

## Pulsar Chlorinators

The Pulsar brand of chlorinators is designed to use granular chlorine (specifically calcium hypochlorite) that has been compressed into small briquettes or pucks. The feeder holds a supply of the pucks, the feeder directs water onto the pucks dissolving them, creating a bleach solution which is then feed into the pool. All the feeders have an on/off control so they can be controlled by a manual switch, timer, or pool chemistry controller, and use a venturi, sometimes combined with a booster pump to feed the chemical solution into the pool.

Several characteristics need to be considered before choosing to use granular chlorine. This product is very high in calcium, some insoluble, so it is not suitable for use where the source water is already hard; that is high in dissolved minerals, especially calcium.

Normal backyard chlorinating pucks are not the same as Pulsar Briquettes, they are made of **stabilized** granular chlorine, and the two products **cannot** be mixed, they are chemically not compatible, there is a possible explosion hazard. The feeders are not maintenance free, and will require regular cleaning as the calcium binder used in the pucks tends to cause clogs over time

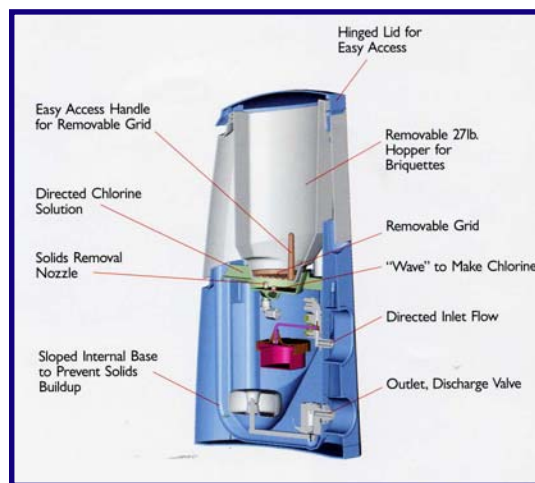
The Pulsar I Feeder is small, and produces the equivalent of 0 to 16 pounds of gas chlorine per day, making it suitable for Hot Tubs, and small pools, up to approximately 50,000 gallons. This would include small outdoor (residential) pools and medium sized indoor pools. The feeder comes with a venturi designed to be powered by the pool circulation pump, and a solenoid for on/off control.

The Pulsar 3 Feeder is larger, designed to feed up to 78 pounds of gas chlorine equivalent per 24 hour day. This would be suitable for most 25 to 35 meter indoor pools, and most 25 meter outdoor pools, up to approximately 250,000 gallons. The hopper holds a supply of 62 pounds. This feeder comes with an installation kit that includes a booster pump, venture, and solenoid valve. The booster pump ensures adequate water supply through the venturi for proper system operation. (the same as in any gas chlorine system)

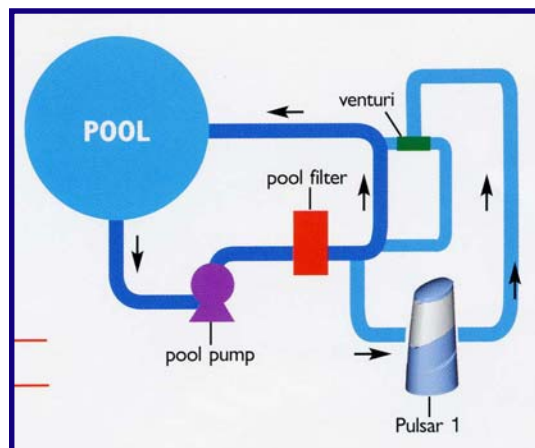
The Pulsar 4 Feeder is the biggest, designed to feed up to 234 pounds of gas chlorine per day, and the hopper holds a supply of 200 pounds, making it suitable for large indoor and outdoor pools. The installation kit also has a booster pump, venture, and solenoid valve. FOB Factory.

| Item No  | Description                                   | Price       |
|----------|---|-------------|
| 12 24 50 | Pulsar 1 Feeder                               | \$1339.20   |
| 12 24 51 | Pulsar 3 Feeder                               | \$2925.00   |
| 12 24 52 | Pulsar 4 Feeder                               | \$6116.50   |
| 12 24 53 | Pulsar Briquettes                             | \$4665.60   |
|          | Pallet lots only (24 X 25Kg)                  | FOB Factory |
| 12 24 54 | Generic Cal Hypo Pucks                        | \$3726.00   |
|          | Pallet Lot only (24 x 25 KG) FOB N. Vancouver |             |

Parts available on request.



Pulsar 1



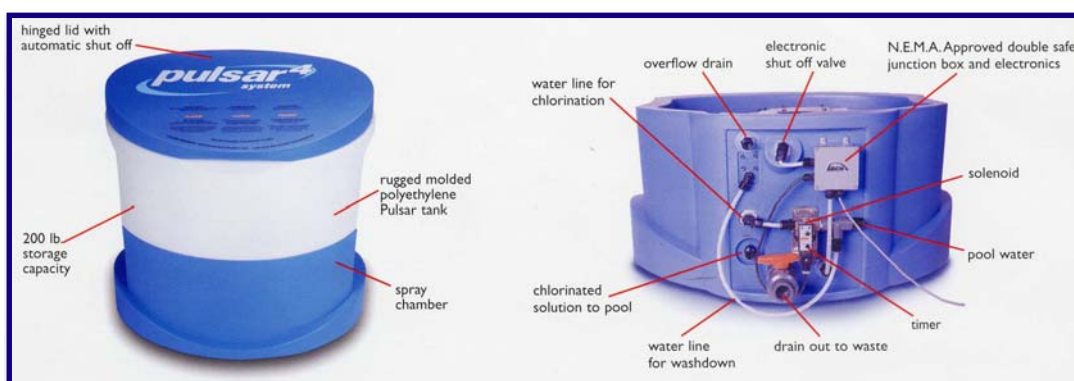
Pulsar 1 System



Pulsar 3



Pulsar Briquettes



Pulsar 4