

G4 Operating Instructions



Step 1

Open top of mixing tube, check if it is clean. Also make sure mixing bin is DRY. If wet then dry before using.

Step 2

Connect power – 400/230V If using a generator make sure it is at least 20kva. Check switch inside electrical cabinet to make sure it is on the correct voltage in relation to power supply.

Step 3

Connect water to the G4. 3/4" hose is the best but you can also use 1/2". Turn on water.



G4 water connector, connect water from water supply here

Step 4

Close all the water release valves on the G4, 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.



Water release valves

Step 5

Open Water tap on the G4 and let all the air out of the water system. Close tap when done.



Water tap

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 G4. Press **GREEN** start button to activate controls. If using 400V then check to make sure electricity is going in the correct direction, if **YELLOW** light is on then it is in reverse. Simply turn main power switch in opposite direction. If using 230V does not matter which direction it is running.



Main power switch

Manual water button

Step 9

Push the manual water button on control panel while adjusting water volume to desired 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. Your machine is now primed.



Water volume adjuster knob

Step 10

Check mortar bin to make sure it is still dry. Add 2 bags of DRY mix. Put a bucket in front of ROTOR STATOR nozzle to catch the mixed mortar.



Rotor Stator nozzle

Step 11

Turn on conveyor wheel first. 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 and conveyor wheel. Mixture is ready.



Pump motor switch / Conveyor wheel switch

Step 12

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

Step 13

Connect end spraying nozzle. Connect one end of air hose to air nozzle on G4. Connect the other end to the spraying nozzle. If the G4 doesn't have its own compressor then connect a compressor to the G4. Needs minimum 400L per minute compressor.

Step 14

Turn on compressor



Compressor power button

Step 15

Turn on compressor switch on the G4



Compressor on switch

Step 16

Turn on conveyor wheel

Step 17

Turn on pump motor. You are ready to go. To start spraying turn the air switch on at the end of the spraying nozzle. To adjust spraying width adjust air tube at the end of the spraying nozzle.

Step 18

Check pressure in mortar hose on the pressure gauge which is on the Rotor Stator nozzle. Should be MAX 1 bar of pressure per meter of mortar hose.

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 or hose is too long.

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.

If no power try pushing **Green** button again. A safety stop was probably triggered.

If **Red** light is on call us.

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G4 Cleaning Instructions



Step 1

Turn off conveyor wheel and allow mixture to empty out of hoses until only water comes out the end of nozzle.

Step 2

Turn off pump switch when its only water coming out.



Pump switch

Step 3

Turn off air compressor

Step 4

Open air nozzle at end of hose then disconnect air hose. Use very rough brush to clean out end of air tube at the end of spraying nozzle. Clean with soapy water.



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

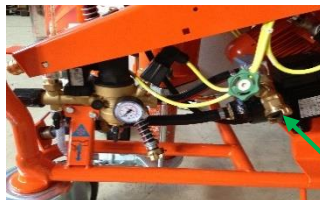
Disconnect spraying nozzle and clean with water.

Step 7

Insert 2 small **orange** cleaning balls into end of mortar hose. Connect mortar hose to water outlet on G4 with special hose adapter. Turn on water until small balls come out other end of hose. Do it two times. Hose is now clean. Disconnect mortar hose.



Special hose adapter



G4 water outlet

Step 8

Connect water hose to water outlet on G4. Open top of mixing tube and rinse thoroughly. Close top. Push **GREEN start** button, turn on pump motor and run machine for a few seconds to clean out water in mixing tube. Turn off pump motor when done.

Step 9

Open top of mixing tube again. Remove mixing blade and replace with cleaning tool. Close top, push **GREEN start** button and run machine a few seconds to clean inside of tube. Make sure water is on. Open top of tube and check to see if clean. If not repeat process again. If you open the mixing tube you must push **GREEN start** button again to activate controls.



Mixing shaft cleaning tool

Step 10

Replace mixing blade.

Step 11

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

Step 12

Turn off main **RED** power switch. Clean dry mortar bin. Remove top grill and clean with water. Remove dust cover and clean. Remove conveyor wheel and clean. Remove bottom drain valve under dry bin and clean inside bin with water, draining all water out when done. Replace everything when done.

Step 13

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

Step 14

Open mixing tube and clean with water one more time. Close lid.

Step 15

Turn off water on G4. Turn on main **RED** power switch. Push **GREEN** power button, turn on pump motor and run machine for a few seconds draining all water out of 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 16

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

Step 17

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

Step 18

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