

Hydro® Water Treatment Equipment

POSEIDON SOLID DISSOLVERS — CONTINUOUS FEED SYSTEMS

The Poseidon Continuous Feed single product solid dissolver provides diluted solution of one solid product (inhibitor or biocide) held in an integrated reservoir, ready for on-demand pumping when indicated by the system controller. The unit holds two containers of the treatment product, and continually switches back and forth between containers as it senses an empty container.

Features



- ▲ "Toggle-logic" continuously switches to full container
- ▲ Runs off line water pressure (30-90 psi)
- ▲ Uses low cost, reliable float technology
- ▲ Includes adjustable pressure gauge and removable filter
- ▲ Translucent body allows viewing of water level in reservoir
- ▲ Includes back-up reservoir and float assembly for overflow protection
- ▲ Takes advantage of reduced transportation and storage costs, and worker safety benefits of solid chemistry

System Advantages

USES RELIABLE, TIME-PROVEN FLOAT TECHNOLOGY

The dissolver's float technology has been proven in the car wash industry for over 40 years. There are no reed switches to gum up and stick. The result: consistent, reliable performance, reduced downtime, and reduced service calls.

EXTENDS PRODUCT REPLACEMENT CYCLES

The dissolver's unique "Toggle-Logic" technology allows it to sense when the first chemical container is empty, and automatically switches to the second container. Once the second container is empty, the unit switches back to the first container position, which has been replaced with a full product container. This constant seeking and switching allows for a continuous feed of product to the tower or boiler. And the extended time between switching containers is perfect for high volume accounts, or accounts where on-site maintenance is less frequent.

AUTOMATICALLY ADJUSTS TO LOCAL WATER SOURCES

The conductivity sensors evaluate the incoming water source in order to assist in determining when the lack of chemical in the dissolved solution indicates an empty chemical container. If the water source changes seasonally or changes in conductivity for some reason, the unit automatically adjusts to the new source. No input or guessing from the user is required.

System Advantages

DESIGNED FOR CHEMICAL RESISTANCE

Molded parts are made of polypropylene and polyethylene; metal parts are made of Nitronic 50 steel for maximum chemical resistance.

SPECIALIZED NOZZLE TECHNOLOGY

Spray nozzles are molded polypropylene to avoid chemical attack. Four spray patterns are available to ensure optimum dissolve rates.

INTEGRATED BACK-UP PROTECTION

The unit contains a second reservoir and float assembly which is activated should the primary reservoir overflow. This back-up feature shuts off the water flow to prevent system overflow.

Model Information

<u>Model</u>	<u>Description</u>
591	Continuous feed, one product solid dissolver with "toggle-logic", for larger or low-maintenance accounts
Dimensions:	35" W x 31" H x 10" D
Weight:	45 pounds (including water)

Other Models

<u>Model</u>	<u>Description</u>
590	Single product solid dissolver, float-activated, with primary reservoir and back-up float system/reservoir
592	High volume, one product solid dissolver (sprays two bowls simultaneously)
593	Gravity-feed, one product solid dissolver, with solenoid
594	Gravity-feed, one product solid dissolver, with timer
595	Single product solid dissolver, float-activated, with reservoir
596	Modular single product solid dissolver, with solenoid and bowl
597	Modular three product solid dissolver, with solenoids and bowls
598	Venturi injection unit for open-feed systems. 3.5 GPM flow rate
599	Venturi injection unit for open-feed systems. 6.0 GPM flow rate



Hydro[®]
Systems

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