



# Technical Bulletin

Place a copy of this bulletin in the front of each Blueprints Manual.  
 Redline drawings as needed and include a TB reference note.  
 Reference TB implementation on site Action Item Box-chart and/or  
 site tool history management log.

**Number:** 067b  
**Date Issued:** 07/30/08  
**Expiration Date:** None

<b>Subject/Key Words:</b>	Electronic flow controllers may be damaged and may not zero if over-pressurized.			
<b>Classification:</b>	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> PM Impact
	<input checked="" type="checkbox"/> Warranty Impact	<input type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___ / ___ / ___. Reference this TB# when ordering NC parts.	
<b>Parts/Reference Documents:</b>	226954-001 0-125 ml/min, 226947-001 0-250ml/min, 226948-001 0-500 ml/min, 215768-001 0-40 lpm Applies to series 6500 and 6501 All tool-specific facilities drawings (DI water supply pressure = 45 - 55 psi)			
<b>Revision History</b>	TB O67 (11/07/07) and TB 067a (02/18/08) are replaced by TB 067b			

## **ISSUE/SYMPTOM:**

Excessive facility pressure to the flow meters can cause zeroing errors or inaccurate readings. The flow controllers are used in GAMA i-Clean tanks, GAMA G+ tanks, and some V3 process tanks.

**SOLUTION:** Set facility water and air pressures according to Akrion recommendations. Follow the guidelines below.

### **For GAMA i-Clean and G+ Tanks:**

1. Set facility DI water pressure to 45 - 55 psi. If applicable, set CDA pump pressure at or below 50 psi.
2. Set chemical parameter "PV Pressure Setpoint" to 55 psi maximum. (Lowered from previous max of 60 psi.)
3. In conjunction with lowering PV Pressure Setpoint, the minimum differential between injected chemical pressure and DI water stream pressure has been reduced from 10psi to 5psi.  
*Example: If PV Pressure Setpoint = 50 psi, adjust the DI water stream pressure to a maximum of 45 psi.*
4. In GAMA software release 6.06.005, software parameter "PV Pressure Setpoint" is reduced to a maximum of 55 psi. "PV Pressure Setpoint" is now documented in Appendix 1 of the Software Manual (rev 06/08 and later).



### **For V3 Tanks with Flow Controllers:**

1. Set facility DI water pressure to 45 - 55 psi. If applicable, set CDA pump pressure at or below 50 psi.
2. On Akrion V3 tools, the Pressure Vessel pressure is not a software controlled feature. It must be set manually. PV pressure must not exceed 55psi on V3 Tools.

If you have technical questions or require more information, please contact Akrion Technical Support Department via e-mail at [techsupport@akrion.com](mailto:techsupport@akrion.com). Authorized service personnel can obtain copies of the latest Akrion procedures and controlled documents from the Akrion Document Control department at [doccontrol@akrion.com](mailto:doccontrol@akrion.com). Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1AC)