

SMCalc™

Product Description

SMCalc™ is a Dynamic Link Library that allows programmatic access to the calculation functions found in the StationManager™ software. The StationManager routines are an evolution of the well proven legacy routines found in the GASCalc™ software. The User has access to the following external routines:

SMCalc™ External Commands...	
CalcPipe	Calculates a specified parameter (flow rate, inlet pressure, outlet pressure, diameter, length, or efficiency) for a given set of operational and pipe segment values.
CalcReg	Calculates a specified parameter (maximum flow rate, inlet pressure, outlet pressure, or valve factor) for a given set of operational and regulator values.
CalcRegMonUpDn	Calculates the maximum flow rate through a specified upstream regulator, intermediate piping, downstream regulator configuration - with either the upstream or downstream regulator acting as monitor. The sense point for both regulators is assumed to be directly downstream of the downstream regulator.
CalcRegMonUpWk	Calculates the maximum flow rate through a specified upstream regulator, intermediate piping, downstream regulator configuration - with the upstream regulator acting as a working monitor. The sense point for the each regulator is assumed to be directly downstream of the associated regulator.
CalcRlf	Calculates a specified parameter (maximum flow rate, inlet pressure, outlet pressure, or valve factor) for a given set of operational and relief valve values.
CalcRlfStack	Calculates the flow through a specified relief valve and stack piping configuration.
SetCalc	Sets the calculation parameters prior to performing one of the above calculations.
SetReg	Sets the regulator parameters prior to performing one of the above calculations.
SetRlf	Sets the relief valve parameters prior to performing one of the above calculations.

An atmospheric pressure calculation routine is also included. Whenever the atmospheric pressure is required by a pipe, regulator, or relief valve calculation it is automatically calculated based on a User specified elevation value.

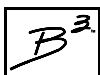
SMCalc™ supports over a dozen pipe flow equations, and numerous regulator and relief valve equations for models from major equipment manufacturers - all tested and proven by years of use by hundreds of Users worldwide.

SMCalc™ can be implemented with any Windows based application supporting Microsoft Visual Basic or Visual Basic for Applications. Simply link/reference the SMCalc™ DLL as a component with the application, then call the various calculation routines similar to any other subroutine or function.

Priced at \$3995 for a single application license. Other license options available on a negotiated basis.

Please contact us for additional information...

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