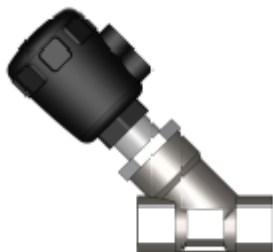




Pneumatic valves troubleshooting



Problem	Possible cause	Possible solution
Pressure drop	Valve leakage	<ul style="list-style-type: none"> Use the diagnostic program to create conditions for a leaking test and cross check the pressure drop against a pressure transducer (or at least a manometer) within the same circuit. A leaking valve needs to be replaced.
Valve doesn't commute (open or close)	The emergency button is pressed or the bench is in emergency mode	<ul style="list-style-type: none"> Ensure safety conditions and reset the test bench
	Compressed air doesn't reach the (electro-valves) pilots manifold [A]	<ul style="list-style-type: none"> Check compressed air inlet to the test bench is at least 5.5 bar Check that the main compressed air manual valve [B] is open Check that the filter-regulation unit [C] at the test bench inlet is set at a 5.5 bar pressure and that the air is present
	The corresponding led on the (electro-valves) pilots manifold [A] doesn't turn on	<ul style="list-style-type: none"> Replace the single electro-valve of the manifold (read more) Contact Microplan Support
	No one of the leds of the (electro-valves) pilots manifold [A] turn on, if activated	<ul style="list-style-type: none"> Contact Microplan Support
	Compressed air doesn't reach the pneumatic valve	<ul style="list-style-type: none"> Check the air pipe [F] between the (electro-valves) pilots manifold [A] and the pneumatic valve [E] Check that the regulation unit [D] for the (electro-valves) pilots manifold is set at a 5 bar pressure and that the air is present Too many pneumatic valves were open when the emergency stop was pressed: enter the diagnostic program, close some pneumatic valves, reset the test bench



Problem	Possible cause	Possible solution
Activating a single valve, more valves are activated simultaneously	Problem with either the electro-valves pilots manifold head (PIL1) or the associated connector/cable [G]	<ul style="list-style-type: none"> Open the electric cabinet of the test bench and verify that a single Digital Output led [H] is lit when the valve is activated. If multiple leds lit, the problem is very likely to be with the Digital Output module, read Wago and Beckhoff electronic modules troubleshooting If the above verification is successful, unplug connector [G] verify its integrity and the unlikely presence of water. Clean, dry and re-plug. In case the problem persists you can replace the entire electro-valves manifold, or just the manifold head (PIL1) read Replacing Metalwork HDM electro-valves head

