

The Pulsar® Precision 30 System Specifications

1. The Sanitization System shall be a **Pulsar®** Precision 30 System and shall operate in a non-pressurized manner to ensure optimum safety and ease of operation
2. A 1-1/2" venturi bypass with a 1-1/2" bypass valve and 1-1/2" inlet and outlet isolation valves will be added to the main pool recirculation system as part of the **Pulsar®** Precision 30 System. The venturi bypass will provide the vacuum to evacuate the chlorinated solution.
3. The Sanitization System shall be N.S.F.® listed.
4. The Sanitization System shall incorporate the principle of High Capacity Erosion (HCE) technology. Water shall rise through the grid of the Briquette Basket from the force of an upward facing nozzle contacting **Pulsar®** Plus Dry Calcium Hypochlorite Briquettes. The briquettes shall be in contact with the water for a period creating a chlorinated solution which will exit the dissolving bowl at a specific height and fall into the discharge tank by gravity. The chlorinated solution shall be drawn by the vacuum from the discharge tank and introduced into the recirculation system. The output shall operate with a vacuum range between 5" and 29" Hg.
5. The vacuum is created by a custom venturi supplied by Solenis, which is installed in a bypass plumbed post filter. The venturi provides the suction on the discharge valve evacuating the discharge tank. An emergency overflow switch shall ensure that water flow to the spray manifold is shut off in the unlikely event that the discharge tank has not emptied properly.
6. The System will operate with an inlet water pressure of 5 psig or above and a maximum inlet flow rate of 1.25 gpm (4.7 lpm). The inlet water is supplied post filter of the pool recirculation system.
7. The Briquette Tank shall have a capacity of thirty (30) pounds of **Pulsar®** Plus Dry Calcium Hypochlorite Briquettes.
8. The chlorine output shall be controlled manually by an inlet valve and a flow meter or automated using a solenoid valve and a chemical controller. A maximum inlet flow of 1.25 gpm (4.7 lpm) will provide an available chlorine (**Av.Cl.**) output of **36 lbs./day**.
9. The Sanitization System shall be capable of functioning in temperature between 32 F to 120F [0c to +49c].
10. The Sanitization System shall operate with **Pulsar®** Plus Dry Calcium Hypochlorite Briquettes having 65% minimum available chlorine with a 0.4 to 1.0% scale inhibitor (by weight).
11. The Sanitization System shall be capable of satisfactory performance if installed as per the manufacturer's recommendations (Reference **Pulsar®** Precision 30 Installation and Operation manual). An authorized representative of the manufacturer shall be located within a reasonable distance of the facility and shall be available to install and service the system as required.

12. Manufacturer warrants parts (excluding electrical components) of the Sanitization System to be free of defects in workmanship and material for 2 years from date of installation.