

The Pulsar® Acid Plus System Specifications

1. The Dry Acid Feeder System shall be a Pulsar® Acid Plus System and shall operate in a non pressurized manner to ensure optimum safety and ease of operation
2. The Pulsar® Acid Plus System is **NSF/ANSI 50 certified** for use with Pulsar® pH Down (+4) (sodium bisulfate dry acid).
3. A post filter recirculation loop will be added to the main pool recirculation system as part of the Pulsar® Acid Plus System. The recirculation loop will provide the inlet water supply to the feeder as well as the vacuum to evacuate the acid solution.
4. The Dry Acid Feeder System shall incorporate the principle of spray technology. Water shall spray on to the grid of dry acid (sodium bisulfate). The sodium bisulfate shall be in contact with the water for a short time creating an acid solution which will fall into the discharge tank. The acid solution shall be drawn by the vacuum from the discharge tank and injected into the recirculation system. The output shall operate with a vacuum range between 5" and 29" Hg.
5. The vacuum is created by a Mazzei venturi, model 1585X, which is installed in the post filter recirculation loop driven by a 1hp Pulsar® pump. The venturi is installed on the discharge side of the Pulsar® pump creating a flow through the venturi, which provides the suction on the discharge valve evacuating the discharge tank. An emergency shutoff valve 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 25-45 psig. The inlet water is supplied from the 1hp Pulsar® pump.
7. This system is comprised of a series of nozzles powered by the inlet water flow at a pressure of 25-45 psig.
8. The hopper shall have a capacity of sixty-two (62) pounds of sodium bisulfate.
9. The acid output shall be controlled by an ORP controller. The dry acid solution is 100% soluble with a maximum output of 990 lbs./day.
10. The Dry Acid Feeder System shall be capable of functioning in temperature between 40° F. and 130° F.

11. The Dry Acid Feeder System shall be capable of satisfactory performance if installed as per the manufacturer's recommendations (Reference Pulsar® Acid Plus User Guide and Sell Sheet). 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 Dry Acid Feeder System to be free of defects in workmanship and material for 2 years from date of installation.