

# RITMO L



## Operating Instructions

### Step 1

Make sure mixing bin is DRY. If wet then dry before using.

### Step 2

Connect power – If using a generator make sure it is at least 20kva.

### Step 3

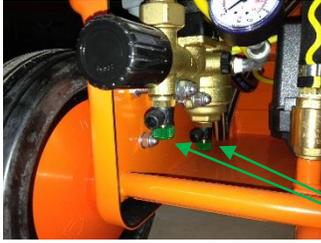
Connect water to the RITMO L.  $\frac{3}{4}$ " hose is the best but you can also use  $\frac{1}{2}$ ". Turn on water.



RITMO L water connector, connect water from water supply here

### Step 4

Close all the water release valves on the RITMO L (picture on next page), they are the ones leaking water when the water was turned on. If nothing was leaking water then valves were already closed. Check water pressure. Needs to be at least 2.5 lbs, if lower than 2.5 then need a water booster pump if one is not built into this particular machine. If pressure falls below 2.5lbs then machine will shut off.



Green Water release valves

## Step 5



Open Water tap on the RITMO L and let all the air out of the water system. Close tap when done.

## Step 6

Connect water hose coming from Volume measuring tube to **TOP** water connector on mixing tube.



Top water connector

## Step 7

Take off the water cap from the **LOWER** water connector on the mixing tube.

## Step 8

Turn on **RED** main power switch on the RITMO L.



Main power switch

Manual water button

Water on/off switch

## Step 9

Turn water on/off switch to the **ON** position (left). Push the manual water button on control panel while at the same time adjusting water volume to desired level. If not sure starting level **REMEMBER STARTING WETTER IS MUCH BETTER THAN TOO DRY**. When desired level is reached release button, let water drain out of the **lower** water connector. When water stops coming out replace cap.



Water volume adjuster knob

## Step 10

Run machine a few seconds then stop. Remove cap from lower water connector **AGAIN**, Push black water button until water starts coming out then stop. Let water drain out. When water stops replace lower water cap. Your machine is now primed.

## Step 11

Check mortar bin to make sure it is still dry. Add 1 bag of DRY mix. Make sure you empty the bag in nice and slow. Put a bucket in front of ROTOR STATOR nozzle to catch the mixed mortar.



Rotor Stator nozzle

## Step 12

Adjust speed switch to desired speed. Dry mix **MUST** be above "5" speed or water will shut off. Normally a good starting speed is "8 - 9". If using a **pre-mixed** wet material then under "5" speed is ok. Turn on pump motor switch to the right. Check mortar mixture in bucket. Adjust water volume to get desired consistency. When consistency is correct turn off pump motor. Mixture is ready. Remember it's a good idea to start a little too wet then adjust water volume down after you start spraying. **If you adjust speed later in the day you will need to adjust water volume as well or mixture will change consistency.**



Pump motor switch / Speed switch

## Step 13

Rinse inside mortar hose with water. Empty out all water from hose. Connect mortar hose to ROTOR STATOR nozzle.

## Step 14

Add another bag of mortar mix to the dry bin. Turn on pump motor and run mortar mix through mortar hose. When mortar comes out the end, stop pump. If mortar hose plugs up, no problem, just turn off pump motor, connect purge hose to water tap on the RITMO L, turn on water and push the purge hose into the end of the mortar hose that the mortar has not come out of yet until you feel the problem area. Let the water rinse out the dry-plugged mortar. When the plugged area is fixed (pressure in hose is 0) turn on pump motor again and finish running mortar through hose. Turn off pump motor.

## Step 15

Connect end spraying nozzle. Connect one end of air hose to air nozzle on RITMO L. Connect the other end to the spraying nozzle. **Make sure air on/off switch on spraying nozzle is off.** Plug in compressor **ON** the RITMO L **INTO** the RITMO L if not already plugged in.



Compressor plug-in

## Step 16

Turn on vibrator switch on the RITMO L



Vibrator on switch

## Step 17

Turn on pump motor. Nothing will happen and that's ok. You are ready to go. To start spraying turn the air switch on at the end of the spraying nozzle. **The air switch is now the start/stop switch.** To adjust spraying width adjust air tube at the end of the spraying nozzle.

## Step 18

Check pressure in mortar hose on the pressure gage which is on the Rotor Stator nozzle. Should be MAX 1 bar of pressure per meter of mortar hose. If more than that then motor is working too hard. Check Amps, should be under 8,7A when running.

## Step 19

If Amps are too high machine will turn itself off. If machine turns itself off then mix is too dry, hose is plugged, speed is too fast, wrong mixing product hose is too long or water pressure is too low.

To adjust mixture again simply adjust water volume in small amounts. Give it a minute to go through the hose before you see the new mixture consistency.

## Troubleshooting

If no power try turning **RED** switch on again. A safety stop was probably triggered. Or if the amps were too high and stopped the machine, open cabinet and push reset button.

If using pre-mixed wet mixture turn water on/off switch to the off position (right).

### **Do not get water in the dry bin.**

If the mortar hose gets plugged and will not unplug as explained in the directions in step 14, then turn off water on/off switch and run pump motor in reverse for **1-2 seconds only**. This should release pressure from inside hose so you can remove hose from the Rotor/Stator nozzle and clean. Remove dry material inside dry bin to make sure no water has gotten inside. When clean replace everything, turn back on water on/off switch and try again.

# RITMO L



## Cleaning Instructions

### Step 1

Spray out dry mixture bin with water as the mortar hoses are emptying out. Allow mixture to empty out of hoses until only water comes out the end of nozzle.

### Step 2

Turn off pump switch when it is only water coming out. Turn off vibrator.



Pump switch

### Step 4

Open air nozzle at end of hose then disconnect air hose on both ends. Unplug compressor. Use very rough brush to clean out end of air tube at the end of spraying nozzle.



Rough brush

## Step 5

Check pressure in mortar hose. Pressure should be zero. If pressure is not zero then run machine in reverse for a few seconds until pressure is zero. When pressure is zero disconnect mortar hose.



Mortar hose pressure gage

## Step 6

Disconnect spraying nozzle and clean with water.

## Step 7

Insert 2 small **orange** cleaning balls into end of mortar hose. Connect mortar hose to water outlet on RITMO L with special hose adapter. Turn on water until small balls come out other end of hose. Do it two times. Hose is now clean. Clean outside of mortar hose.



Special hose adapter



RITMO L water outlet

## Step 8

Connect water hose to water outlet on RITMO L. Open top of dry mixing bin and rinse thoroughly. Close top. Turn **RED** start button on, turn on pump motor and run machine for a few seconds to clean out water in mixing bin. Turn off pump motor when done.

## Step 9

Open top of mixing bin again. Remove mixing blade and replace with cleaning tool (picture on next page). Close top, turn **RED** start button, Turn pump motor on and run machine a few seconds to clean inside of tube. Make sure water is on. Open top of bin and check to see if clean. If not repeat process again. If you open the mixing bin you must Turn **RED** start button again to activate controls.



Mixing shaft cleaning tool

## Step 10

Replace mixing blade when shaft is clean. Rinse and clean dry mortar bin.

## Step 11

Open lower water cap on mixing tube and clean with water.

## Step 12

Clean outside of machine with soapy water and brush. Rinse.

## Step 13

Turn off water on RITMO L. Turn on main **RED** power switch. Turn on pump motor and run machine for a few seconds draining all water out of the machine. When water stops coming out the Rotor/Stator then shut off. **DO NOT RUN TOO LONG WITH NO WATER IT WILL BURN UP THE ROTOR/STATOR!**



Water should stop coming out here

## Step 14

Clean out the end of the ROTOR/STATOR by spraying the inside out with water.

## Step 15

Turn off main **RED** power switch. Unplug the machine.

## Step 16

Disconnect water from machine. Drain all 3 water release valves and leave open.



2 of the **GREEN** water valves, the last one is the water spout on the RITMO L

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