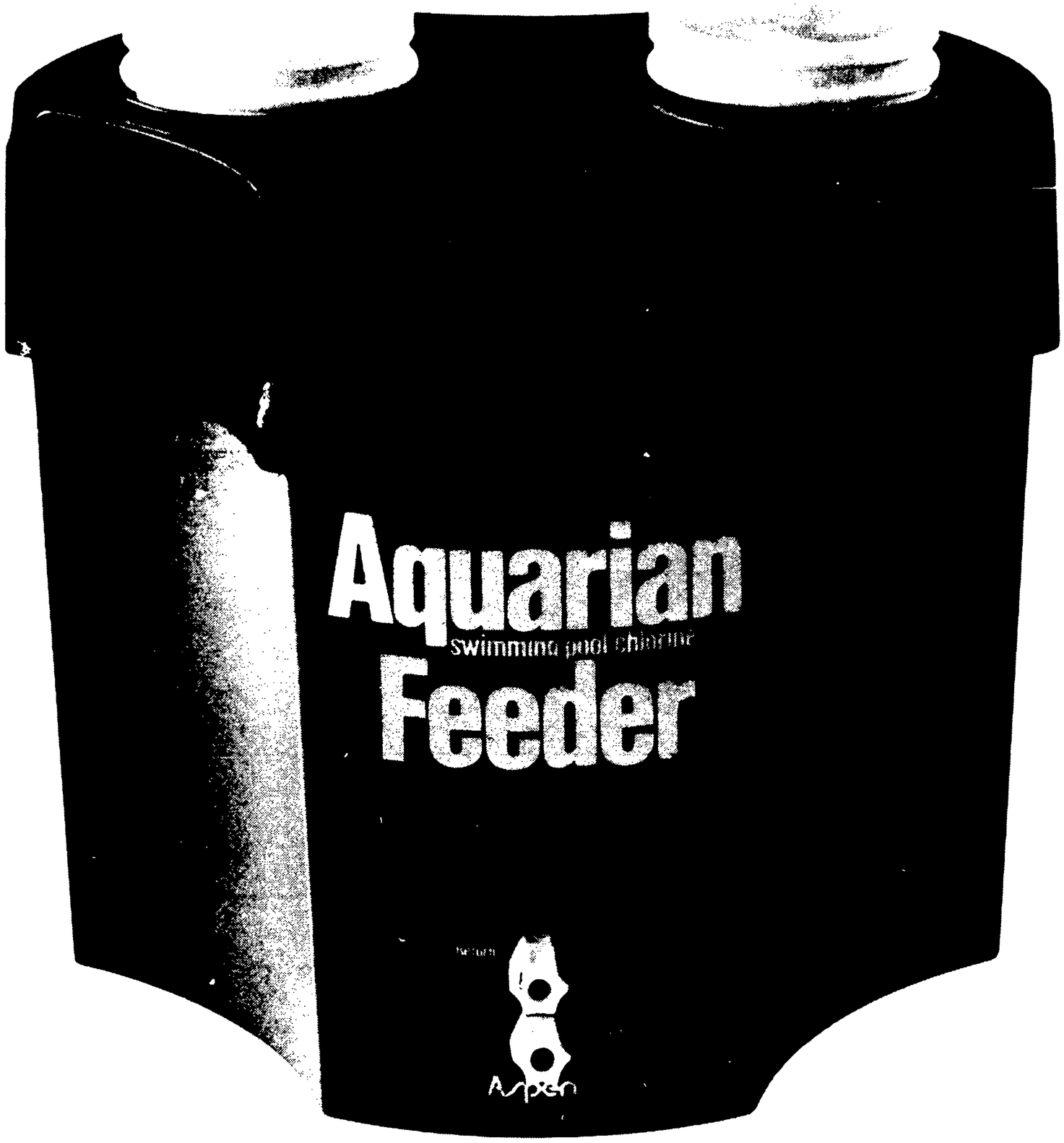
Installation and Operation

Aquarian
swimming pool chlorine
Feeder

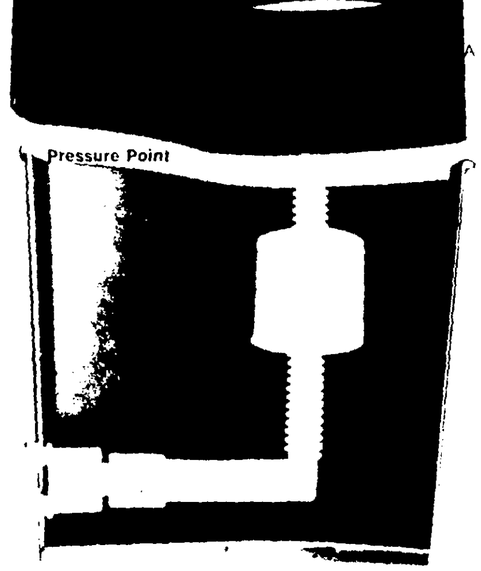
Automatic chlorination for in-ground and above-ground swimming pools

Tabex



Tobey®

and Their Relationship



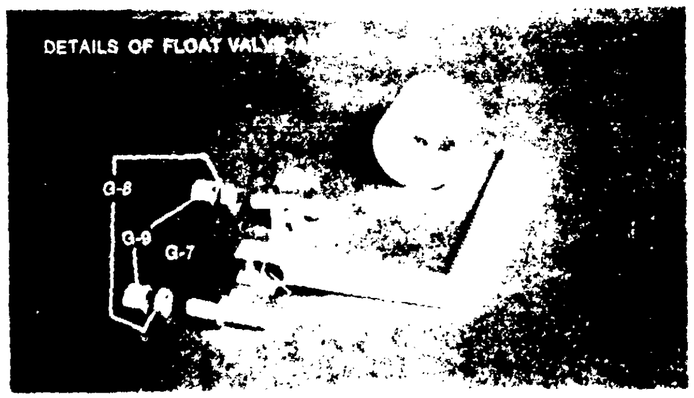


Figure 5. Aquarian Feeder Parts and Their Relationship

Tools required

Installing the Tabex Aquarian Feeder

[illegible] Tabex Aquarian Feeder [illegible] [illegible] near the pump and [illegible] in the [illegible].

Open the feeder parts [illegible] against Figure 5 to be sure [illegible] the components are enclosed. [illegible] the tube locking nuts (G-9) and compression nuts (G-8) from the inlet and outlet [illegible] (G-5 and 6) respectively. *Do not remove the two-hole gasket (G-7).* Check the inlet and outlet [illegible] to be sure they are free of any obstruction. (Blow air through them.)

Install the float arm assembly (G) inside the tablet-dissolving chamber (B) by inserting the inlet and outlet [illegible] through the holes provided in the [illegible] of the chamber. Replace the compression nuts on the inlet and outlet [illegible] and **hand tighten** to hold the float arm assembly in place.

Half fill the feeder chamber with water and check for leaks where the orifices come through the wall. Tighten the compression nuts only enough to stop any leaks, then empty the chamber. *[illegible] tightening nuts may cause plastic to deform and aggravate a leaking condition.*

Shut the pump off. Using Figure 1 as a guide, select a spot on the **side** of the return line to the [illegible] that will accommodate the [illegible] assembly (E) (Point [illegible] Figure [illegible]). **A horizontal section of pipe is preferred to a vertical section.** Drill a [illegible] pipe and remove all the burrs with a knife or file. Insert the tube pipe fitting and clamp it in place. Keep the fitting perpendicular to the pipe [illegible] good gasket seal.

[illegible] tubing (C) [illegible] end with the check valve [illegible] installed and cut off a length of tubing [illegible] enough to reach from the feeder to the saddle clamp [illegible]

[illegible] **Hand tighten the tube locking nut.**

[illegible] the tube pipe fitting [illegible] return line [illegible] **Hand tighten the tube locking nut.**

[illegible] **side** [illegible] [illegible] Figure 1. **Make this connection as near the pump as possible.** [illegible]

[illegible] feeder [illegible]

After [illegible] burrs. Insert the tube-pipe fitting and clamp it in place. Keep the fitting perpendicular to insure a good [illegible].

Attach one end of the remaining [illegible] tubing to the tube-pipe fitting [illegible] by inserting it through the [illegible] locking nut into the tube-pipe fitting.

Secure the tubing by hand tightening the tube locking nut. Insert the other end of the tubing through the remaining tube locking nut (G-9) and into the outlet [illegible] (G-6) protruding from the bottom [illegible] the feeder chamber (marked "Suction"). **Hand tighten the tube locking nut.** The tubing may be cut to the most convenient length. Longer lengths of tubing, if needed, are available from your Tabex [illegible] supply dealer.

An [illegible] connection can be made on the suction side if the [illegible] has a drain plug. Remove the drain plug and clean out any rust or sediment. The [illegible] usually is [illegible] size. It is necessary to reduce it to [illegible] pipe size [illegible] feeder [illegible] tubing [illegible] pipe fitting with an appropriate bushing available from your hardware or plumbing supply store.

Remove the tube-pipe fitting from the saddle clamp assembly. The [illegible] tube pipe fitting [illegible] Replace the tube locking [illegible]

[illegible]

[illegible] Lift the float arm [illegible] the [illegible] tubing.

[illegible] float arm [illegible] the feeder chamber. A [illegible]

How to determine capacity of pool

CALCULATING
POOL CAPACITY

WARNING.

Problem Solving

1. Pump loses prime

A. Look for debris in check valve.

B. Check for air leakage on suction side.

2. Not able to hold adequate chlorine residual (1-1.5 ppm) by test during first few days of operation

A. Check pool water for proper 30 ppm conditioner level.

B. Were the cap(s) removed from the

C. Are sufficient tablets immersed?

D. Was the pool shock-treated?

E. Is the pH too low?

F. Inadequate water flow

G. Inadequate flow into feeder

3. Feeder overflowing

Is feeder above pool water level?

4. Algae in pool

Insufficient chlorine.

Have you tried these other Tabex products?

Aspen

Tabex

Feeder operation

[illegible] demand.

It [illegible] that the water be tested daily and any [illegible] the feed rate be made [illegible] float or the position of the Tabex Can[illegible]

The recommendations [illegible] Tabex Chlorine Tablets and the Aquarian Feeder are based on the presence of at least 30 parts per million of cyanuric acid conditioner in the pool water. A one-time application of Tabex Conditioner at the rate of one pound per 4,000 gallons of water [illegible] Tabex Chlorine Tablets are used and the pool is not drained. *If you are not certain [illegible] with your Tabex pool products [illegible] about the [illegible] conditioner [illegible] Take a sample [illegible] for testing.*

At the time of feeder startup, the pool should be shock-treated by raising the chlorine level to at least 4 or 5 parts per million (ppm). The superchlorination insures that any initial chlorine demand is satisfied and gives the feeder a chance to reach its optimum chlorine output.

Set the water level in the feeder chamber so that approximately one Tabex Chlorine Tablet will be immersed for each 5,000 gallons of water in the pool. A reduction in tablet exposure may be made later on the basis of [illegible] test readings. The rate [illegible] at higher at the [illegible] adequate chlorine read[illegible] each 8-10,000 gallons [illegible] normal pool [illegible]

[illegible] recommendations for tablet exposure [illegible] feeder are based on aver[illegible] [illegible] Remember that [illegible] adjust the feed [illegible] demand.

[illegible]

The feeder is not designed to perform the [illegible] Tabex Rapid Chlor Tabs [illegible] from your Tabex dealer [illegible] purpose by [illegible] the skimmer.

Adjustment

To meet the variable needs of different [illegible] water temperature [illegible] demand factors [illegible] one to six Tabex Tablets can be [illegible] by simple adjustment of canisters and float. (Figures [illegible]) A dust cap is provided for when [illegible] feeder canister is in use.

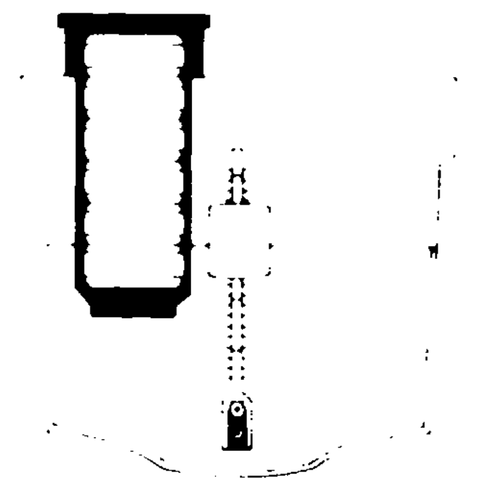


Figure 7
[illegible]

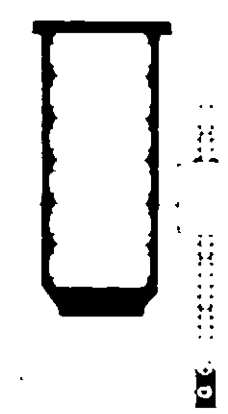


Figure 8
[illegible]

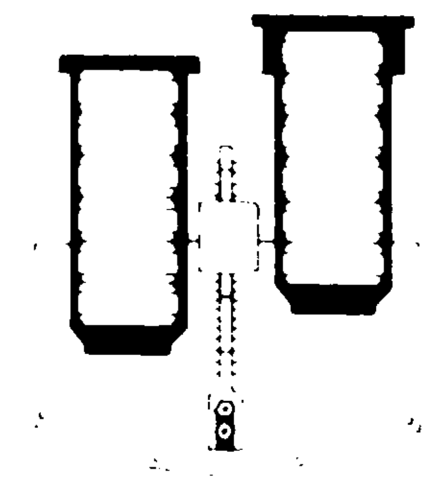


Figure 9
[illegible]

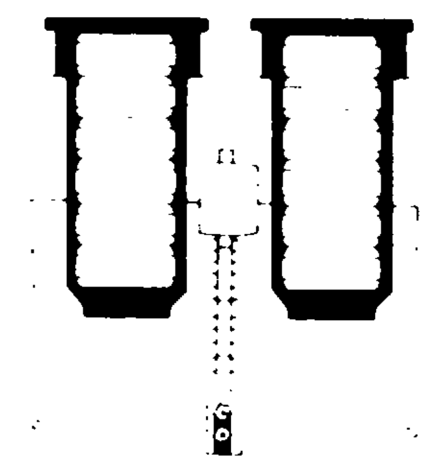


Figure 10
[illegible]

Winterizing the feeder

When pool is to be shut down, disconnect feeder tubing from pool suction and return lines and from the feeder. Remove canisters and all tablet pieces from feeder chamber. Empty liquid contents of feeder chamber into pool. Wash out feeder and float control system with warm water. Flush out tubing. Store in a warm dry area. Allow unused tablets [illegible] dry [illegible] well-ventilated area away from [illegible] and equipment. *Use Tabex Winterizing Kit to protect pool [illegible]*

More fun, less work for pool owners

Introduction to your Tabex Aquarian Feeder

Read carefully before starting to assemble feeder.

The Tabex Aquarian Feeder is designed and engineered for installation on residential swimming pools equipped with water circulation and filtration systems. It can be used on both in-ground and above-ground pools when installed as directed.

How it works

The feeder consists of a chamber in which Tabex slow-dissolving chlorine tablets are suspended in a canister. The feeder chamber is connected to the pool circulation system by ¼" diameter tubing.

A small portion of the circulating pool water is diverted into the feeder chamber through the tubing connected to the return line to the pool. The water is chlorinated in the feeder and returned to the suction side of the pump. (See Figure 1.)

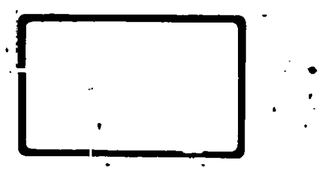


Figure 1 Top View of Feeder on Recirculation System

The quantity of chlorine liberated into the water is adjusted by exposing one or more Tabex chlorine tablets. This may be accomplished by changing the level of water in the feeder chamber or by adjusting the level of the canister.

A check valve is provided in the return line tubing. The check valve prevents loss of prime to the pump.

Locating the feeder

Adequate suction at the pump and pressure in the return line to the pool are essential to successful operation of the Tabex Aquarian Feeder. The most desirable location for the feeder chamber is near the filtration equipment and above the level of water in the pool.

Figure 2 shows the most desirable installation for the Tabex Aquarian Feeder. The filtration equipment for the in-ground pool is located at or above the level of the water in the pool and the feeder is adjacent to the filter and pump.

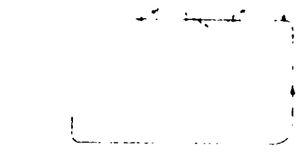


Figure 2. Normal in-ground pool installation

Where the filtration equipment is below the pool water level (Figure 3) the feeder should be elevated to the level of the water in the pool or higher, with longer tubing used if necessary to connect the feeder to the circulation system.

Figure 3 In-ground pool with pump and filter located below ground

Below water level installation is not recommended. ***If a feeder must be located below water level, the check valve must be reversed and inserted into the water outlet tube to prevent possible flooding. Professional installation is recommended.***

For an above-ground pool (Figure 4), installation is not unlike that [illegible] which the filtration equipment is located below the pool water level. The feeder should be located on a deck at the pump and filter if at all possible. A simple feeder bracket [illegible] able for the Tabex Aquarian Feeder at a reasonable cost. The bracket attaches to a support post of the pool.

On above-ground pools with feeder located above pool water level, [illegible] check valve.

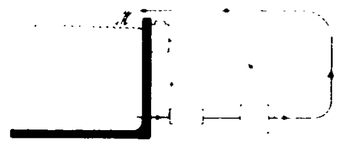


Figure 4 Above-ground pool installation

NOTE. [illegible]

FREE PLASTIC MEASURING CUP PACKED INSIDE

DIRECTIONS:

1. Adjust pool water pH to 7.2–7.8 range as determined by suitable pH test kit. Use Tabex pH Up (if pH is low), Tabex pH Down (if pH is high) or Tabex pH Stabilizer (if water alkalinity is 100 ppm).

2. Stabilize pool water with 30 ppm conditioning agent by adding one lb. of Tabex Conditioner for each 4,000 gallons. Thereafter, regular use of Tabex Chlorine Granular will provide any needed makeup conditioner.

3. Before first use of Tabex Chlorine Concentrate Granular, superchlorinate (shock treat) pool water to 4 ppm chlorine residual by adding 9 oz. of Tabex Chlorine Concentrate Granular for each 10,000 gallons of pool water with dosage to be repeated until residual is obtained as determined by use of a chlorine test kit. Before using pool, allow chlorine residual to return to 1.0-1.5 ppm level as determined by use of a chlorine test kit.

4. Add 2½ ounces every other day (or 1¼ ounces daily) or more as needed of Tabex Chlorine Concentrate Granular per 10,000 gallons of pool water as determined by use of a suitable chlorine test kit to maintain a chlorine residual of 1.0 to 1.5 ppm at all times.

5. During the summer and peak bather loads, superchlorinate (shock treat) pool water to 4 ppm chlorine residual with Tabex Rapid Chlor Tabs as directed on that container label. Failure to superchlorinate could result in growth of pool water algae. For such a condition, use Tabex Algae Out as directed on the container.

Aspen
TULLY, NEW YORK 13159

MORE FUN / LESS WORK FOR POOL OWNERS

Tabex®

Chlorine Concentrate Granular

DANGER: KEEP OUT OF REACH OF CHILDREN. See other precautions and antidote on side panel.

Active Ingredient: Sodium Dichloro-s-Triazinetrione 100%
(Available Chlorine 60%)

Tabex Chlorine Concentrate Granular is a stabilized chlorine which will provide effective control of bacteria and algae when used as directed. For the convenience of continuous, automatically fed chlorine and relief from frequent hand feeding, try the Tabex Aquarian Feeder with its patented slow dissolving tablets. For free bulletins on pool water chemistry, write the manufacturer, Dept. A, giving pool size, gallonage and type (for example: gunite or vinyl; above-ground or in-ground).

DANGER: May cause eye damage. Harmful if taken internally. May cause burns on wet skin. Rinse hands after handling. Strong oxidizer: Do not mix with any other chemical—mix only with water. Do not get into eyes. If in eyes, rinse with cold water, call physician. Avoid inhalation of dust and vapors. Keep away from organic matter (may cause fire), heat or open flame. Keep dry—chlorine and equally toxic gases liberated when wet. Do not reuse container. Destroy when empty.

Antidote: Drink milk of magnesia, vegetable oil or whites of eggs and call physician.

This product is toxic to fish. Treated pool water should not be discharged where it will drain into lakes, streams, ponds or public water.

Net Weight: 4 lbs.
EPA Reg. No. 9087-5
Product No. 251

DIRECTIONS :

1. Adjust pool water pH to 7.2-7.8 range as determined by suitable test kit
2. Stabilize pool water with 30 ppm conditioning agent (100% cyanuric acid).
3. Before first use of the feeder canister, superchlorinate (shock treat) pool water to 4 ppm chlorine residual, as determined by use of a chlorine test kit. Avoid entering pool until the chlorine residual drops to 2.0 ppm.
4. Before using the feeder canister, remove bottom cap (to permit water circulation) and remove tab over vent hole in top lid (to avoid air lock).
5. Maintain a chlorine residual of 1.0 to 1.5 ppm at all times (as determined by daily or more frequent use of a chlorine test kit) by immersing one Tabex chlorine tablet (or more until residual is obtained) in the Tabex Aquarian Feeder for up to 10,000 gallons of pool water per tablet. By the positioning of the canister in the feeder and or adjustment of the water level in the feeder chamber, up to three tablets in a canister may be immersed. Two canisters may be inserted into the feeder; thus up to 6 tablets may be immersed at one time. This canister of tablets is designed for use in the Tabex Aquarian Feeder only. Tablets in canister should not be emptied directly in the pool as discoloration of the pool liner or paint could occur.
6. During the summer and peak bather loads, superchlorinate (shock treat) at least twice monthly as directed in "3" above. Failure to superchlorinate could result in growth of pool water algae. For such a condition, use Tabex Algae Out as directed on container.
7. Replace canister when last tablet drops into feeder.

Avpen

MORE FUN / LESS WORK FOR POOL OWNERS

Tabex®
Chlorine Tablets
Feeder Canister

DANGER: KEEP OUT OF REACH OF CHILDREN. See other precautions and antidote on side panel.

Active Ingredients
Trichloro-s-triazinetrione 95%
Inert Ingredient 5%
(Available Chlorine 85.5%)

CONVENIENT, ECONOMICAL POOL CHLORINATION

This canister containing 6 patented (U.S. Patent 3,325,411) slow dissolving, completely soluble Tabex Chlorine Tablets has been expressly designed for use with the Tabex Aquarian Feeder to provide a continuous, economical chlorine supply for control of bacteria and algae when used as directed.

DANGER: May cause eye damage. May be fatal or harmful if swallowed. May cause burns on wet skin. Rinse hands after handling. Strong oxidizer: Do not mix with any other chemical—mix only with water. Do not get into eyes. If in eyes, rinse with cold water, call physician. Avoid inhalation of dust and vapors. Keep away from organic matter (may cause fire), heat or open flame. Keep dry—chlorine and equally toxic gases liberated when wet. Do not reuse container; rinse thoroughly with water and discard.

Antidote: Drink milk of magnesia, vegetable oil or whites of eggs and call physician.

Treated pool water should not be discharged directly into lakes, streams or ponds.

Contents 6 7.33-oz. tablets
Net Weight 2 lbs. 12 oz.
EPA Reg. No. 9087-4
Product No. 180

20