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CONTROL PANEL

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BASIC STEPS TO START

Begin with an empty dishwasher. The wash tank should be empty.

- Make sure the filter screens and the overflow pipe are in place.
- Close the door.
- Push the square green button. The dishwasher will take about two minutes to fill and 20 minutes to heat the water. The booster (rinse) will heat up first and then the wash tank will heat up.
- When the dishwasher is ready, the ready light will come on. This indicates that the dishwasher has reached optimum temperature.
- You can now start washing.
- Fill the basket. Only one basket can be used at a time.
- Slide it in to the dishwasher.
- Close the door and press the round black button. The dishwasher will start washing for a few minutes. When the wash pump stops, the rinse is about to start. The rinse continues for approximately 20 seconds.
- When the cycle light (near the start button) goes off, open the door and remove the tray to let air dry.
- If you are ready for another wash, slide a basket in the dishwasher, close the door and press the Cycle Start Button. If not, just close the door to retain the heat in the dishwasher and conserve energy.

You should drain the dishwasher at least once a day or when the water is soiled. The dishwasher should be turned off, drained, cleaned and left empty at night.

To drain the dishwasher, follow these simple steps:

- Turn OFF the power.
- Pull out the overflow tube (CAUTION: water may be hot)
- Press the white drain button until all the water is gone. Be careful not to let any debris go down the drain as it may block the pump.
OPERATION

Before operating the machine, ensure that the electrical power, water supply and drain connections have been made as per the installation instructions. Ensure that the overflow pipe is correctly set in its place (inside the wash tank). The overflow pipe should never be forced into its position. For the first use of the day, the wash tank should not have any water. Familiarize yourself with the gauges, buttons and indicator lights on the control panel. Check chemical levels. The containers should have sufficient quantities of Detergent (for wash) and Rinse Additive (drying agent).

Press the Square Green Power Button (1). The Power Indicator Light will illuminate (as well as the Digital Temperature Gauges). If the wash tank is empty, the machine will start to fill. Always keep the door closed during this time. When the machine has filled to its required water level, the elements will then raise the rinse and wash water temperatures automatically.

It will take approximately 15-20 minutes to obtain the optimum temperatures (185°F in the booster and 160°F in the wash tank). The Ready Indicator Light (5) will illuminate to indicate that the machine is ready for its first load.

Fill the basket with dishware and trays then push the basket into the machine.

It is more economical to wash when the basket is fully loaded. It is also important not to overload the basket. Water should always be able to spray freely around the dishware and trays.

Press the round black Cycle Start Button (6) to start the wash cycle. The Cycle Indicator Light (7) will illuminate. The cycle starts and consists of a wash (up to 6 minutes), a brief pause and then a rinse (from 18 to 25 seconds). Another basket can be filled while the first one is being washed. The Cycle Indicator Light (7) will extinguish to signal the end of the cycle. It is important to remove the basket from the machine while they are hot to let the dishes air dry. They will not dry if left in the machine.
IMPORTANT NOTES:

- JET-TECH high temperature dishwashers do not dump water and fill after every cycle. The wash water is refreshed during every cycle by the hot rinse water. Only excess water is expelled from the machine via the overflow pipe. If the wash water becomes soiled, it is recommended turn off and drain the dishwasher, clean all debris from the filters and wash tank and turn on the dishwasher to fill with fresh water.

- This model is equipped with an automatic drain pump (white button on the front control panel) that will evacuate excess water. Please see the section on: DRAIN PUMP OPERATION.

- During the rinse cycle, verify that Rinse Pressure is 30 PSI and that the Chemical Flow Indicators are moving.

- IMPORTANT: If the dishwasher will not be used for two (2) or more hours, it should be drained and turned off. The dishwasher should never be left in the “ON” position and unattended.
Jet-Tech F-18DP
BASIC STEPS TO OPERATE

1. Make sure dishwasher is empty (no water) and the filters and wash tank are clean of debris.

2. Close the door and press the power button. Wait 20 minutes for the water to attain optimum washing temperatures.

3. Pre-rinse dishes and/or glasses and cups.

4. Load rack in the dishwasher and close the door. Only one rack at a time.

5. Press the Start button. Wash cycle is 3 minutes.

6. Wait for the green light to turn off before taking the tray out. Take tray out to let dishes air dry.
DRAIN PUMP OPERATION

Model *F-18DP* is factory built with a drain pump (square white button on the control panel beside the green power button).

The drain pump activates automatically during a rinse cycle and functions when the water fill valve is open during the fill and rinse cycles. This allows the removal of excess water entering the unit.

To manually drain the wash tank, you must:
1. Turn off the machine (square green button on control panel).
2. Open the door, remove the basket, and remove the overflow pipe (also known as stand pipe).
3. Press and hold the white button on the control panel, which will activate the drain pump.
   Release the button when the water has been discharged.

The most common causes of drain pump failure are:
- Debris was flushed down the drain and blocked the impeller in the pump. Removing the impeller cover and clearing the obstruction generally restores normal pump function.
- The drain hose, at the back of the unit, is restricted.

IMPORTANT! Pump failure caused by debris blockage is NOT covered by the warranty.
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DAILY CLEANING PROCEDURES TO FOLLOW
This should be done at least once a day.

1. Push Power switch to OFF

2. Push & Hold
   1) Open the door.
   2) Remove the Overflow tube.
   3) Drain unit. Push and hold white button.

3. Let the water drain in the wash tank.
   Remove the spin-arm by unscrew the thumb-screw in the centre.
   Remove all the screens.
   Don’t forget the top spin-arm.

4. Clean the screens and wash tank of debris.
   Rinse wash tank.
   Be careful not to push food debris down the drain.

5. Put all parts back in the wash tank.
   Leave the dishwasher empty overnight

6. OR refill for more usage by closing the door and pressing the green button.
PROBLEM ANALYSIS

1. Constantly fills
2. Dishwasher makes a high pitch noise when washing
3. Dishwasher overflow
4. Does not operate/start
5. Does not wash properly
6. Filling is too long. Exceeds 3 minutes.
7. Filling is too short (under 1 minute)

8. Machine takes too long to empty. Time exceed 2 minutes.
9. Pilot lamps do not illuminate
10. Spots on glasses
11. The wash pump does not operate consistently during a wash cycle
12. Wash cycle is too short

PROBLEM
> CHECK
>> ACTION

1. Constantly fills

> Dishwasher has inactive/not been drained in a long time (more than three hours).
>> Switch dishwasher OFF. Pull over-flow and drain unit completely. Once drained, clean wash tank and filters. Put all parts back in. Close door, switch it ON, and let fill.

> Is overflow tube (stand-pipe) properly positioned in wash tank?
>> Check for cracks or burrs at bottom of overflow tube.

> The air pressure switch may be faulty.
>> Replace switch.

> The water level system may have an air leak.
>> verify the water level system from the pressure switch to the tube down to the air trap. Replace the defective parts as required.

> The air trap may have dirt in it.
>> Clean the air trap.

2. Dishwasher makes a high pitch noise when washing

> The wash tank may have too much detergent.
>> Too much soap may cause the pump to make a high pitch noise. Reduce the detergent amount; and ensure it is of the non-foaming type used. The mechanical seals may be worn. Replace as required.

3. Dishwasher overflow

> Drain outlet hose may be blocked.
>> Un-clog or reposition hose or replace the drain hose.

> Drain pump may be blocked or defective not allowing proper drainage of machine.
>> Un-clog or replace drain pump, as required.

> Incoming water pressure may be incorrect.
>> If the water pressure is too high (above 30 psi), you must install a pressure regulator.

> Regular dishwashing soap may have been used or has contaminated the dishwasher accidentally, causing an excessive amount of sudsing.
>> Drain the tank, remove as much
suds as possible. Leave overflow out, close the door and put power on. Let unit run for 2 to 4 minutes. Turn off unit, put overflow back in, close the door and refill unit. Try washing. If reoccurs try from the beginning again.

> The solenoid valve may have dirt in it or may be defective.  
>> Clean the filter or replace as required.

4. Does not operate or start

> The door micro switch may be defective.  
>> Adjust switch. Some of the parts may have to be replaced.

> The momentary relay may be defective or disconnected.  
>> All wires must well in place. If so replace it.

> The power switch may be unplugged or defective.  
>> Verify connections and replace as required.

> The pressure switch may be faulty.  
>> Adjust switch. Replace as required.

> The solenoid valve may have dirt in it or may be defective.  
>> Clean filter or replace as required.

> The timer may be defective.  
>> Replace.

> The washing cycle button may be defective.  
>> Replace.

> The wiring may have a break or short to ground.

>> Verify all connections.

> Verify that power is going to the machine.

>> Verify the breaker or fuses. Verify electrical connections to the machine.

5. Does not wash properly

> Are the scrap screens clean?  
>> Clean the scrap screens & filters. Don't forget the wash pump screen.

> Are the wash/rinse arm jets clogged?  
>> Clean the jets/nozzles. Be careful not to lose the o-rings.

> Detergent system may be defective.  
>> Peristaltic hose(s) may have to be replaced. The detergent filter in the container may be clogged or worn. Replace. Check the detergent line for deposits. Clean the line if necessary.

> Dishes appear dirty after the cycle is completed.  
>> Pre-rinse the dishes properly before they are placed into the dish racks.

> Drain outlet hose may be blocked.  
Drain pump may be blocked or defective, and is not allowing proper drainage of machine.  
>> Unclog, reposition hose or change drain hose. Unclog or replace drain pump, as required.

> Incoming water pressure may be either too low or too high will result in poor rinsing.  
>> If the pressure is too low (under 20 psi), check that the valve is fully
opened. If it is, the customer may need to install a pressure-booster pump to increase the water pressure. If the water pressure is too high (above 30psi), you must install a pressure regulator.

> Is the wash water clean? 
>> Drain the tank, rinse and refill.

> Is the water level in the wash tank correct? 
>> Water level should be just under the opening of the overflow pipe. Too little water will cause the wash pump to draw air. Too much water will keep the arm from spinning properly and may cause water to come out the door. Both cases reduce the performance of the dishwasher.

> Small specs remain on glasses after rinsing. 
> Have the incoming water analysed. May need a filtering system.

> The air pressure switch may be faulty. 
>> Replace Pressure switch

> The air trap may have dirt in it. 
>> Clean the air trap.

> The detergent used is of poor quality. 
>> Replace with a better quality commercial brand or increase dosage.

> The solenoid valve may have dirt in it or may be defective. 
>> Clean filter or replace as required.

> Wash pump may be clogged or defective. 
>> Open face plate of wash pump for inspection. Clean wash pump or replace it if necessary.

6. Filling is too long. Exceeds 3 minutes.

> Incoming water pressure may be incorrect. 
>> If the pressure is too low (under 20 psi), check that the faucet is fully opened. If it is, the customer may need to install a pressure-booster pump to increase the water pressure.

> The stand-pipe may be set incorrectly. 
>> Remove the stand-pipe and check the seat for dirt.

> The air pressure switch may be faulty. 
>> Adjust or replace as required.

> The air trap may have dirt in it. 
>> Clean the air trap.

> The solenoid valve may have dirt in it or may be defective. 
>> Clean filter or replace as required.

7. Filling is too short (under 1 minute)

> The air pressure switch may be faulty. 
>> Adjust or replace as required.

> Incoming water pressure is probably too high (above 30PSI flow). 
>> Install a water Pressure Reducing Valve.

> The air trap may have dirt in it. 
>> Clean the air trap.
8. Machine takes too long to drain. Time exceed 2 minutes. Should be less than 1 minute.

- Drain outlet hose may be blocked or kinked.
- Drain pump may be blocked or defective not allowing proper drainage of machine.
- >> Un-clog or reposition hose or replace the drain hose. Un-clog or replace drain pump, as required.
- The overflow pipe may be clogged.
- >> Clean out any residue.

9. Pilot lamps do not illuminate

- Pilot lamps may be faulty.
- >> Check connections. Replace as required.
- The power switch may be unplugged or defective.
- >> Verify and replace as required.
- >> Verify the breaker.
- >> Verify electrical connections behind the machine

10. Spots on glasses

- Rinse aid pump may need to be primed or adjusted.
- >> Prime or adjust. Replace as required.
- The rinse agent may be of an inferior quality.
- >> Replace with a quality commercial brand.

11. The wash pump does not operate consistently during a wash cycle

- Machine may not be leveled.
- >> Level the dishwasher.

- The air pressure switch may be faulty.
- >> Adjust or replace as required.

- The air trap may have dirt in it.
- >> Clean the air trap.

- Water level in wash tank is too low.
- >> Adjust pressure switch or replace as required. Water level should be level with the stand-pipe opening.

12. Wash cycle is too short

- The timer may be defective.
- >> Replace.

IMPORTANT NOTES

Locate and clearly identify the water shut-off valve that supplies the dishwasher and the fuse box or breaker switches.

Only qualified and/or licensed technician can repair this piece of equipment. Removing panels exposes wires and live current. The breaker should be switched off or fuses removed before servicing or removing the panels. The water supply must also be turned off.
Don’t expose yourself injury.
Call Jet-Tech for service or support.
OWNER’S MANUAL

DISHWASHER OPERATION AND MAINTENANCE

FOR OPERATOR. DO NOT DISCARD