

# Product Specifications Reveal 6

## Electrical / Plumbing

### MECHANICAL REQUIREMENTS

#### ELECTRICAL REQUIREMENTS

Electrical requirements (fig.1) will vary according to the size and type of installation. Pumps are sized according to waterfall flow requirements and vary considerably in size and electrical requirements. Most water features will operate within a range of 5 to 20 Amps. The standard pumps we use are rated for continuous use (24/7) and are sized to meet or exceed the flow requirements of the waterfall. All of our water features are equipped with PVC ball valves to allow precise setting of the water flow rate and sound level. Refer to the instructions provided with your pump for operating and maintenance. Depending on the scale of your water feature, multiple pumps may be required. Please refer to the submittals or mechanical configuration drawings provided with your order for specific electrical requirements.

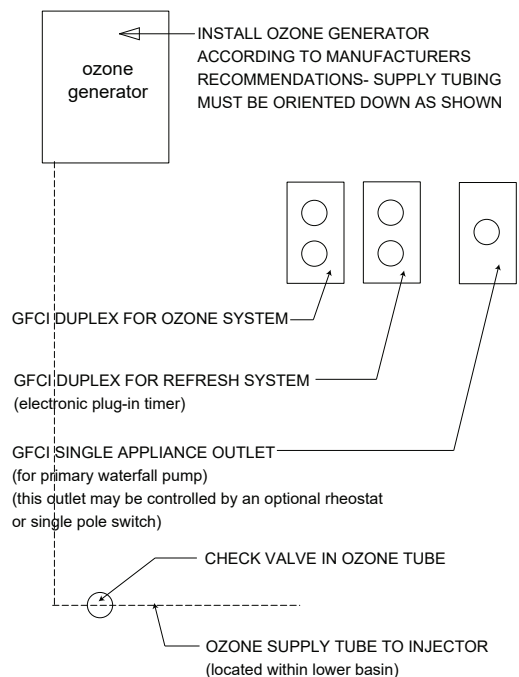
All electrical work should be in accordance with local and national electrical codes and should be conducted by a licensed electrician. The power to the waterfall primary pump(s) only should be controlled by a single-pole switched outlet combination to control the on-off function of the water feature. All other water feature mechanical equipment requiring electrical power should remain live at all times.

Provide (on site) two additional GFCI duplex outlets for the ozone water purification system (generator & injector) and the automatic refresh system. Please keep in mind that our pumps cannot be hard-wired and have no integral switch. All of our quality pumps are pre-installed with ball valves for precise manual flow settings.

#### PLUMBING REQUIREMENTS

Automatic water supply and overflow is included standard with our custom water features and water feature systems. A 1/2" cold water supply is required with the connection fitting locations specified as required when ordering. All plumbing fitting locations should be coordinated as required with submittals: shop drawings (custom waterfalls) or mechanical configuration drawings for our quick-ship systems. All water supply connections to the waterfalls must be protected from potential contamination from the waterfall water. A reduce pressure zone (back-flow) preventer should be installed as specified and required by local and national plumbing codes. All waterfalls equipped with automatic water supply / float valve assemblies, reverse osmosis systems and / or automatic refresh systems should have the lower basin overflow connected to an approved drain. Float valve assemblies should be inspected periodically for wear or damage and repaired / replaced and corrected as necessary. **A water softening system and reverse osmosis water purification is recommended for all waterfalls to reduce potentially damaging hard water deposits from dissolved solids. Our waterfalls and pumps are not warranted for damage caused by hard water. Use only schedule 80 PVC fittings and pipe in the installation of our waterfalls.**

NOTE:  
OZONE SYSTEM MUST OPERATE 24/7 TO CONTINUALLY SANITIZE WATER- DO NOT PROVIDE SWITCH CONTROL TO OZONE SYSTEM DUPLEX OUTLET



IMPORTANT!  
INSTALL OZONE GENERATOR IN A DRY MECHANICAL AREA WITHIN 3' OF OUTLETS

FIG. 1