



Electronic Spark PowerVent Troubleshooting Table

lit	<ol style="list-style-type: none"> 2. Main burner orifice clogged 3. Main burner supply tube clogged or pinched 4. Improper venting 5. Poor flame rectification 	<p>Clean or replace Clean, repair or replace</p> <p>Check venting for proper sizing and down drafts Check that pilot flame covers the flame rod and is steady and blue</p>
Scale on burner and pilot assemblies	<ol style="list-style-type: none"> 1. Condensation 2. Contaminated atmosphere 	<p>Excessive condensation caused by undersized heater, poor venting or continued use Check for contaminant causing chemicals near the heater</p>
Sooting	<ol style="list-style-type: none"> 1. Combustion air inlets or flueway is restricted 2. Not enough combustion or ventilation air supplied to room 3. Improper gas pressure 4. Burner orifice dirty 	<p>Remove obstruction or debris from heater or flueway Improve combustion air or ventilation air supply Check and adjust Inspect and clean</p>
Yellow flame	<ol style="list-style-type: none"> 1. Scale on top of burner 2. Burner orifice dirty 3. Flue way clogged 4. Improper gas pressure 5. Not enough combustion or ventilation air supplied to room 	<p>Shut off heater; allow to cool; clean burner plate Inspect and clean Inspect and clean Check and adjust Improve combustion air or ventilation air supply</p>
Burner flame noisy (whistling)	<ol style="list-style-type: none"> 1. Improper gas pressure 2. Burner orifice dirty 	<p>Check and adjust Inspect and clean</p>
Burner flame floats	<ol style="list-style-type: none"> 1. Improper gas pressure 2. Wrong orifice 3. Clogged flue 	<p>Check and adjust Install correct orifice Inspect and clean flue way</p>
Burner flame too high	<ol style="list-style-type: none"> 1. Improper gas pressure 2. Wrong orifice 	<p>Check and adjust Install correct orifice</p>
Water too hot	<ol style="list-style-type: none"> 1. Thermostat setting too high 2. Thermostat out of calibration 	<p>Adjust thermostat to lower setting Check and replace thermostat</p>
Slow hot water recovery	<ol style="list-style-type: none"> 1. Burner orifice clogged 2. Excessive drafts 3. Clogged flue 4. Improper gas pressure 	<p>Check and clean Locate and eliminate drafts Clean flue chamber Check and adjust</p>
Noisy water heater (rumbling and sizzling)	<ol style="list-style-type: none"> 1. Scale or sediment build up in bottom of tank 2. Baffles loose 3. Condensation on main burner 	<p>Clean tank</p> <p>Reset and tighten Inspect for condensation (normal) and tank leaks</p>
Excessive relief valve operation	<ol style="list-style-type: none"> 1. Excessive water pressure 2. Excessive temperature 	<p>Install proper pressure reducing valve on cold side. Check for open or closed system. Install expansion tank. Check thermostat; lower setting or replace</p>

Rusty or black water	1. Anode rod dissolved	Check anode rod and replace
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	2. Excessive sediment build-up	Drain tank; replace tank if sediment build up is excessive
Water heater is leaking	1. Cold in or hot out joints 2. T&P valve 3. Inner tank has a pin hole	Check joint and repair Check valve and replace Replace water heater
Smelly water (rotten egg odor)	Bacteria formation inside water tank	Clean tank using chlorine bleach Replace anode rod if deteriorated Add automatic chlorine feeder to cold water inlet side of tank
Milky water	Aerated water	Allow a glass of hot water to set for a few minutes. If the water turns clear, the condition is a natural occurrence. See water chemistry section.