



# 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.

<b>1. FLUID PROPERTIES</b>	
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)	
<b>2. OPERATING CONDITIONS</b>	
a. Operating Pressure (psig max)	
b. Operating Temp (max)	
c. Max. Allowable Working Pressure (psig)	
<b>3. RELIEVING CONDITIONS</b>	
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)	