



# UFS Corporation

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## Service Reference

### Topic: Troubleshooting - Standard Cell Circulation Systems

Please read all the instructions listed below carefully to familiarize yourself with the project before attempting to perform any of the work or unpacking any further.

Problems can arise at anytime. Please use this listing by first focusing on the left hand column, then moving to the middle column to further define the possible problem. Consider each one of these causes carefully. At this point, its time to move to your ED system and investigate each of the causes. Testing is sometimes necessary. It is good practice to try to isolate the most likely causes in order to reduce your testing. Finally, move to the right hand column to see the appropriate remedy.

Problem	Possible Cause	Remedies
Leaking DI solenoid valve	<ul style="list-style-type: none"> <li>- High inlet pressure</li> <li>- Leaking from underneath solenoid</li> <li>- Manual control is open</li> <li>- Lose flange bolts</li> <li>- Cracked poly body</li> </ul>	<ul style="list-style-type: none"> <li>- Reduce inlet pressure to below 80 psi</li> <li>- Make sure solenoid is properly seated &amp; secured</li> <li>- Manual over ride lever is not full counterclockwise as viewed from discharge</li> <li>- Tighten 4 bolts as required</li> <li>- Re-order PN 360035 (110 VAC)</li> </ul>
Low flow or low pressure	<ul style="list-style-type: none"> <li>- Pump has lost prime</li> <li>- Pump is rotating backwards</li> <li>- Strainer is full</li> </ul>	<ul style="list-style-type: none"> <li>- Re-prime pump and restart</li> <li>- Confirm pump motor rotation is correct</li> <li>- Open strainer and clean</li> </ul>
Malfunctioning Conductivity Controller	<ul style="list-style-type: none"> <li>- Conductivity sensor is dirty</li> <li>- Conductivity sensor is in air pocket</li> <li>- Fuse is blown</li> <li>- Set point has been changed</li> <li>- Other matters</li> </ul>	<ul style="list-style-type: none"> <li>- Inspect and clean as required</li> <li>- Relocate to avoid trapped air</li> <li>- Check fuse condition and replace if required.</li> <li>- Refer to Myron L manual paragraph 3.3.2</li> <li>- Refer to Myron L manual for more trouble shooting assistance</li> </ul>
Low tank level	<ul style="list-style-type: none"> <li>- Low tank level sensor malfunction</li> <li>- Piping break</li> <li>- Drain valve is open</li> </ul>	<ul style="list-style-type: none"> <li>- Confirm that contact are NC when float is up and NC when the float is down</li> <li>- Electrolyte is being lost due to a pipe break</li> <li>- Insure drain is closed</li> </ul>
Pressure gage not	<ul style="list-style-type: none"> <li>- Gage guard is missing</li> </ul>	<ul style="list-style-type: none"> <li>- Replace with a new gage and</li> </ul>

working		gage guard (i.e. diaphragm) assembly. Do not try to assemble guage and guard yourself without help from qualified gage shop technician
Tank does not fill when DI Water switch is depressed	<ul style="list-style-type: none"> <li>- Power not reaching solenoid</li> <li>- Solenoid valve is not working</li> </ul>	<ul style="list-style-type: none"> <li>- Check wiring &amp; fuses</li> <li>- Inspect solenoid valve</li> </ul>
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**For more information** see the original manual that came with the equipment or call UFS at the phone number shown above.