Check the interior of the machine and remove any foreign material.

Check the scrap screens, baffles and curtains – make sure that they are installed and positioned properly.

Close the tank drain(s). Door activated. Check for proper seal.

Turn the main power on at the breaker panel or fused disconnect switch.
- Machine main power.
- Electric booster main power (if applicable). Gas booster powered up (if applicable)

Flip the Power Switch on the front of the Control Cabinet to the "ON" position.
- The power switch light will illuminate.
- The machine will begin to fill with water.

Allow the machine to completely fill with water.
- The water will shut off automatically and the heat will energize when full.
- Check for proper water level (water level should be even with center of top float ball).

Check for leaks and take corrective action if required.
- Pumps, seals (check during operation and setting idle)
- Valves
- Tank Seams
- Drains
- Detergent and rinse aid dispensers (supplied by others)

Monitor the tank thermometers for the proper temperature reading.
- Allow sufficient time for the tank heat to reach operating temperature.
  - Prewash 120° - 140° (no heat)
  - Wash 160° - 180° (single tank machines)
  - Wash 150° - 170° (two tank machines)
  - Power Rinse 165° - 180° (two tank machines)
  - Dual Rinse 165° - 180° (if applicable)
- Adjust the thermostat setting, if necessary.

Press the GREEN start button on the front of the control cabinet.
- The Drive and Pump(s) will not start until a rack is placed in the load end of dish machine.
- Check the pump/drive start lever inside machine. Pushing lever should start pump(s) and drive when rack is placed inside load end of dish machine.

Check door safety switch by opening door; machine should shut down. Push Green button and place rack in load end of dish machine to re-start.

Check for proper rotation of each pump and drive motor. Drive motor has arrow to indicate proper rotation. Pump motor rotates clockwise when viewed from the rear of motor.

- If all the motors are phased at the factory. (2) If the incoming power supply has a high leg, the high leg should be connected to L3 at the dish machine’s main terminal block.
  - If all the pumps and drive motors are incorrect:
    - Reverse wires L1 and L2 on the disconnect switch side of the main electrical terminal block, located inside the control cabinet.
Check the anti-jam drive system (Factory set)
  • If need adjusting:
    1. Have a person of average build (about 185lbs) hold the rack with both hands and pull against the direction of travel. The conveyor should stop using maximum force.

Check the Energy Sentinel (idle pump shut-off) by placing a dish rack on conveyor.
  • The drive conveyor and pump(s) will start as the dish rack enters the tunnel of the machine.
  • Check pump motor rotation. CW when viewed from the rear of motor.
  • The drive motor and pump(s) will time out when rack exit machine, (90 seconds)

Check the final rinse temperature as the dish rack enters the final rinse area.
  • The final rinse temperature must be 180° - 195° F.
  • Adjust the temperature of the incoming water supply, if necessary.
  • Adjust the booster thermostat setting if necessary.

Check the final rinse water pressure as the dish rack enters the final rinse area.
  • The final rinse pressure must be 20-22 PSI flow pressure
  • Adjust the pressure reducing valve setting, if necessary.
  • Check the incoming water line strainer, clean if necessary.

Check that the pump(s) stop when object exits the tunnel of the machine.
  • The time is controlled by the circuit board, non-adjustable, and set for 90 seconds. (Rack must clear exit end of machine before drive and pump(s) shut-off.)
  NOTE: If the pump(s) does not time out properly, check the idle-pump start switch at load end.

Check the table limit switch located at the end of clean table. When the rack pushes the limit switch arm, the machine should stop.
  • Machine must shut down when racks push table limit switch lever.
  • Restart by clearing rack and pushing green button and placing a rack in the load end of the dish machine.

Push the RED stop button. The drive conveyor and pump(s) will stop, if not timed out.

Flip the power switch on the control cabinet to OFF. The power light will go out.

Open all the drain valves and check that the house drains can handle the flow.  
Note: DR tank is located under lower final rinse arms. Open the second drain valve to drain the DR tank.

Explain that the machine must be drained after end meal period or every 2 hours of operation.
  • Scrap screens, pump intake screens, and drain strainer must be cleaned.
  • Reference operation manual for more detail instructions regarding operation, daily cleaning, and prevented maintenance.
Model __________________________, Serial ____________________

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General Manager ______________________________________________ Date ______________

Champion Sales Representative _____________________ Date _____________

Champion Service Representative ______________ Date _____________