

MC4-50 (NZ) Feeding System

Dry Calcium Hypochlorite For Municipal Applications

Designed via feedback from actual field users, the **MC4-50 (NZ) dry calcium hypochlorite feeding system** prepares and automatically delivers a consistently accurate dose of liquid available chlorine for disinfection applications. This feeding system can supply up to 23 kg of AvCL/day on a sustained basis without the storage and handling issues associated with liquid bleach or chlorine gas. This highly customizable feeder uses EPA approved dry calcium hypochlorite briquettes and a unique spray technology to produce and maintain a fresh liquid chlorine solution.

BENEFITS

- Consistent and reliable chlorine solutions for a host of both public and private municipal applications such as remote wells, booster stations, water treatment plants and water reclamation facilities
- Convenient and easy to use
- Effective alternative to gas and liquid bleach
- Reduced regulatory compliance required including eligibility for Material of Trade (MOT) exceptions for transport
- Internal mixing mechanism enables sustainable homogeneous solution and prevents solids build-up
- Compatible with all types of pumps including positive displacement pumps
- Efficiencies in bulk storage and man hours
- Operates at normal atmospheric pressure and is readily serviceable for refilling and cleaning while in operation
- Eliminates transfer spills and metering pump air locks due to off-gassing
- Pre-plumbed and skid mounted for ease of installation

model **MC4-50 (NZ)**



PILLOW-SHAPED
BRIQUETTES



DELIVER UNPARALLELED
CONSISTENT RESULTS

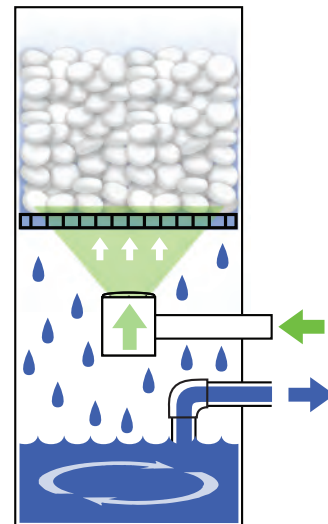


MC4-50 (NZ) Dry Calcium Hypochlorite Feeding System

MC4-50 (NZ) FEATURES AND SPECIFICATIONS

- Unit constructed of high impact HDPE; all wetted areas, internal fittings and level controls constructed of suitable plastics or other non-metallic material
- Utilizes unique spray technology
- Mixing mechanism within solution reservoir
- Automatic solution tank refill with 11 Ltr reservoir
- IP65 electrical panel with 7" colour touchscreen interface
- Delivers up to 23 kg AvCL per day
- Skid mounted with secondary containment and spill alarm
- Platform and power outlet for installing dosing pump
- HTH level monitoring with refill warning and low alarm
- Options - External tank fill / MODBUS comms / remote phone access

The MC4-50 (NZ) feeder utilizes spray technology to spray upward to a well packed bed of briquettes, contacting the entire bottom of the bed evenly. The chlorinated solution flows to the lower reservoir where it is continuously mixed. The accuracy and consistency of the resulting solution requires minimal operator dosage adjustment.



Specifications

Chlorine Delivery Rate* 0 - 23 kg AvCl/day
with 21 C inlet water temp.
Dimensions 132 x 69 x 117 cm
Water Inlet Size 1/2 inch, FNPT
Solution Outlet (injector) Size 1/2 inch, MNPT

Dry Chemical Capacity 34 kgs
Site Requirements:
Inlet Water 7.6 lpm @ 3.11-10.34 bar without dilution
..... 10.0 lpm @ 3.45-10.34 bar with max dilution
Electrical 10 amp / 240 Volt / 50 Hz
Operating Temperature 5 - 40 C

*Delivery rate is dependant on the dosing pump size

CONSTANT CHLOR® BRIQUETTES

When used with **Constant Chlor® Plus Briquettes**, the **MC4-50 (NZ) Feeder** provides the perfect chlorine solution for municipal applications.

- Dry Solid Product
- More stable than liquid bleach
- Occupies much less space than liquid bleach
- Cost effective
- Does not leak
- Scale inhibited
- Low capital cost compared to onsite generation
- Small pillow-shaped briquettes provide an optimum spray bed pack resulting in outstanding solution consistency
- Reduces maintenance of equipment



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

TYPICAL PROPERTIES

- Available Chlorine (wt%) 68%
- Scale Inhibitor (wt%) 0.5%
- Weight 0.25 oz. (7.0 grams)
- Dimensions approx 35mm x 19 mm x 13mm



Automatic. Accurate. Consistent.

www.lonzawatertreatment.com