



## **COIN / BILL BULK WATER DISPENSERS – VOLUME**

The timed Coin Bulk Water Dispenser consists of the following pieces of equipment:

- Wall Mounted Coin Acceptor Box
- Coin Acceptor Mechanism and or Bill Acceptor
- Cer-Pak Water Batcher
- Meter
- Solenoid Valves
- Power Supply
- Backflow Prevention Device

The Coin Acceptor Box is a aluminum heavy gauge flush wall mounted box. The front of the box has a Reset Switch, Coin Slot, and a Coin Reject Slot and / or a Bill Accept Slot

The coin mechanism is entirely electronic. There are no moving parts. It can be programmed for up to 12 coins. The coins may be any denomination and or a token. The Coin Acceptor is programmed for the lowest coin value and the other coins are programmed for multiples of that value. The lowest coin value represents a volume, which is a batch. Other coins or tokens can be multiples of the batches. The bill validator may be integrated with the coin acceptor. The \$1.00 bill would be four times the quarter and the \$5.00 would be twenty times the quarter

The Cer-Pak Water Batcher is located inside the station. It has three functions. First, the volume of the batch is set here. For example .25 may be 50 gallons. This volume must be a multiple of the pulse value from the meter. Second, the Cer-Pak is connected to the meter and receives and counts pulses from the meter. Third the Cer-Pak controls both the main solenoid and the drain solenoid.

When a coin is inserted, a pulse is sent to the Cer-Pak to signal a batch or batches. It closes the relay and operated the solenoids. As water flows, the meter pulses and signals the Cer-Pak. When the batch total is reached, the relay is opened and the solenoids deactivated.

Multiple coins or bills may be inserted initially. The Cer-Pak will count up the total number of batches and dispense accordingly.

The reset switch will reset the Cer-Pak to zero batches and deactivate the solenoids until another coin or bill is inserted.