

CONSTANT CHLOR® PLUS

Dry Calcium Hypochlorite Feeding System



Patented technology you can depend on.



Dry Calcium Hypochlorite Feeding System

The Constant Chlor® Plus Briquette Chlorinator is designed to prepare and automatically deliver a consistently accurate dose of available chlorine for disinfection applications. This patented chlorinator can supply up to 250 pounds of AvCl/day.

The chlorinator uses solid dry calcium hypochlorite briquettes. The reservoir is filled with approximate 1.7% available chlorine solution via an electronically controlled spray manifold. Most highly accurate, positive displacement chemical metering pump can be used with this feed system.

The Constant Chlor® Plus dry chemical system greatly reduces the difficulties and dangers of transporting, storing and handling large quantities of gas cylinders or liquid chemicals.

Features:

- Scada compatible for use with manually controlled pumps or speed/stroke controlled pumps
- Mechanically adjusted model controls chlorine dosage via a single speed AC motor and stroke length adjustment
- Mechanically actuated diaphragm pump
- Large 220 lb. capacity calcium hypochlorite hopper
- Solid-state controlled spray cycle
- Automatic solution tank refill
- Optional: Mechanically actuated diaphragm pump with transparent head for visual flow monitoring
- Mechanical overflow-prevention valve
- Pressure relief valve
- Three feed-rate ranges via a 3-step pulley
- Magnetic stir bar to keep unsolubles in solution

Benefits:

- Effective alternative to liquid bleach
- Adjustable
- Consistent and reliable chlorine solutions
- Delivers 250 lbs AvCl per day
- SCADA and modem compatible
- Easy installation and maintenance





Chlorine feed-rate*	12.5 lbs. AvCl/hr @ 24 gph
Discharge Pressure Range	15-150 psig
Water Inlet Size	½ inch, F NPT
Solution Outlet (injector) Size	¾ inch, M NPT
Dry Chemical Capacity	220 lbs.
Site Requirements:	
Inlet Water	2.6 gpm @ 50-150 psig
Electrical	20 amp @ 120V/1ph/60Hz
Operating Temperature	40-120 degrees F

*The chlorinator is preset at the factory on the Middle range. The High and Low ranges are available by adjusting the position of the belt on the metering pump step pulley.



MUNICIPAL APPLICATIONS

- **Remote Well-Sites**
 - **Booster Stations**
 - **Waste Water**
 - **Reclaimed Water**
 - **Surface Water Treatment Plans**
 - **Ground Water Treatments**
- Arch provides municipalities across the country with products that meet the toughest regulatory and health standards, allowing the public to rest easy about the quality of their water supply

Water Treatments



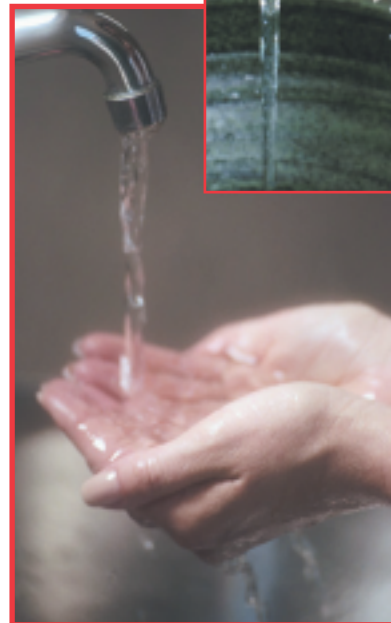
- Controls slime and maximizes cooling efficiency in cooling towers, ponds and reservoirs of power plants
- Controls growth of slime in commercial air conditioning systems, improving cooling efficiency and eliminating unpleasant odors
- Destroys disease producing organisms in raw or treated sewage
- Keeps decomposing septic sewage odors and masonry disintegration in check by "up sewer hypochlorination"

Potable Water

- Provides hypochlorination to disinfect water supplies in smaller communities
- Requires low initial investment
- Maintains economical operating costs

Private Water Supplies

- Sanitizes wells, natural springs, cisterns and storage tanks by destroying harmful organic matter



Constant Chlor® Plus Dry Chlorinator Briquettes

Constant Chlor® Plus Briquettes are designed for use in the Constant Chlor® Chlorinator. The briquettes provide chlorine solution for use in many applications including the treatment of surface and groundwater for municipal drinking water use, as well as the treatment of wastewater effluent.



These patented, pillow-shaped briquettes contain a scale inhibitor designed to reduce maintenance and improve reliability of the feeder system.

Features:

Dry Solid Product

- Longer shelf life than liquid bleach
- Occupies much less space than liquid bleach
- Less hazardous than liquid bleach
- Easier to handle than liquid bleach

Scale Inhibited

- Patented formulation
- Reduces maintenance of equipment

Regulatory

- EPA No. 1258-1179
- NSF Standard 60, Drinking Water Additives
- Meets AWWA Standard B300

Properties

- Available Chlorine (wt%) 65.0% minimum
- Scale inhibitor (wt%) 0.5%
- Weight 7grams (1/4 oz.)
- Dimensions 1 1/4 in x 1 in x 1/2 in
- Appearance Pillow-shaped briquettes

Packaging

Constant Chlor® Plus Dry Chlorinator Briquettes are available in 50 lb. plastic pails.



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