



TROUBLESHOOTING GUIDE

AUSTRALIAN BUILT FOR TOUGH AUSTRALIAN CONDITIONS

ISSUE	ITEMS TO CHECK
	Ensure your controller settings are correct as power spikes can reset to default. Check your controller manual. Remove filter bowl and briefly start pump to check flow.
No Pressure	Check your filters Check Reg Valve has power Check Reg Valve is opening & closing by either listening or watching. Apply separate 12v DC power source to reg valve wires. This will isolate from controller & cables. Disconnect reg valve power for 30 sec as it has a reset fuse built in. Reverse the polarity of red & black wires on reg valve eg red to black. If you remove the reg valve motor from the shaft, make sure the paint marks are aligned when in the off position.
No Speed	Check Speed Sensor Cable for cuts or breaks Check Speed Sensor is plugged in Check Magnets are in place Check the LED light in the end of the sensor when the magnet passes. Check the sensor is correct distance from the magnets 3 - 10mm
No Hectares	See above as speed sensor Check width setting in controller
No L/Min	Check pump is pumping liquid Check flowmeter cable for cuts etc Check flowmeter is not stuck or restricted. Flush flowmeter with clean water, it should spin freely when blown through
Tank Output Different To What Has Been Sprayed Out	If controller is saying too high – increase flow meter calibration by that % If controller is saying too low – decrease flow meter calibration by that %
Cant Adjust Flow Manually	Check Reg Valve has power Check Reg Valve is opening & closing by either listening or watching. Apply separate 12v DC power source to reg valve wires. This will isolate from controller & cables. Disconnect reg valve power for 30 sec as it has a reset fuse built in. Reverse the polarity of red & black wires on reg valve eg red to black. If you remove the reg valve motor from the shaft, make sure the paint marks are aligned when in the off position.
Spraying Stops While in Auto Mode	Check flowmeter is not stuck or stalled. The flowmeter might be stalled due to reg valve shutting.



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Not Regulating in Auto Mode	<p>For Teejet Controllers: check that D is not displayed on screen as the rate controller will malfunction. Turn master key off. To remove the D, press the PRO key twice so PRO is displayed. Press auto/manual which should remove the D. Press and hold PRO key until PRO is not displayed on screen.</p> <p>Ensure controller is in Auto Mode.</p> <p>Check speed sensor</p> <p>Check regulating valve</p> <p>If you are using 1 or 2 sections and going slow, some flowmeters wont operate below 10L/min. You might have to operate in manual mode.</p>
Console wont turn on, it just clicks	<p>Dead short in electrical cables</p> <p>Disconnect sensor cables to isolate short.</p>
Other Electrical Faults	<p>Check 15 amp fuse at battery</p> <p>Check 60 amp maxi fuse at battery</p> <p>Ball valves have an internal resettable fuse, disconnect all three wires for 30 sec</p> <p>Check wiring harness</p> <p>Check pins in deutsch plugs</p> <p>Make sure settings in controller are correct</p>
Hydraulic Functions	<p>Ensure hydraulics are connected to the correct port.</p> <p>Ensure Hypro is connected to a free flow return.</p> <p>Wiring plugs on solenoid valves (Hirschmann plug) can be swapped from one to another to determine if fault is hydraulic or electrical.</p> <p>Check if power is getting to Hirschmann plug with a multimeter.</p> <p>Check for a quiet click when solenoid is activated.</p> <p>If solenoid is faulty, it can be swapped with another.</p> <p>Hydraulic function can be activated manually by pushing a small screwdriver into the poppet on either end of spool valve in the middle of the cap. This will manually open or close the solenoid valve.</p>