



## 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 (avoid any backpressure like for instance <a href="#">upward drain pipes</a>)</li> </ul>   |
| <b>Factory drains are not clean</b>   | <ul style="list-style-type: none"> <li>Clean up factory drains</li> </ul>  |
| <b>Manual or gate valves closed (when applicable)</b>                             | <ul style="list-style-type: none"> <li>Locate manual and gate valves along the piping and check that they are 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>   |
| <b>Water flow meter problem</b>   | <ul style="list-style-type: none"> <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> <li>Read <a href="#">Sensors – transducers problems troubleshooting</a></li> <li>Read <a href="#">Troubleshooting water flow meters with no flow</a></li> </ul>   |
| <b>Pump doesn't work (when applicable)</b>  | <ul style="list-style-type: none"> <li>Read <a href="#">Pump troubleshooting</a></li> </ul>  |
| <b>Water pipes are partly blocked</b>   | <ul style="list-style-type: none"> <li>Contact <a href="#">Microplan Support</a></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>Not enough water inlet pressure</b>  | <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>  |



| Possible reason  | Possible solution  |
|--|--|
| <b>Inlet water pressure regulator fully closed or broken</b> | <ul style="list-style-type: none"><li>• Turn the knob to open the water pressure regulator</li><li>• Replace the broken water pressure regulator</li></ul> |