

QB COMBO & CPM COMBO FAULT FINDING ON SITE

THE ISSUE EXPERIENCED ON THE SITE	STEPS TO FIND THE CAUSE OF THE ISSUE, OR TO SOLVE THE ISSUE
<p>1 When all fixtures are shut off, the pump does not turn off.</p>	<ul style="list-style-type: none"> Retest after closing the valve that is directly attached to the pump's outlet side. Verify the piping between the pump and the fixtures for leakage.
<p>2 The reset button on the flow controller has to be pressed to switch the pump on every time the pump switches off. The tank has adequate water.</p>	<ul style="list-style-type: none"> Adjust the screw at the top of the flow controller so that the cut-in pressure (the pressure at which the pump switches on) is lower than the cut-out pressure (the pressure at which the pump switches off). Turn this screw counter-clockwise, toward the minus sign.
<p>3 The pump only switches on when there is almost no pressure in the fixture.</p>	<ul style="list-style-type: none"> Adjust the screw at the top of the flow controller so that the cut-in pressure (the pressure at which the pump switches on) is higher than before. It is recommended to leave at least a 1bar difference between the cut-in pressure and the cut-out pressure (this is the pressure at which the pump switches off)
<p>4 The pump indicates "failure" and does not turn on when a fixture is opened.</p>	<ul style="list-style-type: none"> Examine the water supply tank to see if it is or was empty. Remove the air from the pump casing and push the flow controller's "reset" button.
<p>5 The pump continuously cycles on and off, with a few seconds or minutes delay in between each cycle.</p>	<ul style="list-style-type: none"> Check for leaks in the plumbing between the pump and the fixtures.
<p>6 When the pump starts or runs, the circuit breaker trips.</p>	<ul style="list-style-type: none"> Confirm that the circuit breaker rating is correct according to the pump size Look for any traces of water that could cause a short circuit in the motor. Check all electrical connections for short circuits and exposed wires.
<p>7 The pump was quiet when it was first installed, but it then began to produce a loud noise.</p>	<ul style="list-style-type: none"> Examine the motor for any signs of water that can damage the bearings.
<p>8 When the pump should start, it makes a humming noise and vibrates slightly, but the fan doesn't turn and the pressure in the fixtures is low</p>	<ul style="list-style-type: none"> Ensure that the motor turns freely by hand after the power is switched off.
<p>9 The flow controller's "On" light is illuminated. The pump doesn't turn on.</p>	<ul style="list-style-type: none"> Examine the electrical cable and electrical connections between the flow controller and the motor.
<p>10 No lights are illuminated on the flow controller. The pump doesn't turn on.</p>	<ul style="list-style-type: none"> Examine the electrical cable, electrical connections and protection equipment between the power supply and flow controller. Ensure that other electrical equipment turns on when plugged into the same outlet as the pump.

