Control Valve Sizing & Selection

The selection of a control valve for a particular application requires a number of factors to be taken into consideration, one of which is the operating process conditions. The following provides a guideline to the information required for correct control valve selection.

Service Conditions:

Quantity:	Process Fluid: *	Line Size – in/out/schedule:		Max. Noise dBA:	
Flow Conditions:		**Units**	**Max.**	**Norm.**	**Min.**
Flowrate *	Liquid Gas/Vapor				
Pressures *	Inlet **Outlet** Δ p (Pressure Drop) Δ p @ Shut-off				
Temperature	Inlet				
Liquid	Specific Gravity Vapor Pressure Critical Pressure Viscosity				
Gas/Vapor	Mol. Wt./Sp. Gr. Compressibility (Z) Sp. Heat Ratio (k)				
End Connections:	Leakage Class:	Body Material:		Actuator Type / Fail Position:	
Additional Notes:					

* The asterisked items are essential for sizing.