



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: 035
Date Issued: 01/07/04
Expiration Date: 01/07/05

Subject/Key Words:	LuCID Dryer MFC Failure Interim Fix			
Classification:	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input type="checkbox"/> PM Impact
	<input type="checkbox"/> Warranty Impact	<input checked="" type="checkbox"/> Purchase Parts	<input type="checkbox"/> No Charge For Parts expires ___/___/___. Reference this TB# when ordering NC parts.	
Applicable Akrion Procedures:	OP0617 (MFC Setup Procedure)			
Parts/Reference Documents:	Needle Valve Kit # 225635-001 Akrion Drawing with Install instructions # 225635 (Included with kit)			
Attachments:	N/A			

Issue: Failure of a Mass Flow Controllers (MFC) will result in a “Bench Down” condition until a new MFC can be installed.

Test/Validate: Confirm MFC functionality via setup per procedure OP0617.

Symptoms: The following symptoms may be seen while performing OP0617:

- The MFC will not Zero
- The MFC display shows a negative number
- The MFC will no longer control N2 for IPA canister resulting in no or insufficient IPA to the Dryer (I.E. Poor Process results, wafers not drying, particles etc.)

Solution: Due to lead time constraints, Akrion has created an Interim kit as a temporary “work around solution” until a new MFC is received. The kit includes a needle valve, associated tubing, and installation instructions and can be ordered via **Akrion Part # 225635-001**
NOTE: Akrion does not recommend that this Needle Valve Kit be used as a permanent solution. The kit should be replaced with a new MFC once the MFC arrives on site and has been functionally tested. The Needle Valve Kit should be saved for possible future use.

If you have technical questions or require more information, please contact Akrion Technical Support Department via e-mail at 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. Customers must direct all inquires to their local Akrion field service representative. (Form QA1656F1AC)