KLC - *High Pressure Skid Application*

Optimum Performance on a HI-Pressure Pumping Skid requires.....

..... modulating the flow through the skid mounted filters in coordination with the variable flows from the high pressure pumps.
..... maintaining the desired level in the clean tank and providing a constant head on the pump's suction.
..... consistent overflow to effectively remove tramp oil in waterbased coolants or to provide better heat dissipation for oils.

The KLC does that for you!

Why Proportional Flow Control is much better than typical ON/OFF control

Providing only the required flow at all times .....
..... eliminates pulsing which could shorten the life of the skid mounted filters.
..... significant savings in labor and filter elements.
..... offers consistent coolant clarity to protect the high pressure pumps.

Minimizes and stabilizes flow from the main filter system which.....
..... prevents excessive flow from the main filter and reduces overall operating costs.
..... eliminates surges and undue pressure drops in the main header which could adversely affect other operations.
..... removes unnecessary burden on the main system.

The KLC does that for you!

Features that make the KLC your best choice:

The KLC is NOT dependent upon the coolant flow to hold its position. It uses a very simple concept to reliably operate in the most rigorous environments.

- Does not require any electrical connections, sensors or controlled devices.
- Use simple plant air to modulate the valve by continuously sensing the variation in liquid level.
- Requires very little space for the sensing probe. No need to have clearance for a moving ball or linkage.
- Sensing probe is not victimized by contaminate build up that fouls ball floats.
- Does NOT depend on coolant flow or pressure for its "feed back signal." Therefore, it is free from the handicaps which typically exist when a water base coolant is used as a pilot fluid.
- Compact design, 8"x8"x8", requires little space and will fit in any location.
- Works with any type of diaphragm or cylinder-spring return actuator/valve.
- High/Low Alarm relays are very easy options for added control.
- Actuators requiring over 35 psi can be controlled with the KLC-High Pressure Model.

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See Flip-Side for more information

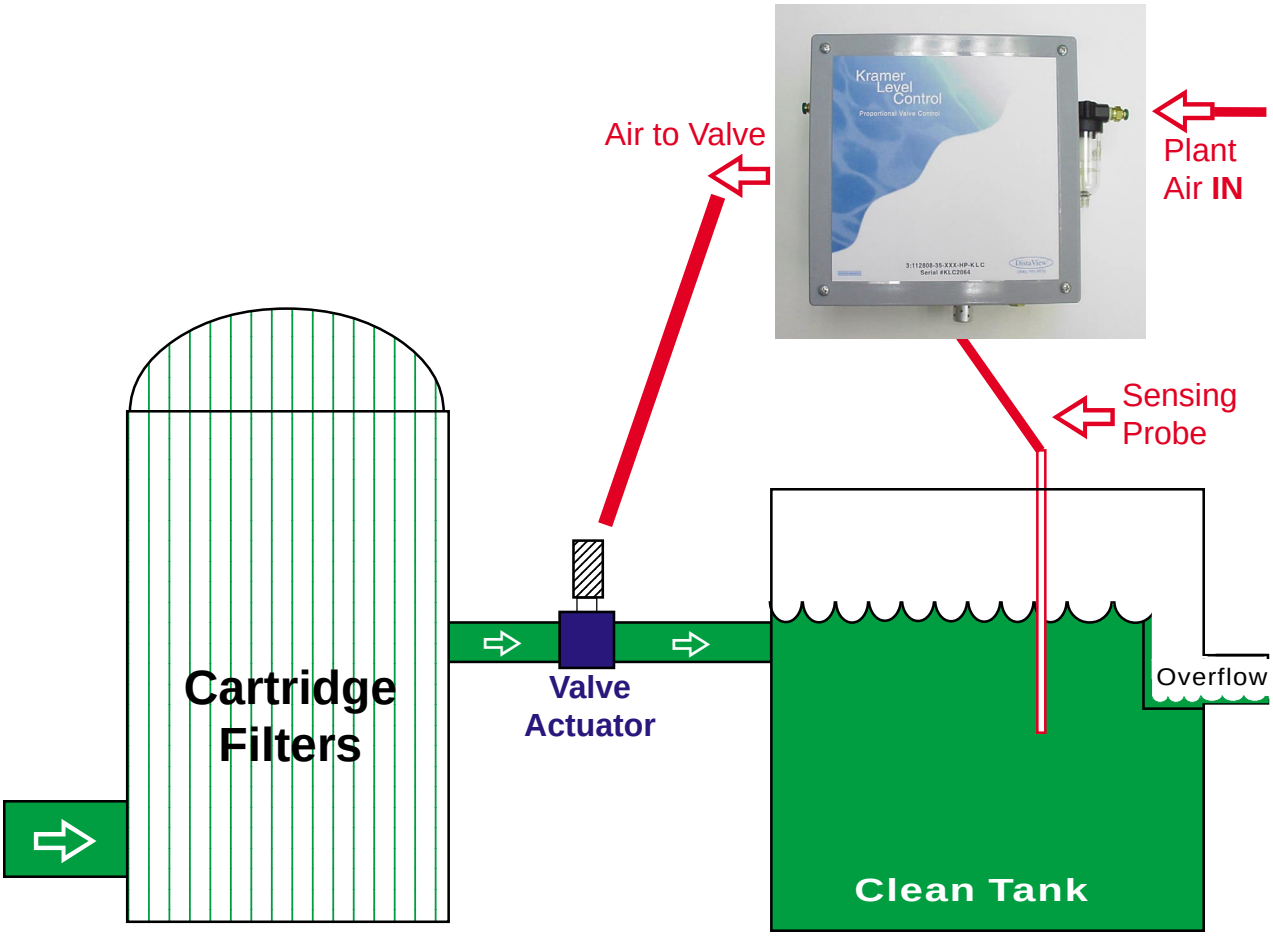
Installing the KLC Flow control is a simple 4 step process.

1st: Mount the control unit to the wall with two screws. It's 8"x8"x8".

2nd: Mount the 1/2" diameter sensing probe in the clean tank. You can choose to have a continual overflow out of the clean tank or you can easily move the probe down so the level stays a couple inches below the overflow.

3rd: Mount the valve/actuator. Any type of valve and pneumatic actuator can be used - typically a cylinder with spring return or diaphragm actuator suitable for the required flow.

4th: Connect plant air to the KLC Input, from the output to the valve and to the sensing probe.



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