



# 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.
- Document TB implementation schedule request and completion:

**TB Number:** 096  
**Date Issued:** Jan. 15, 2014  
**Expiration Date:** None

Date Scheduled \_\_\_\_\_ Date Completed \_\_\_\_\_  
 Completed by (name) \_\_\_\_\_

<b>Subject/Key Words:</b>	Pump failures due to cavitation damage resulting from clogged pump protection filters			
<b>Classification:</b>	<input checked="" type="checkbox"/> Informational	<input type="checkbox"/> Mandatory	<input type="checkbox"/> Safety Alert	<input checked="" type="checkbox"/> Preventive Maintenance 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.	

<b>Issue:</b>	Pump failures due to cavitation damage resulting from clogged pump protection filters		
<b>Symptoms:</b>	Chronic pump rate low or high alarms, degraded process results		
<b>Cause:</b>	Clogging of pump protection filters: can occur after wafer breakage events, and resulting from phosphoric acid thermal cycling typically experienced during tank change-out.		
<b>Solution:</b>	To optimize pump life and operation – follow these Preventive Maintenance schedules: (When possible clean the filter by disassembling and flushing. Filter units that cannot be disassembled/separated must be replaced)		
	<b><u>Protection filter Application</u></b>	<b><u>Service Task</u></b>	<b><u>Service Interval (PM Cycle)</u></b>
	After any wafer breakage	Inspect/clean/replace	Subsequent to every event
	Processes not using chemical filters	Inspect/clean/replace	Monthly
	Processes with in line chemical filters	Inspect/clean/replace	Quarterly