



## Water pressure problems troubleshooting

Problem	Possible reason	Possible solution
<b>There is no water pressure</b>	1. Water inlet manual valve is closed	1. Open the water inlet manual valve
	2. Water pressure regulator is fully closed	2. Turn the knob of the water pressure regulator to open it
	3. Water inlet pneumatic valve(s) doesn't open during filling operations	3. Read <a href="#">Pneumatic valves troubleshooting</a>
	4. Sensor(s) along the water circuit is damaged	4. Read <a href="#">Sensors troubleshooting</a>
<b>Water pressure is not enough</b>	5. Water inlet pressure of the test bench is set to a low pressure	5. Increase the pressure set on the water inlet pressure regulator (read <a href="#">Pressure reducers setting instructions</a> )
	6. Water inlet flow rate too low due to dirty filter, usually the one of the water pressure regulator	6. Clean the filter ( <a href="#">read more</a> )
	7. Water drain valve of the test bench left open	7. Close the drain valve
	8. Factory water network pressure too low	8. Increase factory network water pressure
	9. Factory water network flowrate too low	9. Increase factory network flowrate
	10. Leakage in the appliance under test	10. Fix/repair the appliance or test a different appliance
	11. Pump problem	11. Read <a href="#">Pump troubleshooting</a>
<b>Cannot reach a high pressure</b>	12. Pressure multiplier problem	12. Read <a href="#">Pressure multiplier troubleshooting</a>
<b>Fluctuating water pressure</b>	13. Influence from other devices connected to the same water network source	13. Separate water supply of the test bench from other uses, or install Microplan's water pressure stabilizer <a href="#">Serpico</a>
	14. Inappropriate settings of PID controls of pump, proportional valve	14. Contact <a href="#">Microplan Support</a>
	15. (When applicable) fault with the I/P converter that controls the water pressure	15. Contact <a href="#">Microplan Support</a>
<b>Water pressure decreases during the test</b>	16. Leakages in the appliance under test	16. Fix/repair the appliance or test a different appliance
	17. Water pressure, during the test execution, is higher than the safety valve limit pressure	17. Reduce the pressure set on the water inlet pressure regulator, or close the manual valve that excludes the safety valve of the test bench (only if the unit under test can withstand a higher pressure)
	18. Flexible hoses deformation	18. Use harder flexible hoses



Problem	Possible reason	Possible solution
<b>Water pressure is too high</b>	19. No-return valve leak	19. Clean or replace no-return valve
	20. Pneumatic valve leak	20. Read <a href="#">Pneumatic valves troubleshooting</a>
	21. Fitting/connection leak	21. Replace gasket/fitting
	22. Too high pressure is set on water inlet pressure regulator	22. Decrease the pressure set on the water inlet pressure regulator (read <a href="#">Pressure reducers setting instructions</a> )
	23. Damaged/broken water inlet pressure regulator	23. Replace the water inlet pressure regulator
	24. Expansion vessel segregated from the process, or broken	24. Ensure that the manual valve next to the expansion vessel is open and in case replace the expansion vessel
	25. Expansion vessel not sized for boilers (appliances) with storage tank	25. Consult <a href="#">Microplan Support</a> to install a suitable expansion vessel in the test bench