Considerations for 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.

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Delta Valves and Controls

CVS Controls Ltd.

Service Conditions Notice

Delta Valves and Controls

Delta / CVS Ref: _____

Customer & Ref: _____

We thank you for you Inquiry, however there is information missing which we require to size and select a suitable proposal.

Would you please complete as much information as possible on the attached sheet, particularly the asterisked items as a minimum. Please complete a separate sheet for each Valve/Item.

In the event that information is not available, we will assume:

- Standard product & materials offering
- Line Size: Sch:
- Physical constants (i.e. SG, Mol. Wt., Vap. Press., etc.) will be assumed as appropriate.
- Connections:
- Temperature:
- Noise Level Max:
- Leak Class:
- Actuator:
- No instrumentation unless specified:

The responsibility will then be left to the Customer/End User, to confirm these as acceptable.