



SIZING AND SELECTION QUESTIONNAIRE

REQUIRED SIZING DATA

The following is a suggested list of service conditions which must be provided in order to properly size and select a pressure relief valve.

1. FLUID PROPERTIES	
a. Fluid and State	
b. Molecular Weight	
c. Viscosity	
d. Specific Gravity Liquid (refer to water) Gas (refer to air)	
e. Ratio of Specific Heats (k)	
f. Compressibility Factor (z)	
2. OPERATING CONDITIONS	
a. Operating Pressure (psig max)	
b. Operating Temp (max)	
c. Max. Allowable Working Pressure (psig)	
3. RELIEVING CONDITIONS	
a. Required Relieving Capacity Gas or Vapor (lb/hr) Gas or Vapor (scfm) Liquid (gpm)	
b. Set Pressure (psig)	
c. Allowable Overpressure %	
d. Superimposed Back Pressure (psig) (specify whether constant or variable)	
e. Built-Up Back Pressure (psig)	
f. Relieving Temperature (°F)	