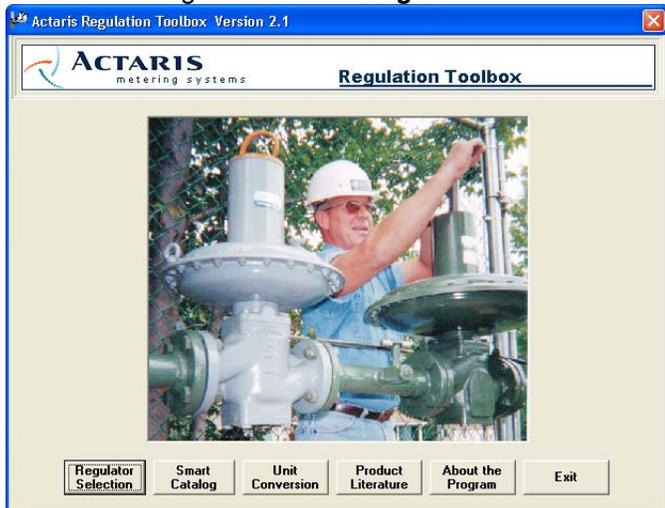


# Actaris / Schlumberger Regulator Sizing Program

1. You can run the program from the CD or load it onto your Hard Drive. From the Main Menu Choose **Regulation Toolbox.**



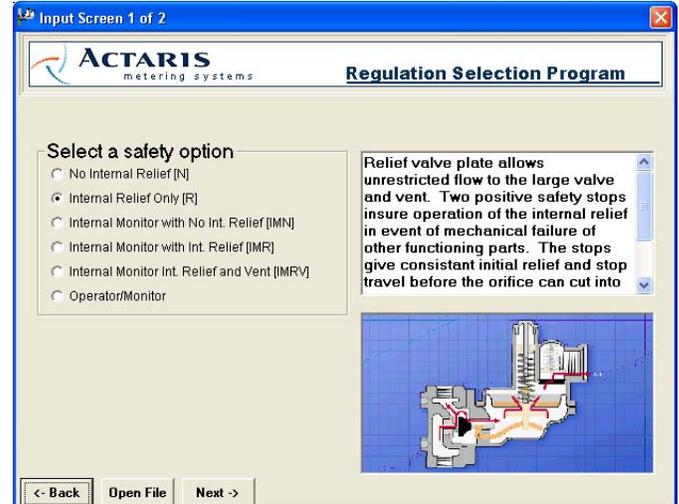
2. To size a regulator choose **Regulator Selection**



You can also work backwards with the **Smart Catalog.** This gives the ability to enter a specific regulator configuration (model, orifice, spring) and the program will show you the associated performance specs for the configuration and operating field parameters.

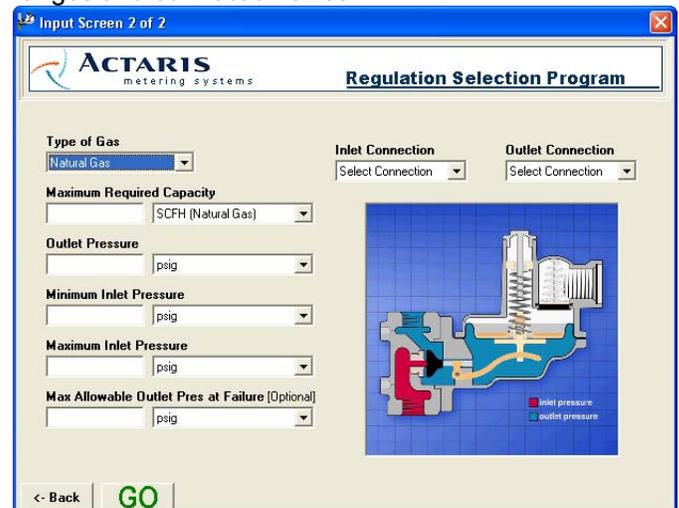
The Product Literature button opens a file with all of the individual regulators in literature in PDF format.

3. The program defaults to regulators with Internal Relief.



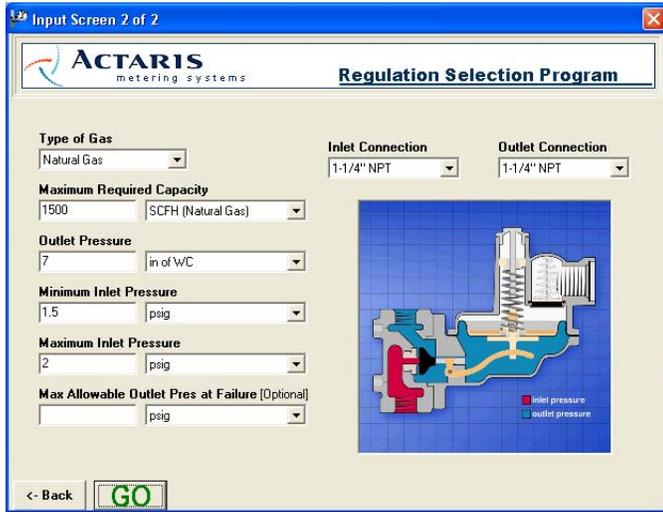
Internal Relief, Internal Monitors, Operator/Monitor are all different means of overpressure protection - insuring that even under failed conditions the pressure downstream will be limited to a (specified) maximum build-up. For outlet pressures below 5 PSIG start your search with Internal Relief (R). For outlet pressure between 2-5 PSIG or very large flow rates try both Internal Relief and No internal Relief (as this will show Constant Loaded regs as well). Above 5 PSIG start w/ No-internal relief.

4. Fill out the desired parameters for the specific application. You can use the pull down menus to chooses different types of gasses, inlet/outlet pressure ranges and connection sizes.



Note: The Max Allowable Outlet Pressure at Failure is used when opting for a regulator with a safety feature such as internal relief. As an example for 10 PSIG Inlet and 7" outlet it is not uncommon to require a 2 PSIG MAOP at Failure. This means if the regulator is blocked open, the relief valve will vent enough gas to limit the pressure below 2 PSIG. This can be left blank if it not an issue.

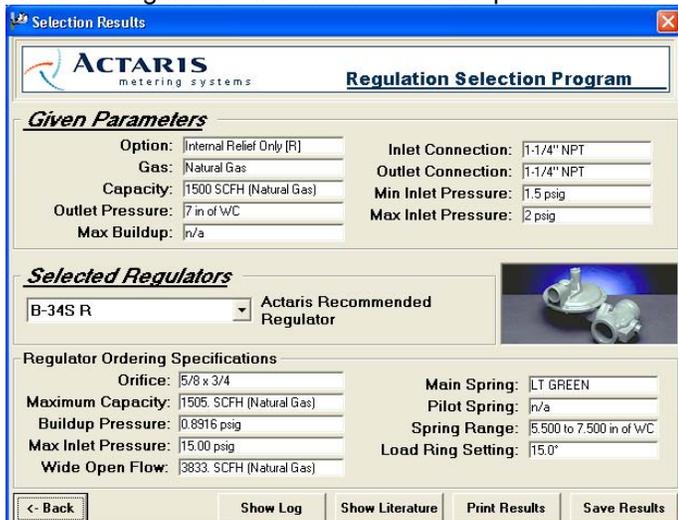
5. Example of typical low pressure application.



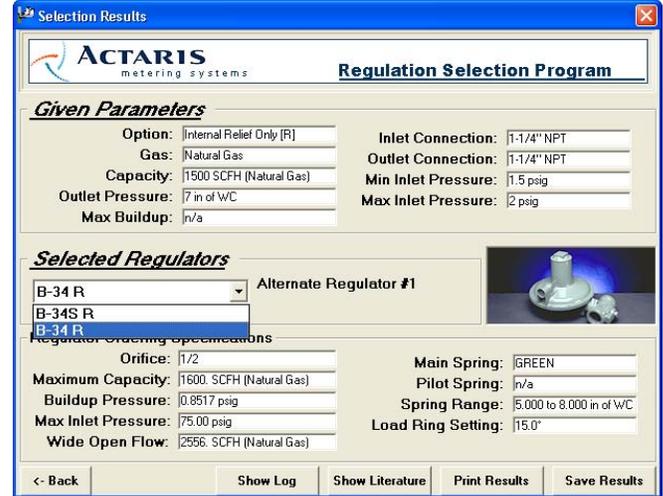
**Hint:** The program eliminates choices by looking at the parameters you pick. For example if you pick 1 1/4" NPT you eliminate some of the regulators that only exist in flanged sizes or some of the larger models that only exist in 1 1/2" or larger sizes. For smaller commercial loads try varying the Inlet/Outlet from 1 1/4" NPT to 1 1/2" to get all the choices. For larger try 1 1/2" NPT or 2" Flanged.

Use the Back button to return to the Safety Options page and change from Internal Relief to No Relief – this will again widen the selection of choices.

6. After Hitting **Go** the program will Recommend a choice of regulators and the associated Specifications.

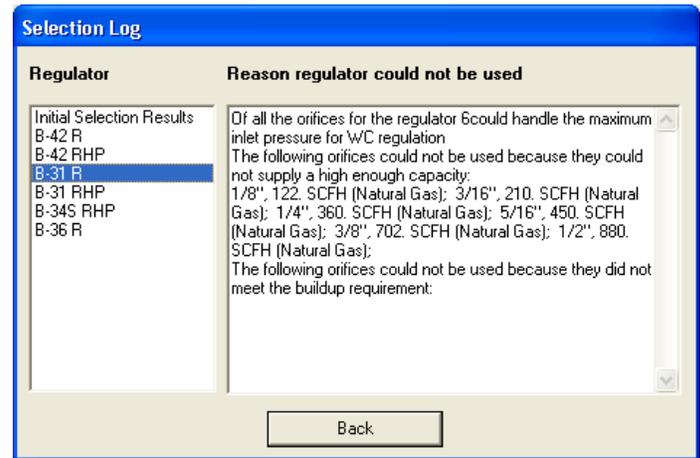


7. The choices are listed in order of expense (the least expensive first). Use the arrow button to scroll through the other choices and see the associated specifications



You can use the Print Results button to print out the specification for a particular choice or all the choices, make notes. Use the Show Literature button to see the literature in PDF associated with a particular choice.

**Hint:** If a regulator that you were expecting to see does not show up or you get no suitable regulators for your parameters use the Show log button to see which regulators were considered and why they were eliminated. This may give you an indication of what search parameters to change to widen your search.



For additional support contact:  
**Follin Flo-Controls, a div. of Big Wave Inc.**  
39 Magnolia Avenue, Cambridge, MA 02138  
Phone: 617-290-2134 Fax: 240-250-8907