</b> <i>Provides limited protection of the exterior surface of the bellows from foreign objects.</i>		
13	<b>Type</b> <i>The style of expansion joint requested to meet the unique application.</i>		
14	<b>Specs</b> <i>Any applicable codes or customer specifications</i>		

**Information for numbers 1 through 4 are required, as well as information for number 5 OR 6, for a design. Numbers 7 through 14 are additional options that will assist in achieving the most suitable design.**

With the requisite number of above parameters, Hose Master will be able to design an unrestrained single / universal expansion joint. Any more information that is provided will only help refine the design to better fit the application. Nominal Diameter assumed to be NPS. With basic information, we would provide an unrestrained expansion joint (built to E.J.M.A. 9) with A240-321 bellows material and fixed carbon steel end fittings (if applicable).