WELLER

Weller Pools
Wave Pool
Non Kiddie

CHECK LIST PRIOR TO START UP

N O T E : WEAR EARPLUGS OR MUFFS AT ALL TIMES WHILE YOU ARE IN THE EQUIPMENT ROOM.

IMPORTANT

FOR INITIAL START UP, WAIT FOR THE AQUAWAVE FIELD REPRESENATATIVE TO ARRIVE. HE WILL CHECK ALL THE ITEMS BELOW BEFORE INITIAL START UP.

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I. COMPRESSOR

1. Check rotation of compressor motor.
2. Compressor wired and control circuit to control panel.
3. Pressure regulator in line with oiler, filters and gauges.
4. Air line to each cylinder and solenoid. (NOTE: Tee connections must be in vertical position.
5. Drain valves on each end of the airline.
6. Airline pitched to provide drain at each end.
7. Shut off valve at air tank of receiver in line before filters.
8. Pressure switch in line, wired to fail safe in control panel.
9. Oil in compressor.
10. Oil in atomizer.
11. Air filter and oil filter cap in place.
12. Compressor properly bolted to concrete floor.

II. FANS & MOTORS

1. Check valves in proper location and sealing (if applicable).
2. Fans leveled, each leg of motor stand in tension.
3. Slab poured and stripped.
4. Lockable stop switch wired at each motor.
5. Stand-still heating wired to each motor from control panel breaker.(if applicable)

6. Control panel wired to each motor.
7. Rotation checked on each motor.
8. All bolts in place on fan.

III. PLENUM

1. Air duct adapters from plenum to valves all bolted.
2. Vacuum and water flush out plenum from all dust and debris.
3. Valve on plenum drain line.
4. Plenum check valves properly installed.
5. Plenum access covers bolted in place.

IV. CAISSON AIR VALVES

1. All solenoid individually wired via flex connection to junction box and conduit to control panel.
2. Each solenoid valve has an air inlet connection from 1" manifold line to intake (NOTE: 1" tee on manifold MUST have tubing connection on top).
3. Cylinders turned to provide access to buffers and air connections.
4. Air line connections from solenoid to "A" port of solenoid to rear (furthest from valve) cylinder air connection and "B" port of solenoid to front (closest to valve) cylinder air connection. (NOTE: cut both hoses same length.)
5. All valves gasketed and bolted to stainless steel insert.
6. Splash guards in caissons anchored in place and sealed.
7. Air lines in place and secured from plenum to valve intake port.

V. 1. All interconnecting wires in ducts with covers in place.
2. Cover over buss bar properly in place in all other electrical connections.
3. Check all breaker connections to insure against loss from transportation.
4. Vacuum out control panel to remove all dust from contact areas. (NOTE: DO NOT USE BLOWER, this only moves dust to another location.)
5. Be sure timing relay for fan motor controls are set .
6. Check to be sure that all heating and ventilation systems are operable.

IV. EXHAUST FANS

1. Exhaust fans wired to control panel switch.
2. Exhaust fans in place with necessary guards over fan face.
3. Check rotation of fan motor to be sure fan exhausts.

OPERATING INSTRUCTIONS

These operating instructions are for the sole purpose of operating the system and are not intended nor do they explain any maintenance procedures, which are further outlined in this operating manual.

Prior to any action regarding the starting of this equipment it is essential that the red button on the outside of the control panel must be pushed in to prevent any accidental starting of equipment and to prevent any injuries which may result from such accidental starting.

It should also be noted that the air compressor utilized with this system, is not controlled from this control panel. The compressor is on a separate independent circuit and cannot be controlled from the control panel location.

AIR COMPRESSOR

1. Check crank case oil for proper level and refill as required.

2. Open the drain valve on the bottom of the air receiver (air tank) as well as the drain valves at each end of the air header line to the air directional valves.

3. Start the air compressor by making the disconnect switch along side the compressor.

4. With the compressor running close the drain valve at the bottom of the receiver tank as well as the drain valves on each end of the air header line, when moisture is not evident.

5. Drain all moisture or condensation from the pressure reducing valve.

6. Allow the compressor to operate until the unloader valve throttles the compressor down to point of no compression.

WAVE GENERATION FANS

1. Insure both disconnect switches at each wave generating fan is in the on position. Wave generators are started and stopped from the control panel.

CONTROL PANEL

1. The red stop bottom on the right side of the consolette must be pushed into the stopped position.

2. Open consolette and select wave patterns. (Per the instruction for selection of wave pattern).

3. Select wave time operation and rest time operation on thumb wheel at right side of programmer.

4. The timers are seconds to the tenth, i.e., they are capable of timing up to 999.9 seconds.

5. Wave operating time is suggested to be not in excess of 12 minutes (720 seconds) and the rest time of 10 minutes (600 seconds). Note: Reasons for the suggested times are multiple: A) It gives the lifeguards the necessary rest period; B) It provides for loading and unloading of the pool.

6. Close consolette.

7. Pull out stop button at right side of consolette.

8. Turn key and push in on start button at right side of consolete. Note: System will start automatically and run continuously on the preset times.

MANUAL DIAMOND

The manual diamond is solely for use in the event of computer failure and should only be used in such an event.

1. To activate the manual diamond the key switch at the upper right hand side inside the consolette is to initiate the manual diamond.

2. The manual diamond is not under the control of the timing of the thumb wheels.

3. It will run continuously until the key switch is disengaged. However, life guard stations will disengage the valve actuation in the normal manner.

WAVE SELECTION

(Single Wave Selection for
Repetitive Operation of Same Wave)

1. Insure Varawave switch (labeled "V") is off.

2. Push the red reset button to clear all previous memory.

3. Push the desired wave pattern black button.

4. Push the green enter button. At this point the wave pattern has been selected and when the system is operated will remain as the only pattern to be generated.

WAVE SELECTION (VARAWAVE)

The purpose of the Varawave selection is to allow the operator a selection of up to 10 different waves in sequential forms with rest periods between selections.

1. Move the Varawave switch to the up position illuminating the Varawave light.

2. Push the red reset button to clear memory of all previous selections.

3. Make selections by: A) Push the first pattern button and next push the enter button. Push the second pattern button and then the enter button, etc., through the total variety of selections up to 10 patterns.

4. Adjust the operating and rest timing at the thumb wheels at the side of the computer panel. Note: A REST PERIOD MUST EXIST THE RUN OF EACH WAVE PATTERNS.

5. The wave timings should be set in accordance with the boat line above.