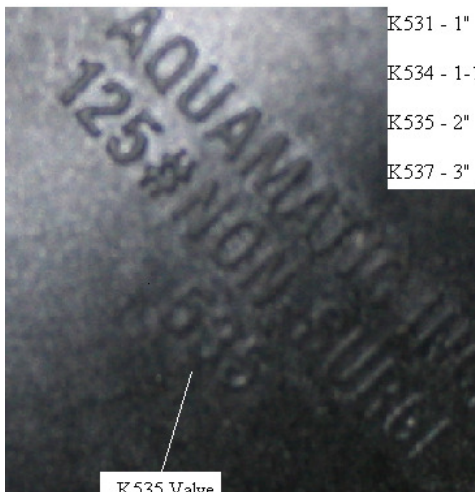


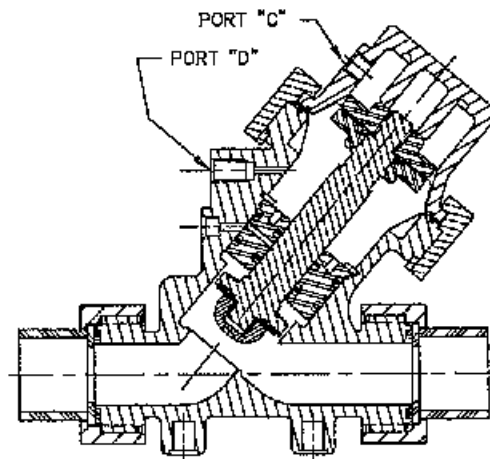
## Aquamatic Valve Questionnaire K53 Series Plastic Valves

Do you have a number that resembles something like the following K531-X200-14000? If not, please proceed.

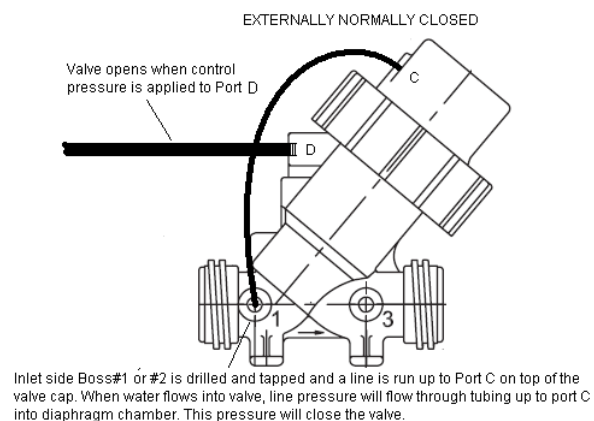
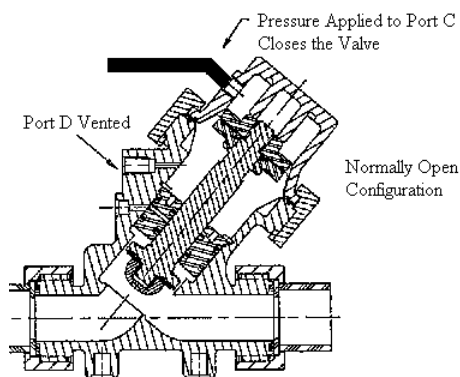
You can locate a 3 digit numerical number printed on the valve body. This number will point you into the right direction as far as the size of the valve. The K53 Series has the following sizes in relation to the 3 Digit Numerical Number:



K531 - 1"  
K534 - 1-1/2"  
K535 - 2"  
K537 - 3"



What is the valve configuration? Is it Normally Open or Externally Normally closed?

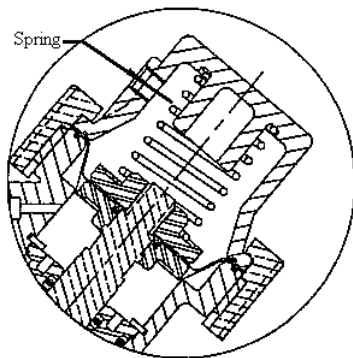


On the K53 series valves, a pressurized external line is run into port C above the diaphragm to close the valve externally. This option is noted as Externally Normally Closed XNC.

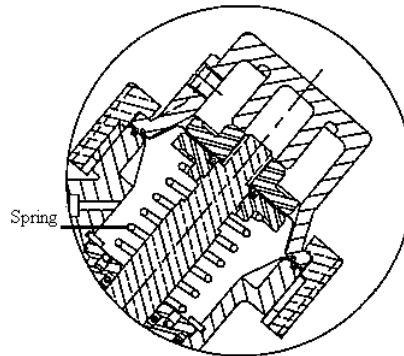
Is there is a Spring Assist Open or Spring Assist Closed option inside the valve? Please undo the valve cap to determine this option.

\*\*For a SAC option, the spring is above the diaphragm. SAO, the spring is below the diaphragm.

### K53 Series



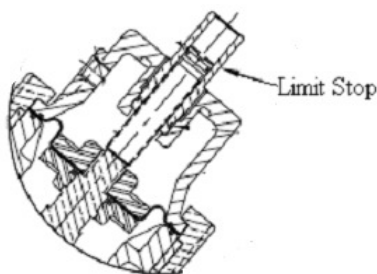
Spring Assist Closed Option  
Spring is positioned above the diaphragm



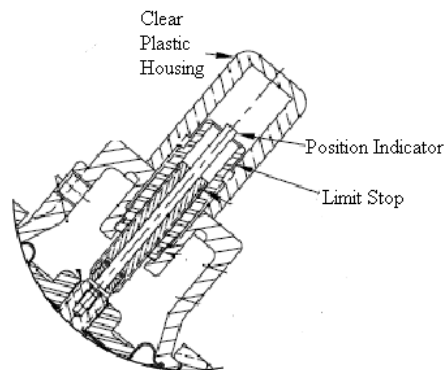
Spring Assist Open  
Spring positioned below Diaphragm

K53 Series valves can either have just a limit stop option, or a position indicator combined with a limit stop option. These are visible options.

### K53 Series

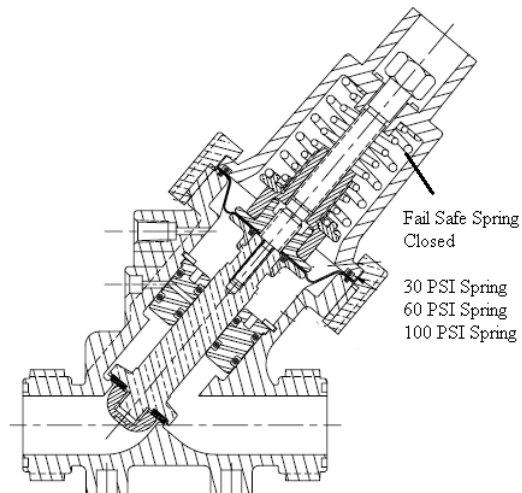


Limit Stop



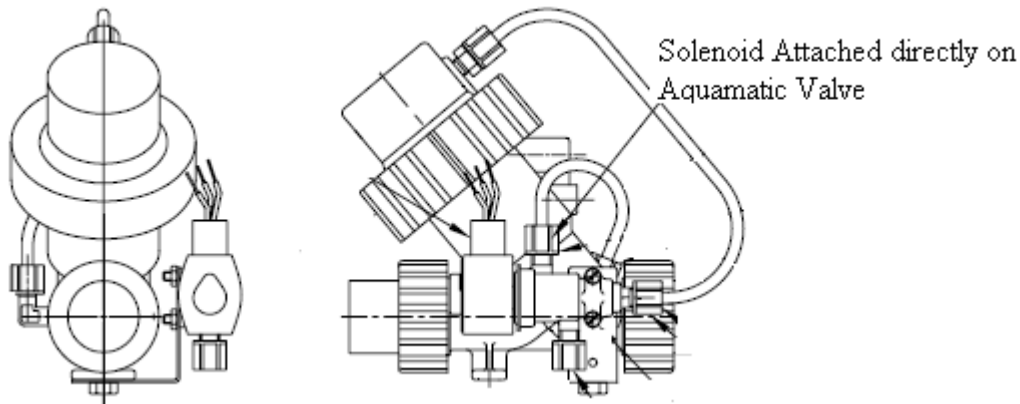
Limit Stop / Position Indicator

The K530 Series valves also offers a valve with an option fail-safe spring closed option. The valve will look like this:



If you have this option, we will need to know the pressure is the spring. The pressure of the spring will be 30psi, 60 psi, or 100 psi.

Do you have a solenoid attached to the K53 Series valve? If yes, please proceed.



What is the supply voltage of the solenoid?



Does the solenoid use the line pressure from the valve to control the opening and closing of the valve or does the solenoid use an independent pressure source to control the valve? If the solenoid uses line pressure, proceed on.

Does the solenoid energize to open?

Line pressure is directed through the solenoid to the upper diaphragm chamber, closing the valve. Activating the solenoid vents the upper diaphragm chamber, allowing the valve to open.

Does the solenoid energize to close?

Line pressure is directed through the solenoid (solenoid energized) to upper diaphragm chamber, closing the valve. Deactivating the solenoid vents the upper diaphragm chamber, allowing the valve to open.

**Finally, please explain the application the valves are being used. What is the media running through the valves? What is the temperature? Etc?**