

**AUTOMATIC CHLORINATOR OR BROMINATOR DOSIFYER
DOSEUR AUTOMATIQUE DE CHLORE OU BROME
DOSIFICADOR AUTOMÁTICO DE CLORO O BROMO
DIFFUSORE AUTOMATICO DI CLORO O BROMO
AUTOMATISHER CHLORDOSIERER
DOSIFICADOR AUTOMATICO DE CLORO OU BROMO**



*INSTALLATION AND MAINTENANCE MANUAL
MANUEL D'INSTALLATION ET D'ENTRETIEN
MANUAL DE INSTALACIÓN Y MANTENIMIENTO
MANUALE DI INSTALAZIONE E MANUTENZIONE
EINBAU-UND BETRIEBSANLEITUNG
MANUAL DE INSTRUÇÕES E MANUTENÇÃO*

ASTRALPOOL 

IMPORTANT: The instruction manual you are holding includes essential information on the safety measures to be implemented for installation and start-up. Therefore, the installer as well as the user must read the instructions before beginning installation and start-up. Keep this manual for future reference.

In order to achieve optimum performance of the feeder, we recommend that you follow the instructions below:

1. CHECK THE PACKAGING:

Inside the packaging you will find the following components (See figure pag. 14).

Model "IN LINE" (24429) To thread

Lid
Lid securing ring
Control valve
Lid gasket
Purge valve
Gasket draining-plug
Socket with screw thread 1 1/2"
Nut 2 1/2"
Round gasket entrance
Body dosifier

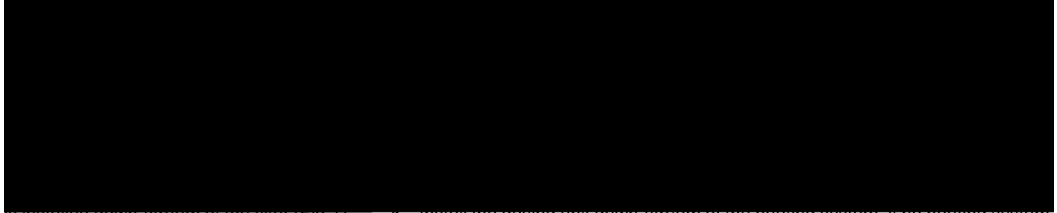
Model "BY-PASS" (24430)

Lid
Valve
Control valve
Lid gasket
Purge valve
Gasket draining-plug
Adaptor 3/8"
Clamp
Non-return valve
Adaptor conduit-pipes
Gasket adaptor conduit-pipes
Flexible tube
Flange conduit-pipes
Pipe connector D.50
Body dosifier

The chemical dosing unit has been designed for installation in your pool's return line, down stream of the heating and filtration equipment, for use with slow dissolving tri-chlorine tablets (CTX-370) or bromine tablets (CTX-130). NEVER use any other product in the dosing unit. The quantity of sanitiser can be easily adjusted to give you the required residual by way of the easy to use inlet valve.

2. INSTALLATION OF "IN LINE" MODEL (Code 24429)

1. Install the dosing unit down-stream of the heating system, if no heating system is installed down-stream of the filter (Fig. 1).



is installed down-stream of the filter (Fig. 1).

tape. **Do not overtighten.**
ter outlet level, in order to avoid the gases
w the pool water level, isolating ball valves
e maintenance. **We strongly recommend**
nk, should a situation arise where water

na by-pass as in (fig.2) to allow the correct
: flow.

ossible. Do not install in copper pipework.

1. Install the dosing unit down-stream of the heating system, if no heating system
Do not install in upper pipework.
2. Connect the unit to the pipework via the 1 1/2" union connections using PTFE
3. Ideally, the dosing unit should be installed above water level, but below the fil
being trapped when the pump is shut down. If the unit has to be installed belo
MUST also be installed before and after the dosing unit in order to allow futur
the fitting of a non-return valve to protect the plant from chemical attac
syphons back through the system.

SPECIAL CASE

in installations with a flow of greater than 3.300 g.p.h. (15 m³/Hr), install the unit oi
adjustment of the dosing rate, and to avoid damage to the unit caused by excess

3. INSTALLATION OFF "BY-PASS" MODEL (Code 24430) (Fig. 3)

1. Position the dosing unit on a level surface as close the folter and pump as po

CONNECTING THE DOSING TUBE TO THE PIPEWORK

The dosing tube connecting nipples and retaining clips are designed for use on 1 1/2" (50mm.) and 2" (63mm.) pipework.

- 8. INLET CONNECTION:** Locate the inlet connection in the pipework as stated above in point 2. Drill a 3/8" (10mm) hole and remove any burrs. Put the dosing tube connecting nipple and its gasket through the hole and secure by doing up the retaining jubilee clip firmly. (Fig.5).
- 9. OUTLET CONNECTION:** Locate the outlet connection in the pipework as stated above in point 3. Drill a 3/8" (10mm.) hole and install as per the outlet connection in point 8.
- 10.** Connect the dosing tube to the nipple following the instructions in point 7. Run the system prior to adding any chemicals and check to ensure there are no leaks.

4. DIRECTIONS FOR USE

Before commissioning your dosing unit, ensure your pool has an adequate chlorine or bromine residual by adding chlorine or bromine as per the manufacture's recommendations. The residuals should be:

Residual chlorine	0.5 - 2 ppm.
Residual bromine	1 - 3 ppm.

The consumption of chlorine or bromine in bromine in swimming pools varies according to use, temperature, exposure to sunlight and other factors. Initially you will need to experiment with the inlet valve to ensure that the unit doses enough chemical to maintain the above residual. Start with the valve in the middle position. Test the residual regularly and open the valve a little more if the residuals is not being reached or close a little if it is being exceeded. When you have reached a point where the residual is being maintained by the unit during the course of a normal use, leave the valve set in this position.

OPENING THE UNIT

- Before opening, allow the dosing unit to run for 15 minutes.
- Turn off the pump and turn the control valve of the "OFF" position, after first making a note of its running position. Close the valves on the return line to avoid the system draining then wait a minute before removing the lid.
- Apply pressure on the safety strip and turn the cover nut counter-clockwise. **DO NOT INHALE THE FUMES FROM THE FEEDER.**

RELOADING

Keep an eye on the tablet level in the unit, reload preferably BEFORE they run out.

- Empty the unit of water until it is about 1/3 full and place the new tablets carefully inside.
- Re-fill the unit with water up to about 1 cm. from the top.

CLOSING THE UNIT

- Replace the lid, ensuring the lid gasket is in place, into its recess in the dosing unit body. Tighten the lid locking ring hand-tight by turning it clockwise.
- Return the inlet control valve to its normal running position, open all valves and switch on the pump.

5. WINTERISING YOUR UNIT

If the plant room is subject to freezing conditions, it will be necessary to drain your dosing unit following these instructions:

- Remove the drain plug and the dosing unit lid.
- Remove any remnants of undissolved chemical tablets, following the safety precautions for safe handling mentioned above and in the manufacturer's instructions, and rinse out the body with clean water.
- Allow the unit to drain down then replace the drain plug and loosely replace the lid without tightening the locking ring fully.

6. SAFETY WARNINGS

DANGER OF FIRE OR EXPLOSION (Read carefully)

Only use slow dissolving Tri-Chlorine tablets or Bromine tablets in this chemical dosing unit and NEVER mix different chemical products together. Failure to observe the above warning could result in an explosion and fire.

Never open the dosing unit lid when the unit is running. Before doing so, turn off the pool circulation pump and close all valves. Ensure you take the following precautions: Do not smoke, wear adequate eye and hand protection and avoid inhaling any gas that may be released. Apart from occasions when the unit needs to be re-filled or maintained, always ensure that the return line back to the pools is open to avoid the accumulation of any gases.