

For Model No. 735-x918-38, 780-x98-68, 860-x9-38 w/ SafeGard Adjustment Range: 25" - 650"

If no preset value is specified, the SafeGard will limit output to approximately 50" water column (1.8 psi)

For Model No. 735-x918-48, 780-x98-78, 860-x9-48 w/ SafeGard Adjustment Range: 650" - 1750"

If no preset value is specified, the SafeGard will limit output to approximately 650" water column (23.5 psi)

ADJUSTMENT PROCEDURE

Equipment Required

- 1/8" hex key (Allen wrench)
- Needle valve (adjustable regulating valve)
- Tee fitting
- 3 feet of poly tubing (1/4" OD)
- 35-50 psig compressed air supply

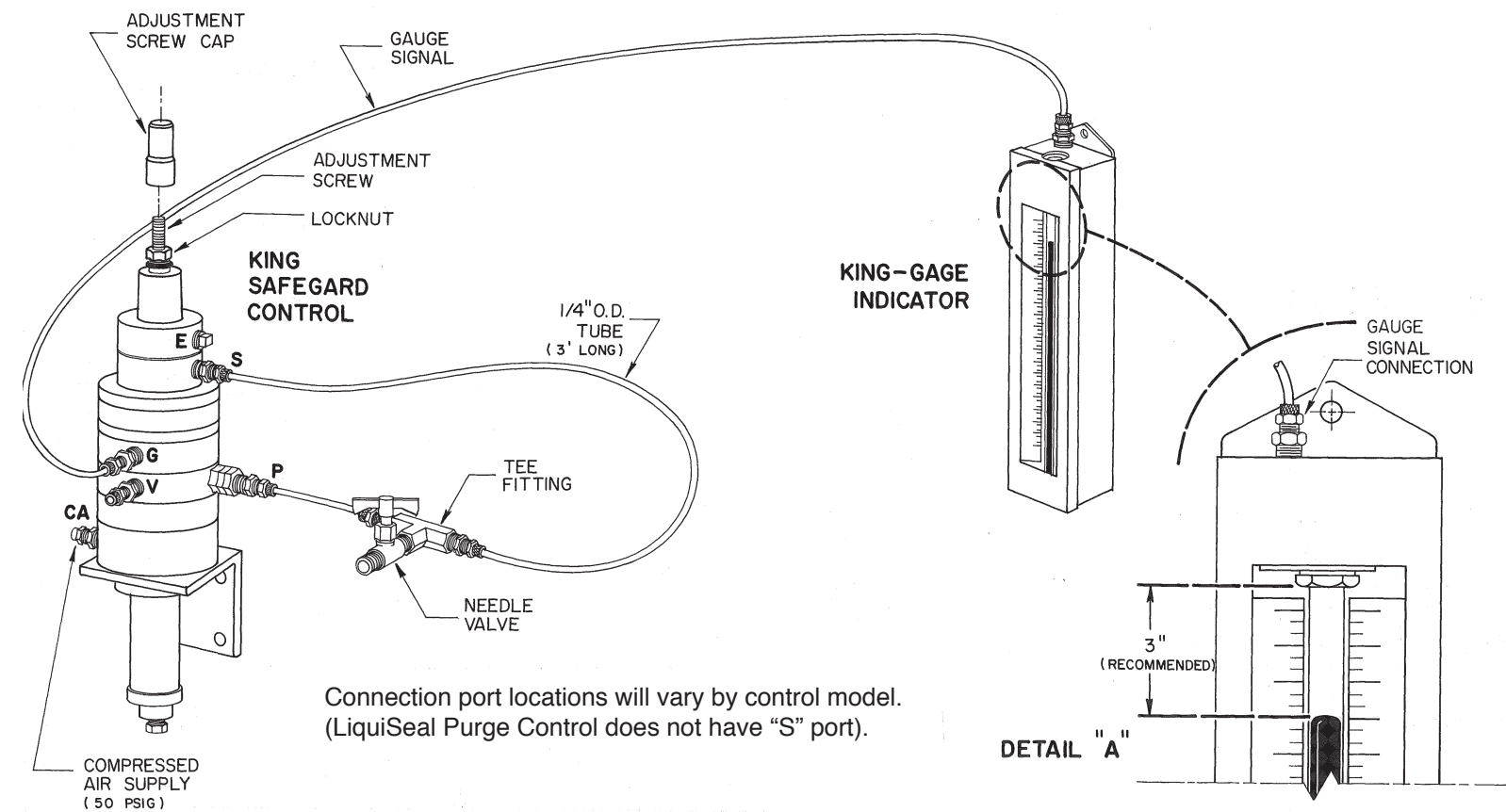
1. Connect the tubing, tee fitting and needle valve as shown between the "P" port and "S" port of the control unit with SafeGard. A minimum length of 3 feet of tubing helps to build the pressure more slowly to allow for easier adjustment. (LiquiSeal Purge Control -- connect length of tubing to the "P" port and install needle valve at the end of the tubing.)
2. With the needle valve fully open, connect the compressed air supply to the "CA" port (50 psi is optimal supply for the adjustment procedure).
3. Remove the adjustment screw cap from the top of the SafeGard control (see illustration). Loosen the locknut and unthread the adjustment screw (using a hex key) until it turns freely and no resistance from the internal spring is felt.
4. If an indicator is connected to the "G" port of the control unit, there should be no visible reading. If there is a reading, momentarily disconnect the tubing at the "G" port to relieve any trapped pressure.
5. Slowly close the needle valve to increase pressure while watching the indicator reading. This should test whether the SafeGard valve is closed. Unthreading the adjustment screw in the previous step was meant to close this valve.
6. Next, open the needle valve completely to relieve all pressure. Slowly tighten the adjustment screw on the SafeGard until you feel some resistance from the internal spring, then make an additional 1-2 turns of the screw.
7. Slowly close the needle valve to increase pressure while watching the indicator reading. (It is best to slowly throttle the needle valve so that pressure builds slowly.) Note the point at which the indicator reading stops increasing. Open needle valve to relieve the pressure.

To increase the SafeGard setting – tighten the adjustment screw an additional 1-2 turns and repeat the previous step.

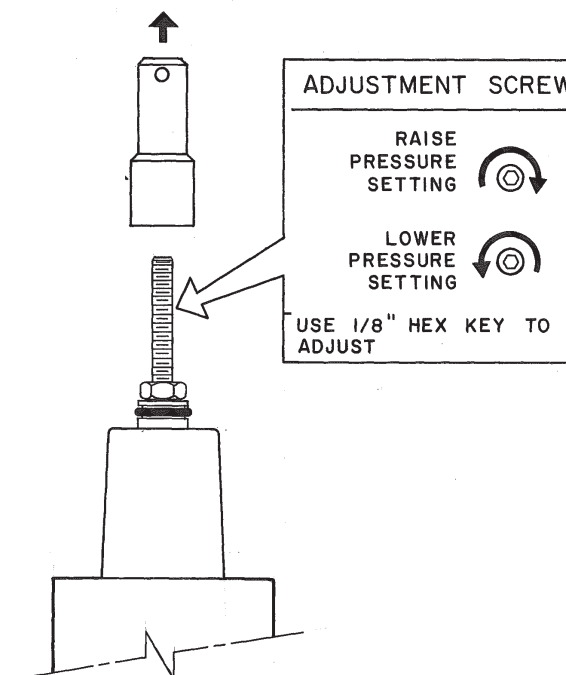
To decrease the SafeGard setting – unthread the adjustment screw one complete turn and repeat the previous step.

8. When the indicator reading stops at the desired level, secure the locknut. Reinstall the adjustment screw cap when finished.

Once the SafeGard is adjusted to the desired setting, place the unit into service using the installation instruction sheet supplied with the Control Unit



Connection port locations will vary by control model. (LiquiSeal Purge Control does not have "S" port).



IMPORTANT! Regarding Control Units Equipped with SafeGard Overpressure Option

SafeGard equipped control units incorporate a pressure limit regulator to prevent application of pressure above the range of an indicator (or other receiver). The SafeGard setting can be adjusted to regulate the allowable gauge output pressure. Once the pressure reaches the adjustment setting, a valve closes and prevents any pressure above the limit to be output from the control. Typical operating tolerance is ± 3 " water column (± 0.1 psi)

INSTALLATION INSTRUCTIONS

SafeGard Setting Pressure Limit Adjustment

		DATE	7/29/2011
		DRAWN BY	M Services
A	7/11	Released	APPROVED

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DWG. NO.
K-2000-1-500

SHEET 1 OF 1
REV. **A**