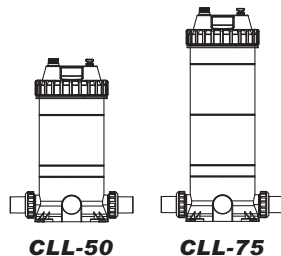


EMAUX CLL Series Automatic Chlorine Feeder

Keep the manual for future reference

EMAUX CLL series automatic chlorine feeder is designed to be used side by side with your filtration system. The feeder is driven by the pressure difference between its outlet and inlet which pushes water through it. It uses slow-dissolve Trichloro-S-Triazinetrione (Tri-Chlor) large or small tablets (or sticks) only. You should NEVER use other type of chemical. CLL50 can hold up to 6kg of tablets while CLL75 can hold up to 11kg. Such capacity should be able to provide 3 to 6 weeks' chlorination for large pools. The feeder has a true union ball valve to adjust the flow rate through itself, by regulating the valve setting and the amount of Tri-Chlor tablets placed in the feeder, the chlorine feed rate needed to maintain the proper chlorine level of your pool can be readily tuned.



READ CAREFULLY AND KEEP THE MANUAL FOR FUTURE REFERENCE.

WARNING:

This feeder can ONLY be used with slow-dissolving Tri-Chlor. DO NOT mix with other type of chlorine or chemicals, otherwise it may cause explosion or fire.

Great care must be taken while opening the feeder. Always switch off pump and close all available valves before opening. Do not inhale fume from any chemical feeder or container.

Always protect your eyes, skin and clothing from any chemical.

DO NOT open a feeder while the pump is running.

To prevent gas from building up in the feeder, make sure the pool return line valve is kept open except when opening or servicing. Always read the labels, warning information and closely follow chlorine manufacturer's and or dealer's recommendation for proper conditioning and daily chlorine requirements for your particular pool and area.

DIRECTIONS FOR USE

Before starting up your chlorine feeder your pool/spa should be properly conditioned with a chlorine level of 1.0 to 1.5ppm. Directions and instructions from dealer chemical manufacturer and dealer should be followed.

The chlorine demand for pools and spas varies according to load, usage, temperature, sunlight etc. Initially you should experiment to determine the proper amount of chlorine and the correct check valve setting required for our pool and filter time cycle. Check chlorine residual daily and adjust the dial valve for more or less chlorine. Increasing the quantity of chlorine in your feeder will extend the recharging cycle.

OPENING THE FEEDER LID

- 1) Turn off the pump and close off inline check valve if any to prevent backflow; unscrew Air Release Valve on the Lid and wait for 1 minute.
- 2) Turn the Ring Lock of the Lid anti-clockwise to open the Lid.

 **Caution: DO NOT inhale the gas from the feeder.**

CLOSING THE FEEDER LID

- 1) Ensure the o-ring is properly placed to the Lid, align the Lid to the Cartridge Filter Body.
- 2) Engage thread with the Ring Lock and turn clockwise to tighten.
- 3) Tighten Air Release Valve.
- 4) Set the check valve (not included) to the desired position then open inlet valve (if available).
- 5) Restart pump.

VACUUMING

Close check valve (not included) to avoid bypass of sediment and possible clogging of control valve when Vacuuming.

CHANGE O-RING

- 1) The steps under "OPENING THE FEEDER LID".

- 2) Before replacing O-ring make sure the all liquid has been discharged (by removing the bottom drain plug).
- 3) Replace the o-ring and lubricate the surface of the o-ring before closing the Lid.
- 4) Fasten the bottom drain plug.
- 5) Follow the steps under "CLOSING THE FEEDER LID".

Warning: DO NOT use petroleum type of lubricants on the O-ring; Vaseline is recommended

WINTERIZING

When cold weather is forthcoming, drain all water in the feeder by loosening the Bottom Drain Plug. Open the feeder lid and with chemical resistant gloves on carefully take out the undissolved tablets and rinse the feeder thoroughly with water then put the cover back.

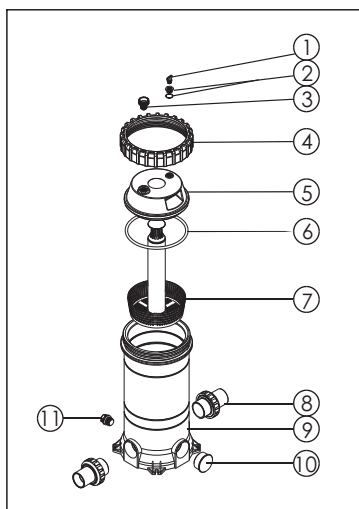
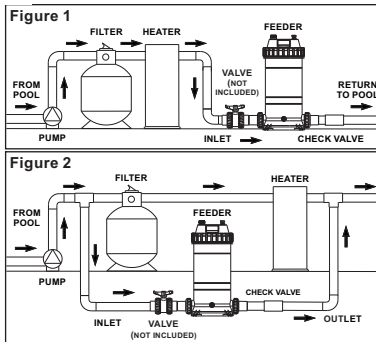
INSTALLATION

Position the chlorinator on level surface as close to the filter and pump as possible. The preferred installation is above water level and below filter or heater outlet (Figure 1); or is offline with feeder inlet connecting to the pump outlet and feeder outlet behind the heater outlet.

An inline positive seal corrosion-resistant check valve is to be installed to reduce backflow of chlorine gas when the system is shut off and to control the follow of water to the feeder. If the chlorine feeder must be located below water level, a check valve is needed to prevent water backflow when opening the unit as well as to control the flow of water.

The CLL series feeders feature with two inlets, either one can be chosen to meet the installation requirements and seal the other with the supplied plug and PVC glue.

Note: After installation start up the system to perform leakage check, re-tighten if required. This installation can only apply to imperial/metric 1.5" pipes. The feeder can be fixed onto the installation surface by tapping screws and 4 securing holes in its base.



CLL-50 / CLL-75 PART LIST			
Key No.	Part No.	Description	Qty
1	89440309	Drain Plug with O-Ring	1
2	89440313	Connector for Pressure Gauge/Stopper with O-Ring (Viton)	1
3	89440310	Air Release Valve with O-Ring	1
4	01021006	Ring Lock for Cartridge Filter	1
5	01011020	Lid	1
6	02080003	O-Ring for Lid	1
7	89440301	CLL-50 Diffuser Assembly	1
7	89440302	CLL-75 Diffuser Assembly	1
8	89440311	1.5" Union	2
9	89440303	CLL-50 Feeder Body	1
9	89440304	CLL-75 Feeder Body	1
10	01011015	Plug	1
11	89440312	Air/Water Release Valve with O'Ring	1