

- BEFORE INSTALLING, READ ENTIRE INSTRUCTIONS CAREFULLY. RISK OF INJURY TO PERSONS FROM HAZARDOUS MOVING PARTS. SERIOUS INJURY POSSIBLE IF NOT PROPERLY INSTALLED WITH A HOPPER OR A CONE SPECIFIED IN THE INSTRUCTION MANUAL.
- THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH THE APPLIANCE.

OPERATING INSTRUCTIONS

IMPORTANT! Do not test or run disposer without minimum water flow (see Plumbing Installation) as this will damage the seal and void the warranty.

1. Push "start" button. Be sure unit is running and water is flowing before any waste is fed into the disposer. Do not pack food waste into unit. Do not dump garbage can loads directly into unit. Feed waste in gradually.
2. DO NOT ALLOW GLASS, METAL OR CROCKERY TO ENTER. IF THIS OCCURS, STOP THE UNIT AND REMOVE SUCH MATERIAL.
3. IF THE MOTOR STOPS, push stop button. Remove any waste material which caused stoppage. Check the turntable to see that it will turn freely. Wait three minutes, push red reset button firmly (LOCATED ON JUNCTION BOX OF MOTOR). Then push "start" button.
4. If the motor hums and the turntable does not rotate freely, there is usually a jamming obstruction, such as metal. STOP UNIT. With a suitable bar or stick, pry against one of the impellers and rotate the turntable in a counterclockwise direction. When the turntable is free, REMOVE THE BAR AND THE OBSTRUCTION MATERIAL BEFORE RESTARTING UNIT. CAUTION - LOSS OF ONE PHASE IN THREE PHASE UNITS (if one fuse blows while running) WILL CAUSE MOTOR TO LABOR AND HEAT. PROLONGED OPERATION WILL DAMAGE THE MOTOR.
5. If the motor remains silent after resetting the overload protector (as instructed in item 3 above) and the turntable rotates freely, check the electric fuses and complete electrical circuit.
6. ALWAYS ALLOW THE DISPOSER AND THE WATER TO RUN FOR THREE MINUTES AFTER EACH OPERATION to keep the unit clean and to flush all food waste out of the drain lines. THIS IS IMPORTANT!

CAUTION: ALWAYS TURN THE DISPOSER OFF AND LET IT COME TO A STANDSTILL BEFORE PUTTING YOUR HAND INTO THE HOPPER OR NEAR THE GRINDING CHAMBER. DO NOT LOOK FOR CAUSE UNTIL STARTING CONTROL IS TURNED OFF

FIG. 1

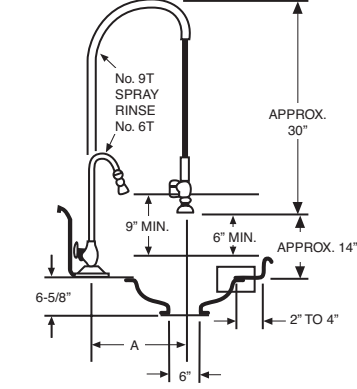


FIG. 2

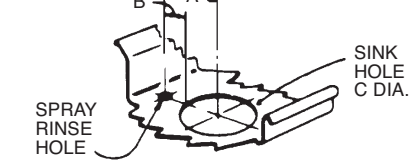
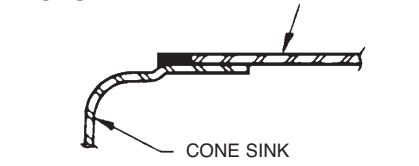


FIG. 3



MODEL 6T

	2216 12" CONE	2215 15" CONE	2211 18" CONE
A	10 ¹ / ₄ "	11 ³ / ₄ "	13 ¹ / ₄ "
B	3 ¹ / ₂ "	3 ¹ / ₂ "	3 ¹ / ₂ "
C	13 ¹ / ₂ "	16 ¹ / ₂ "	19 ¹ / ₂ "

MODEL 9T

	2216 12" CONE	2215 15" CONE	2211 18" CONE
A	12 ⁷ / ₈ "	12 ⁷ / ₈ "	12 ⁷ / ₈ "
B	6 ¹ / ₈ "	4 ⁵ / ₈ "	3 ¹ / ₈ "
C	13 ¹ / ₂ "	16 ¹ / ₂ "	19 ¹ / ₂ "

IF YOU ARE REPLACING AN OLD DISPOSER GO TO MOUNTING DISPOSER

INSTALLATION OF CONE SINK INTO DISH OR WORKTABLE

1. (See Figures 1 and 2.) Locate hole center as shown on Figure 2. Cut a "C" (Figure 2) diameter hole in dish or work table, a minimum of 2" from the inside front edge (operator's side). Hole can be cut with a "nibbler" after a knockout hole 1-1/2" diameter has been punched.
2. Lift cone to underside of table with cone flange overlapping all around (Figures 1 and 3).
3. Check alignment of cone spray fittings to be sure they are in the proper position. For 15" and 18" cones, position such that holes are located to right and left side of operator. (See Figure 7 for location.)
4. Tack weld, spot weld, bolt, or rivet flange of cone sink to underside of dish or work table. If bolted or riveted, smooth top surface and wash-solder around bolt or rivet heads and sand smooth.
5. Bead weld or solder and wash-solder all around where the table joins flange of cone sink for a clean, watertight, sanitary installation.
6. The cone sink has been designed with the step, as shown in Figure 3. In the welding or soldering operation required to assemble the cone sink to the dish or work table, every attempt should be made to keep the recessed, flat portion of the cone free of the welded or solder material. This will minimize the clean-up time required and provide a smooth, flat surface for any cover.

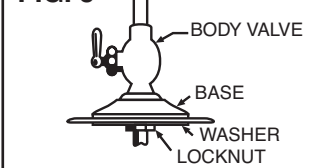
SPRAY-RINSE INSTALLATION

1. Locate center (Figures 1 and 2).
2. Drill 7/16" diameter hole through center.
3. Assemble 7/8" punch and tighten bolt head, as shown in Fig. 4, until the die pierces the stainless steel, leaving a clean opening of 7/8".
4. Place body valve and base in position, assemble washer and locknut as shown in Figure 5.
5. Attach vol-temp assembly to the projecting nipple, as shown in Figure 7.

FIG. 4



FIG. 5



**For models to be installed in sink with 3-1/2" outlet,
see separate sheet enclosed for mounting instructions.**

- FIG. 6**
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- Diagram illustrating the assembly of the cone sink. The main view shows a hand adjusting the cone sink on a base. An inset view shows a close-up of the assembly, with labels: CONE SINK, NUT, CLAMP RING, CLAMP RING MOUNT SCREW, and HUSH CUSHION.

IMPORTANT! Before installing the Waste King disposer, the connecting waste line must be cleaned out to the connecting sewer main. Waste line must be a permanent connection.

Recessed thread fittings must be used throughout and all pipe ends should be carefully reamed.

NOTE:

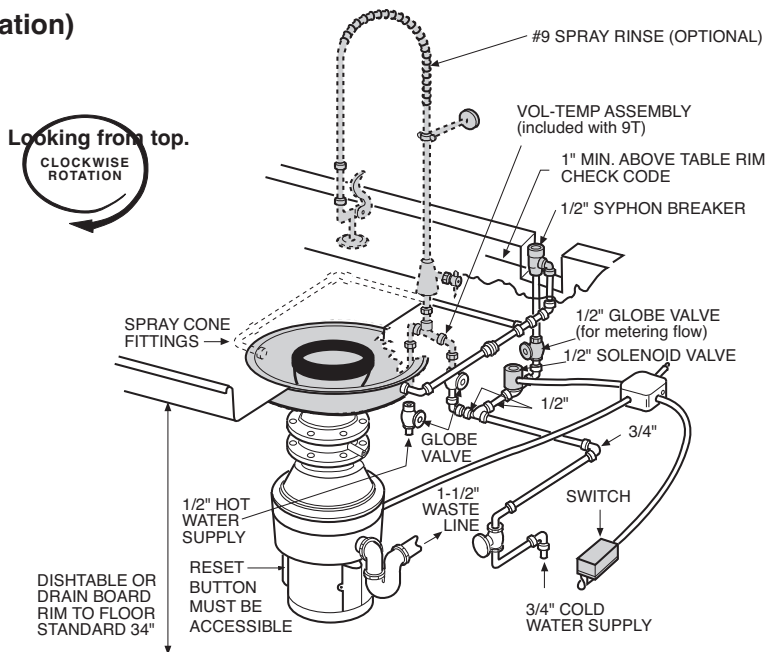
A globe valve, if used for metering flow, must be installed between solenoid valve and disposer. See metering valve Fig. 7. Any valve ahead of the solenoid valve must be opened and cause no restrictions.

IMPORTANT! Do not test or run disposer without minimum water flow (see Plumbing Installation) as this will damage the seal and void the warranty.

**MINIMUM WATER FLOW RATE
5 GALLONS PER MINUTE WHILE IN USE**

NOTE:

BASE UNIT INCLUDES DISPOSER, MOUNTINGS, AND DRAIN OUTLET. OTHER ITEMS SHOWN IN GRAY IN FIGURE 7 ARE AVAILABLE IN EQUIPMENT GROUPS ORDERED SEPARATELY.



1. For spray-rinse with vol-temp, run a 1/2" hot water line to point indicated in Figure 7. Connect to spray-rinse globe valve, hot water side. At no time should hot water be connected directly to disposer or cone sink.
2. Run a 1/2" cold water connection to point indicated in Figure 7.
3. Install solenoid valve in line, in upright (coil side up) position as shown in Figure 7, with arrow on side pointing in direction of water flow.
4. Install syphon breaker as in Figure 7. CHECK LOCAL CODE.
5. Make connection to water inlet fitting of cone sink. See Figure 7.
6. Make 1/2" cold water connection to spray-rinse globe valve, cold water side. This must be separate cold water line. Do not tee off of line to cone unless a 3/4" line is furnished to assembly location. See Figure 7.
7. Assemble swirl spray(s) as shown in Figure 9. The assembly method for the swirl spray(s) is the same for all models. Other combinations of convertible and fixed swirl spray(s) are optional. The outlet hole of the fixed swirl spray should be horizontal to promote vortex action in the cone.
NOTE: The convertible spray should be easily adjustable by the operator to function as a swirl spray or as a dish-washing flume. Avoid excessive tightening of nut or lock nut.
8. Connect 1/2" pipe to swirl spray as shown in Figure 7.
9. The disposer is equipped with a drain outlet designed for a slip-joint connection to a conventional 1 1/2" trap (not furnished). Connect the trap with a branch waste line running directly into the sewage connection (Figure 7). **Do not connect into a grease trap.** A minimum slope of 1/4" per foot of run of waste line is recommended. Limit 1 1/2" drain line to a 15-foot run, free of turns. A minimum number of elbows, tees, etc., reduce the possibility of plumbing stoppages. If unusual sewer conditions exist (too many bends, main too long, low water pressure resulting in low flow rate*, or if a high percentage of food waste is leafy and/or paper), the use of a time delay relay and water injector into sewer is suggested. Under such conditions, additionally, a larger size cold water line, larger solenoid valves and larger syphon breakers should be used to overcome potential stoppages. (Parts and data available from factory.)

*Minimum cold water flow rate used with Models 500 through 1500: 5 gallons per minute or enough to push waste through pipeline into the sewer.

TIP: Water volume adjustment: The top of the swirling water should occasionally crest to the body of the swirl water inlet.

10. To use the optional supplementary water connection, see Figure 8.

FIG. 8 OPTIONAL SUPPLEMENTARY WATER CONNECTION

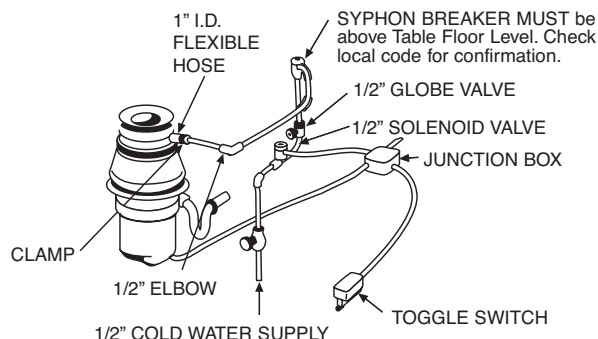


FIG. 9 SWIRL SPRAY(S) ASSEMBLY

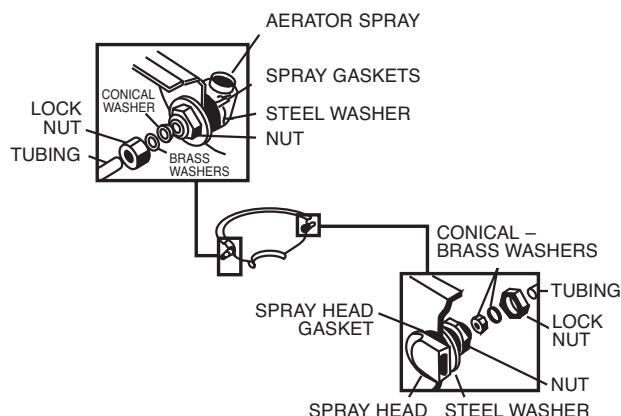


FIG. 10 INSTALLATION DIMENSIONS AND DRAINLINE CONNECTIONS

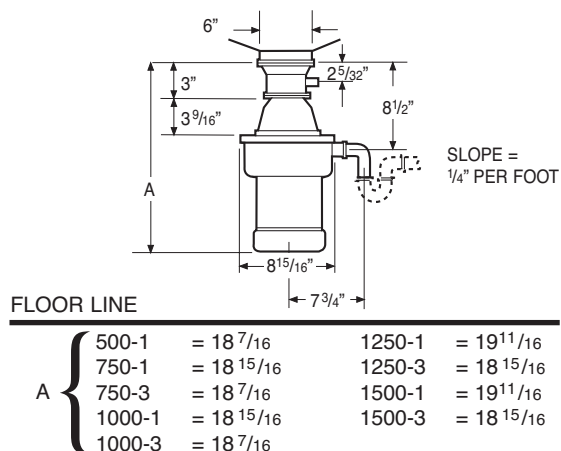
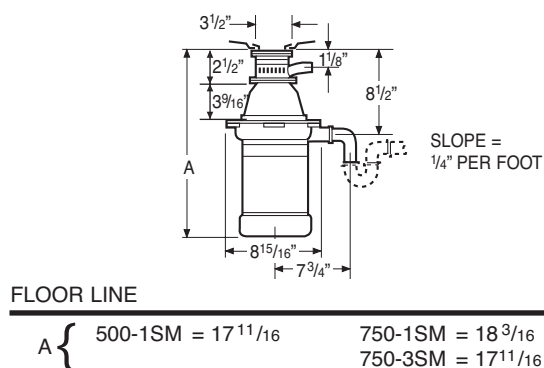


FIG. 11 SINK MOUNTED MODELS (SM)



ELECTRICAL CONNECTIONS

All electrical connections must be made in accordance with local wiring codes. Flexible BX cable should be used in making electrical connections to motor to avoid transmission of noise. Be careful not to pinch wires when replacing terminal box. IF THE MOTOR STOPS, push stop button. Remove any waste material which caused stoppage. Check the turntable to see that it will turn freely. Wait three minutes, push red reset button firmly (LOCATED ON JUNCTION BOX OF MOTOR). Then push "start" button. If the motor hums and the turntable does not rotate freely, there is usually a jamming obstruction, such as metal. STOP UNIT. With a suitable bar or stick, pry against one of the impellers and rotate the turntable in a counterclockwise direction. When the turntable is free, REMOVE THE BAR AND THE OBSTRUCTION MATERIAL BEFORE RESTARTING UNIT. CAUTION - LOSS OF ONE PHASE IN THREE PHASE UNITS (if one fuse blows while running) WILL CAUSE MOTOR TO LABOR AND HEAT. PROLONGED OPERATION WILL DAMAGE THE MOTOR.

IMPORTANT! THE WASTE KING COMMERCIAL DISPOSER MUST BE CAREFULLY AND PERMANENTLY GROUND. GROUND SCREW IS PROVIDED.

Overload Protection: Reset button overload provided on all standard models.

IMPORTANT NOTE: Disposer motor phase, single or three phase, must be the same as power source and line phase.

Disposer wiring connection voltage must be the same as the voltage of power source.

To connect or disconnect make sure to wire with a manual or magnetic switch available from distributor instruction on last page.

ALL SINGLE PHASE MOTORS

3-Pole, 20 Amp., heavy duty switch encased in waterproof receptacle. Two poles of switch control motor and third pole controls solenoid, isolating the two circuits to prevent solenoid kickback when switch is turned off. Refer to Figures 12 and 13 for recommended wiring installation.

SINGLE PHASE 1/2 HP

Factory Wired for 110-120-V A.C. unless otherwise specified. To connect for 220-240-V A.C. refer to information on inside face of terminal box cover.

SINGLE PHASE 3/4 HP, 1HP, 1 1/4 HP, and 1 1/2 HP

Factory Wired for 220-240 volts. To reconnect for 110-120 volts refer to information on inside face of terminal box cover.

NOTE: After installation, be sure turntable rotates clockwise.

CAUTION: When making field changes for voltage, be certain to change all other related electrical circuits such as solenoid valves, relays, etc.

ALL THREE PHASE MOTORS

3-Pole, 20 Amp., heavy duty switch encased in waterproof receptacle. Tap off any two leads for the solenoid valve. Refer to Fig. 14 and 15 for typical wiring installation.

THREE PHASE 3/4 HP, 1HP, 1 1/4 HP, and 1 1/2 HP

All three phase motors are factory wired for 208-240-V A.C. AFTER INSTALLATION BE SURE TURNTABLE ROTATES CLOCKWISE. If not, interchange any two of the three wires. To reconnect for 460 volts, refer to information shown on inside face of terminal box cover.

MANUAL OR MAGNETIC SWITCHES SHALL BE PROVIDED TO ENSURE ALL-POLE DISCONNECTION (WK 2420, 2416, 2417, 2414 OR 2415)

FIG. 12 SINGLE PHASE

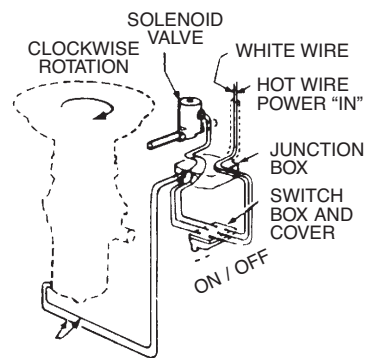


FIG. 13 WIRING FOR SINGLE PHASE UNITS WITH MANUAL SWITCH

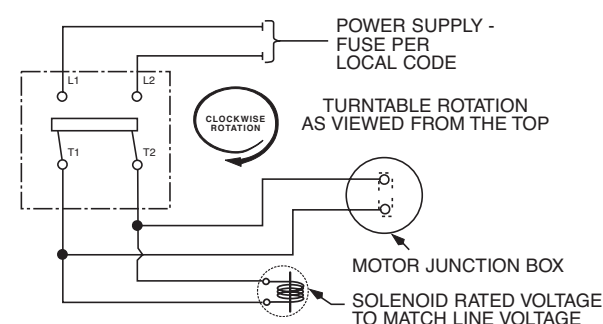


FIG. 14 THREE PHASE

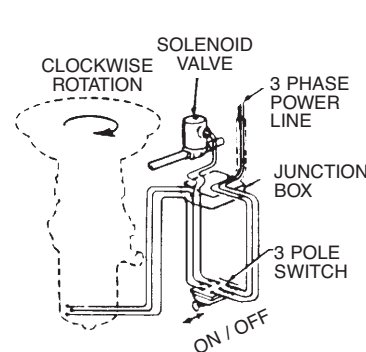


FIG. 15 WIRING FOR THREE PHASE UNITS WITH MANUAL SWITCH

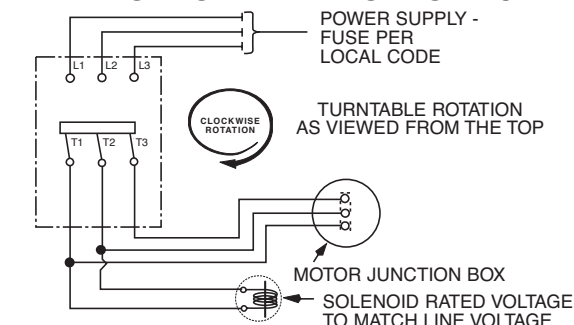


FIG. 16 WIRING FOR THREE PHASE UNITS WITH MAGNETIC SWITCH

ALL VOLTAGES – DO NOT USE L3 OR T3 FOR SINGLE PHASE APPLICATION

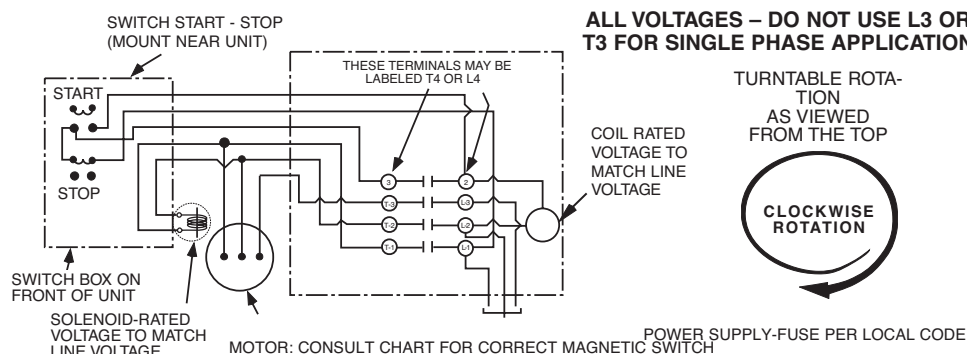
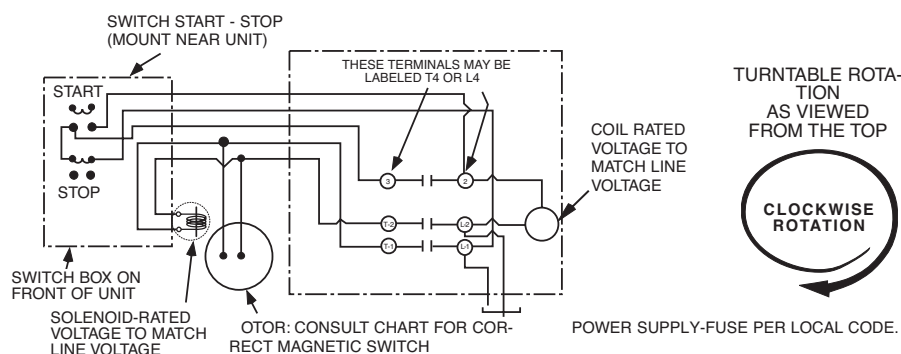


FIG. 17 WIRING FOR SINGLE PHASE UNITS WITH MAGNETIC SWITCH



MANUAL SWITCH

MODEL	VOLTS	WK PART NO.
500 – 1500	110-120	2420
	220-240	

NOTES:

1. Motor wired at Factory for 220-240 volts except for 1/2 HP. For 110-120 volts, connect motor wires as shown inside of motor junction box cover.

MANUAL SWITCH

MODEL	VOLTS	WK PART NO.
500 – 1500	208-240	2420
	460	

NOTES:

1. Motor wired at Factory for 208-240 volts. For 460 volts, connect motor wires as shown inside of motor junction box cover.
2. Interchange T1 and T3 to reverse rotation.

MAGNETIC SWITCH

MODEL	VOLTS	WK PART NO.
750 – 1500	208-240	2416
	460	2417

NOTES:

1. Motor wired at Factory for 208-240 volts. For 460 volts, connect motor wires as shown inside of motor junction box cover.
2. Interchange T1 and T3 to reverse rotation.
3. No heaters used with magnetic switch.

MAGNETIC SWITCH

MODEL	VOLTS	WK PART NO.
500 – 1500	110-120	2414
	220-240	2415

NOTES:

1. Motor wired at Factory for 220-240 volts except for 1/2 HP. For 110-120 volts, connect motor wires as shown inside of motor junction box cover.
2. No heaters used with magnetic switch

TESTING – IMPORTANT! Do not test or run disposer dry as this will damage the seal and void the warranty.

1. Test assembly for leaks: a. where cone joins table b. where disposer joins cone c. all piping connections d. "Swirl Spray" fittings
2. After plumbing and electrical connections are made, turn on disposer to be sure all parts are in working order and that the disposer turntable rotates clockwise when viewed from above. Open valve in vacuum breaker line, and using valves in plumbing assembly (Fig.7), adjust so that water swirls around just below the rim of the cone sink. Leave valves in these positions. These combinations provide a flow of approximately 8 gallons of water per minute.
3. Replace cover, retest for leaks and turn unit off.
4. Unit is now ready for operation.