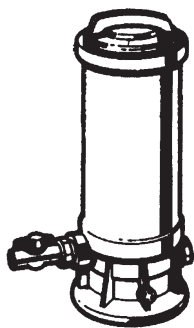


INSTALLATION GUIDE AND OPERATING INSTRUCTIONS



HAYWARD® CHEMICAL FEEDER FOR CHLORINE APPLICATIONS MODELS C250EXP/C500EXP

I. IMPORTANT SAFETY INSTRUCTIONS

⚠ This is the safety alert symbol. When you see this symbol on your system or in this manual, look for one of the following signal words and be alert to the potential for personal injury.

⚠ DANGER indicates an imminently hazardous situation which, if not avoided, will result in death, serious personal injury, or major property damage.

⚠ WARNING indicates a potentially hazardous situation which, if not avoided, could result in death, serious personal injury, or major property damage.

NOTICE indicates special instructions not related to hazards.

Carefully read and follow all *Safety Instructions* in this Installation Guide and on equipment. Keep safety labels in good condition: Replace missing or damaged safety labels.

⚠ DANGER

- Use only 3" diameter slow dissolving Trichloro-S-Triazinetrione Chlorine tablets.
- Never use fast dissolving Trichloro-S-Triazinetrione Chlorine tablets.
- Never mix chemicals as it may cause fire and/or an explosion.
- Never mix Trichloro-S-Triazinetrione Chlorine tablets with Calcium Hypochlorite, or with any other form of concentrated chlorine or other chemicals. Fire and/or explosion may result.
- Never add any other types of chlorine, pH adjusters, shock treatments or algaecides through the skimmer. If these products must be used, they should be added directly into the pool water.
- Never isolate chlorine feeder with valves or other devices.

⚠ WARNING

- Read and follow all Safety Instructions prior to operating or servicing this chlorine feeder.
- To reduce the risk of injury, do not permit children to use this product.
- Wear eye and skin protection while maintaining or servicing this unit.
- Do not inhale fumes from the chlorinator or chemical container.
- Chlorine feeder may be under pressure. Use caution removing cover.

SAVE THESE INSTRUCTIONS

II. INSTALLATION C250/C500EXP

A. Planning Installation

1. Read and follow all installation instructions prior to installing your chlorine feeder. Refer to Figure I.
2. Your C250/C500 automatic chlorine feeder is designed for permanent installation. This unit uses pressure differential to divert water through the chlorinator (#4) into the return-to-pool piping after the filter/heater.
3. The inlet connection (#3) should always be made in the piping after the pump (#2) and before the filter (#6).
4. The outlet connection (#5) should always be made in the piping after the heater (#7) or filter (#6) if no heater is present. If a heater is present an in-line positive seal corrosive resistant check valve should be installed to reduce backflow of chlorine gas into the heater when system is shut down. The outlet connection should be made after the check valve (#5).

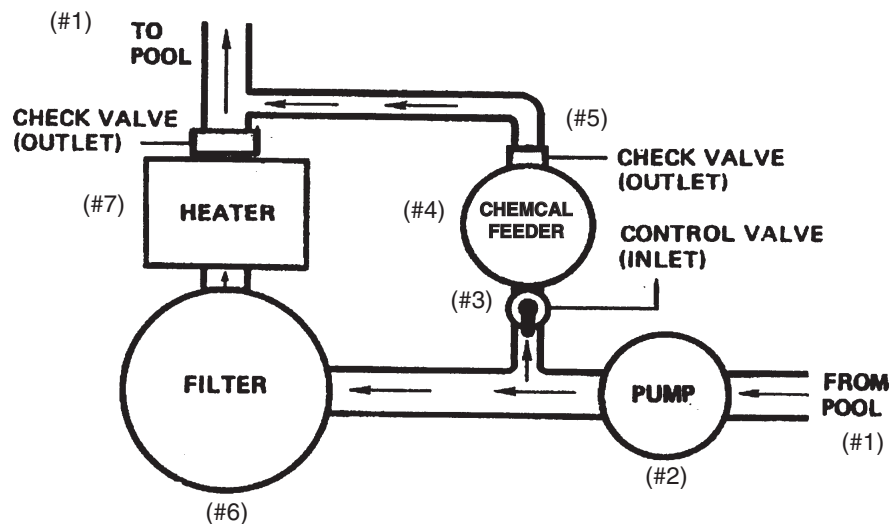


FIGURE I

B. Connection to Chlorinator

1. Remove the polyethylene bag containing the control valve, check valve and Teflon tape from the chlorinator carton and remove items from bag.
2. Using the provided Teflon tape wrap the threads of the check valve and then thread it securely into the outlet port of the chlorinator. See figure II.
3. Similarly wrap the male threads of the control valve with Teflon tape and then thread it securely into the inlet port of the chlorinator. See figure II.

C. Connection to Plumbing

1. Once the chlorinator has been positioned following the instructions in "A" above and the control and check valves have been installed according to the instructions in "B" above piping connections to the chlorinator may be made using minimum schedule 40 PVC or CPVC pipe.
2. Connect the inlet and outlet ports of the chlorinator to the minimum schedule 40 pipe using "thread to slip" pipe adapter fittings not included with unit. Wrap threaded ends of the adapters with Teflon tape and use proper primer and adhesive for non-threaded (slip) connections.
3. After starting system, re-check all plumbing connections for leaks. Re-tighten threaded connections or remake slip connections if necessary.

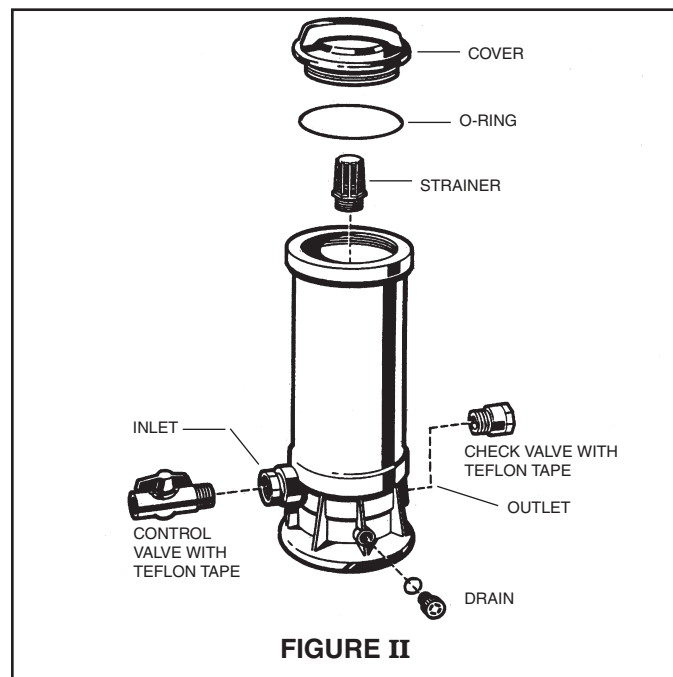


FIGURE II

III. DIRECTIONS FOR USE

GENERAL

Before using your chlorinator, your pool/spa water should be properly balanced and conditioned and should have a chlorine residual of approximately 1.0 to 1.5 ppm. Follow dealer and chemical manufacturer's directions and instructions.

Check chlorine residual daily and adjust the dial valve for more or less chlorine. The chlorine demand for pools and spas varies based on usage, temperature, sunlight, etc. Initially, you'll have to experiment to determine the proper amount of chlorine and the correct valve setting required for your pool and filter time cycle. Follow chemical manufacturer's instructions for proper chlorine level.

REFILLING CHLORINATOR



- Use only 3" diameter slow dissolving Trichloro-S-Triazinetrione Chlorine tablets.
- Never use fast dissolving Trichloro-S-Triazinetrione Chlorine tablets.
- Never mix chemicals as it may cause fire and/or an explosion.
- Never mix Trichloro-S-Triazinetrione Chlorine tablets with Calcium Hypochlorite, or with any other form of concentrated chlorine or other chemicals. Fire and/or explosion may result.
- Never add any other types of chlorine, pH adjusters, sock treatments or algaecides through the skimmer. If these products must be used, they should be added directly into the pool water.
- Never isolate chlorine feeder with valve or other devices.

WARNING

- Read and follow all Safety Instructions prior to operating or servicing this chlorine feeder.
- To reduce the risk of injury, do not permit children to use this product.
- Wear eye and skin protection while maintaining or servicing this unit.
- Do not inhale fumes from the chlorinator or chemical container.
- Chlorine feeder may be under pressure. Use caution removing cover.

1. Shut off all pumps and pump timers.
2. Turn chlorine feeder flow control valve to "OFF".
3. Verify chlorine feeder return line to pool is unrestricted.

4. Wait one minute to relieve system pressure before attempting to remove cover.
5. Remove cover. Use SP3100T cover opening tool if necessary.
6. Refill chlorine feeder only with 3" diameter slow dissolving Trichloro-S-Triazinetrione Chlorine Tablets.
7. Secure cover to chlorine feeder.
8. Turn flow control valve to desired setting and restart pump.

IV. MAINTENANCE

A. To Change O-Ring

1. Read and follow instructions in Steps 1 to 5 in Refilling Chlorinator section. (Opposite & Above)
2. Remove the O-Ring and replace with a Hayward replacement O-Ring (part no. SPX3000SV).
3. Replace cover. If chlorinator needs to be refilled, read and follow instructions in Steps 6 to 8 in Refilling Chlorinator section.

B. Winterizing

Where freezing temperatures can be expected, drain all water from chlorinator. (For in-line permanently installed unit remove drain plug). Carefully remove undissolved tablets, and rinse out chlorinator thoroughly with water. Replace cover and drain plug.

C. Vacuuming

When vacuuming, close flow control valve to prevent bypass of sediment and possible clogging of control valve.

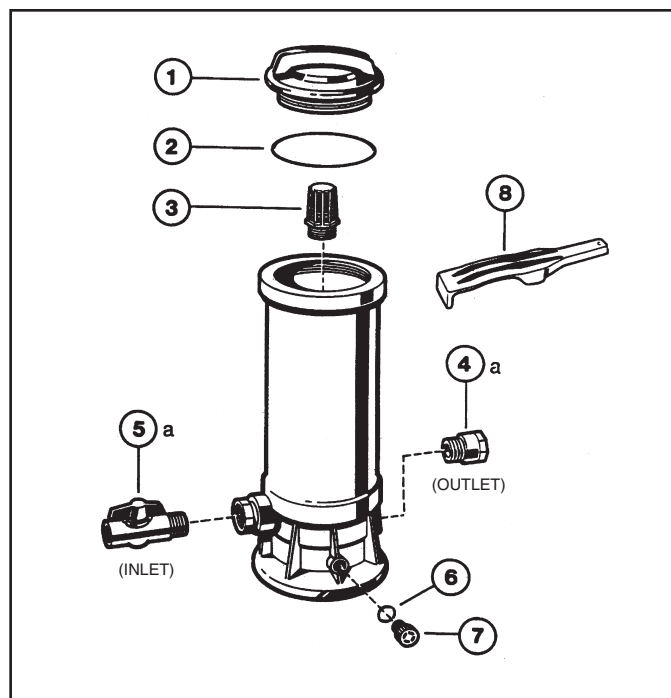
D. Lubrication

Never use petroleum type lubricants on Cover O-Ring. To lubricate use Jack's No. 327 lube only.

PARTS FIGURES AND DIAGRAMS

PARTS

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	SPX3000D2	Cover	1
2	SPX3000SV	Cover O-Ring, Viton®	1
3	CX500J	Strainer	1
4a	CX500CV	3/4" Check Valve (C250CF & C500CF)	1
5a	CX500BV	3/4" Control Valve (C250CF & C500CF)	1
6	SPX605Z2V	Drain Plug O-Ring, Viton®	1
7	CX250Z14	1/2" Drain Plug	1
8	SP3100T	Cover Opening Tool	1



SPECIFICATIONS

MODEL NO.	PIPE SIZE	FEEDER WIDTH		FEEDER HEIGHT		MAXIMUM WORKING PRESSURE	
		INCHES	CM	INCHES	CM	PSI	BAR
C250EXP	3/4" FIP	10.5	26.7	17.5	44.5	29.4	2
C500EXP	3/4" FIP	10.5	26.7	27.5	69.9	29.4	2

PERFORMANCE DATA

MODEL NO.	Maximum Chemical Capacity Chlorine		Maximum Output Rate (1 hour) Chlorine		Maximum Pool Size Chlorine	
	Pounds	Kilograms	Pounds	Kilograms	Gallons	Kiloliters
C250EXP	16	7.2	0.35	0.16	70,000	265
C500EXP	30	13.5	0.35	0.30	140,000	530



USE ONLY HAYWARD GENUINE REPLACEMENT PARTS

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Clemmons, NC

Nashville, TN
North Kingstown, RI

Oakville, ON, Canada
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Wuxi, China

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