



## Water flow rate problems troubleshooting

When you come up with problems due to low or inexistent water flow rate the following info could help:

Possible reason	Possible solution
<b>Clogged water filters (including filters of the water pressure regulators)</b>	<ul style="list-style-type: none"> <li>Ensure the water filter, fitted into the water pressure reducer of the water circuit (usually named "RF..."), is clean. Whenever too much dirt settles on the filter's net, the pressure reducer is no longer able to guarantee the necessary water flow rate on the water circuit. You should check and eventually clean it (read <a href="#">more</a>)</li> <li>Ensure the water filters of the water circuit are clean. Remove the metal net from the body of the filter and eventually clean it (read <a href="#">more</a>).</li> </ul>
<b>Back pressure in the factory drains</b>	<ul style="list-style-type: none"> <li>Eliminate the source of pressure in the factory drains (<u>avoid any backpressure like for instance upward drain pipes</u>)</li> </ul>
<b>Obstructed or undersized factory drains</b>	<ul style="list-style-type: none"> <li>Clean up factory drains</li> <li>Shorten drain pipes or widen their diameter</li> </ul>
<b>No-return valve blocked</b>	<ul style="list-style-type: none"> <li>Inspect or replace no-return valve(s)</li> </ul>
<b>Obstructed unit under test</b>	<ul style="list-style-type: none"> <li>Change the unit under test or by-pass it</li> </ul>
<b>Air trapped in the water circuit</b>	<ul style="list-style-type: none"> <li>Pump doesn't start because air trapped in the water circuit has activated a level probe. Make sure air vents are open.</li> <li>Water flow meter incorrect reading might be a consequence of air trapped in the circuit: repeat the filling operations and check that air vent is open</li> </ul>
<b>Pneumatic valve(s) doesn't commute</b>	<ul style="list-style-type: none"> <li>Read <a href="#">Pneumatic valves troubleshooting</a></li> </ul>
<b>Proportional valve problem (when applicable)</b>	<ul style="list-style-type: none"> <li>Read <a href="#">Siemens MXG proportional valves troubleshooting</a></li> <li>Read <a href="#">Samson proportional vales troubleshooting</a></li> <li>Read <a href="#">How can I clean a Samson proportional valve?</a></li> <li>Contact <a href="#">Microplan Support</a>.</li> </ul>



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<p><b>Water flow meter problem</b></p>	<ul style="list-style-type: none"> <li>In case of Siemens MAG water flow meters two triangles flashing on the display indicate an error. Report this error to <a href="#">Microplan Support</a></li> <li>Read <a href="#">Sensors – transducers problems troubleshooting</a></li> <li>Read <a href="#">Troubleshooting water flow meters with no flow</a></li> </ul>
<p><b>Pump doesn't work (when applicable)</b></p>	<ul style="list-style-type: none"> <li>Read <a href="#">Pump troubleshooting</a></li> </ul>
<p><b>Water pipes partially blocked</b></p>	<ul style="list-style-type: none"> <li>Contact <a href="#">Microplan Support</a></li> </ul>
<p><b>Insufficient water inlet pressure</b></p>	<ul style="list-style-type: none"> <li>Increase water inlet pressure (read <a href="#">Pressure reducers setting instructions</a>)</li> <li>Read <a href="#">Water pressure problems troubleshooting</a></li> </ul>
<p><b>Inlet water pressure regulator fully closed or broken</b></p>	<ul style="list-style-type: none"> <li>Turn the knob to open the water pressure regulator and check that pressure increases in the associated manometer</li> <li>Replace the broken water pressure regulator</li> </ul>
<p><b>Manual or gate valves closed (when applicable)</b></p>	<ul style="list-style-type: none"> <li>Locate manual and gate valves along the piping and check that they are open</li> </ul>

