

Gas Expansion Due to Fire PRV Sizing Information Sheet

MERCER VALVE CO., INC.®

AUTO SEAT TECHNOLOGY®

Contact Name: Company: Location: Tag/PSV No.:		Phone: Fax: Email: Quantity:				
						the units used for each field.
				1.	Vessel Data ➤ Vessel Diameter: ➤ Vessel Length (seam to seam): ➤ Vessel Orientation: □ Vertical □ Horizontal □ Sphere ➤ Type of Ends: End 1: □ Flat Head □ 2:1 Elliptical □ Hemispherical End 2: □ Flat Head □ 2:1 Elliptical □ Hemispherical	➤ Threaded: MNPT x FNPT FNPT x FNPT
				3.	Operating Data	
	> Operating Pressure:	➤ Allowable Overpressure (up to 21% MAWP):				
	> Set Pressure:	➤ Known Inlet Pressure Drop:				
	Atmospheric Pressure:	➤ Operating Temperature:				
4.	 ➢ Back Pressure: ○ Constant Superimposed: ○ Built-up: Fluid Data ➢ Gas/Vapor Name: 	- -				
	➤ Does This Require Sour Service Trim?: ☐ Yes					
	Compressibility Factor Z:					
	Molecular Weight:					
	Portio of Specific Heater	(totoliked to lin)				

