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■ HVAC Controls ■ Electric Actuators ■ Actuated Valves
■ Humidifiers ■ Electric Heaters

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What's the Problem?!

SKR Troubleshooting Issues With the Fill and Drain

Some of our customers are having this issue: their SKR unit has been working perfectly for several years and suddenly it's filling and draining constantly without producing steam.

There are several possibilities that could cause this.

Water level sensors: Incorrect wiring could cause a malfunction.

- On top of the water level sensors, verify that the longest sensor is connected to the white wire and the shortest sensor to the orange wire.
- Verify that none of the water level sensors (brass rods) are touching the edge of the clear tubing.
- Verify that the water level sensors are cleaned. Use sand paper to clean the sensors if there is scale on them.



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Water fill valve: If too little water is supplied to the humidifier, it will not be able to drain properly.

- Verify that the strainer underneath the fill valve is not obstructed. Clean strainer if required.
- Verify that the water supply to the unit has good flow and pressure. Ensure that the water valve (outside the unit) on the supply is fully open.
- Verify that the water supply valve inside the humidifier provides good flow when it's powered. Replace the valve if required.



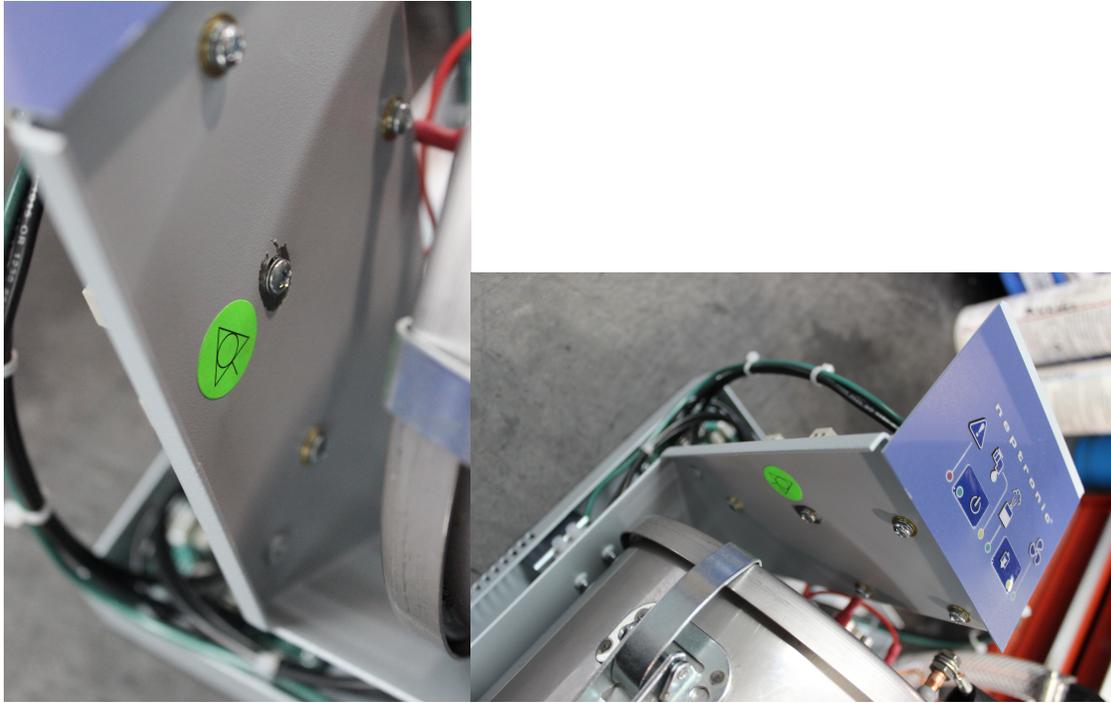
Water piping and evaporation chamber: Scale accumulation can restrict the flow of water. Regular maintenance is required to ensure proper operation of the humidifier.

- Remove the scale from the evaporation chamber if required.
- Verify that the water supply piping assembly is free of scale.

Main PC board and the ground screw: Without a good reference to ground, the water level sensors will not provide an accurate reading.

- The main PC board is secured to the humidifier cabinet with six screws located underneath the PC board. One of the middle screws is a ground screw, there is a green label with the ground symbol next to the screw, and it must be touching the bare metal. Please verify that the ground screw was not removed and it must have good contact with the bare metal, remove more paint if necessary.
- Verify that the ground wire (green) on the top of the lid of the evaporation chamber is properly secured to the lid.

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If the issue has not been solved after these verifications, then please do not hesitate to contact us for further assistance.

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