



TECH TIP #41

INFORMATION REQUIRED TO PROPERLY SIZE A CONTROL VALVE

Many applications will not require all the following information, but we think that it is a good practice to collect all the data you can before making a choice. ASCO, the solenoid valve people, have developed a simple acronym to help collect the information, TOMSPACE. Here's how it breaks down:

Type	2-way, 3-way, 4-way, on-off, modulating
Operation	Normally open, normally closed, universal
Media	Air, water, steam, oil, etc (remember temp!)
Size	Pipe size, required GPM, SCFH, PPH, Cv
Pressure	Inlet pressure minimum and maximum, psi drop
Atmosphere	Ambient temp, explosion-proof, watertight
Voltage	Also specify AC or DC
Extras	Special construction, manual operators, etc

This list is by no means exhaustive, but it does give the Prof. a good place to start. A drawing showing line sizes and any details on the equipment that the control valve is sizing will help greatly.

ADVANCED TECHTIPS...The ASCO catalog goes into detail about valve sizing. Call us to request one. We can provide other resources more specific to your application, let us know how we can help. We have been sizing control valves for over 90 years.