

SANI KING

MODEL 740 IN-LINE INSTRUCTION GUIDE



INTRODUCTION

Your Sani-King Model 740 is an automatic feeder for Bromine. The Sani-King is uniquely designed to be a bidirectional, 100% fully controllable calibration system. The Sani-King was professionally designed with you in mind, for ease of installation, operation and ease of maintenance.



KING TECHNOLOGY, INC.

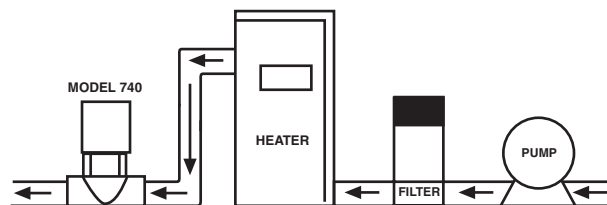
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INSTALLATION INSTRUCTIONS

1. Choose a suitable location after filter and heater. The feeder may be plumbed with flow in either direction. Install in a vertical position.



2. Remove cap, basket and spring. Cement PVC pipe into feeder ports. Follow PVC cement manufacturer's recommendations. (Be careful not to get cement into basket chamber.)

3. After installation has been made, fill hot tub or spa with water, turn on pump and check for leaks.

OPERATING INSTRUCTIONS

CAUTION: Use ONLY Bromine sticks or tablets. **DO NOT USE ANY TYPE OF CHLORINE. NEVER** mix or use with any other chemicals.

1. Turn off pump.
2. Fill basket with Bromine sticks or tablets. Do not fill above top of basket. (See above caution.) **DO NOT MIX CHEMICALS.**
3. Replace cap.
4. Turn cap to proper setting for gallonage and filtration time of your spa. See Guidelines.
5. Start pump.

GUIDELINES FOR SETTING YOUR SANI-KING FEEDER

NOTE: Each spa or hot tub is different in its gallonage, filtration time, usage, location (indoors or outdoors) and climate. These circumstances will affect the actual feed adjustments necessary.

Determine the Sani-King feed adjustment setting by following these guidelines. Using the appropriate Test Kit for Bromine, maintain a desirable 2.0-4.0 ppm.

GALLONS	Cap adjustment setting
150	1.1
250	1.3
350	2.2
450	2.8
550	3.0
750	3.8

After first filling hot tub or spa, the residual may not be obtained for as long as two days due to the above mentioned circumstances.

Turn cap to the appropriate setting from chart above. Start pump, and run at high speed for approximately 12 hours. Check residual. If less than 2.0 ppm, continue pump at high speed for an additional 12 hours at the same setting. If after 24 hours, the residual has not been obtained, turn cap clockwise one full turn and repeat the procedure. Then fine tune the setting (clockwise or counterclockwise) for your environment and spa usage.

Some circumstances during the first few weeks of tub installation may require initial settings to be greater than normal. These circumstances often include; unusually heavy bather usages, leaching of the wood (hot tubs), bacteria, location (indoors or outdoors) and climate. The setting may need to be 1/2 to 1 full turn greater than the chart shows. Residual of between 2.0 to 4.0 ppm is desirable during the first few weeks of start up. Retaining this residual there after, using the chart provided, may require a reduced setting.

RECOMMENDATIONS

For best results, heat spa or hot tub to desired temperature (approximately 102°F) and refrain from using spa until a sanitary residual reading of 2.0-4.0 ppm is obtained.

For normal usage, fill the Sani-King approximately every 10-14 days. Find the ultimate setting. Set it and forget it.

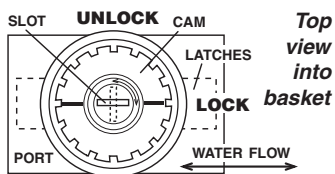
When a heavier bather load is anticipated, the sanitary residual should be increased to 4.0+ ppm. this may be obtained by turning the cap clockwise.

CAUTION: READ CAREFULLY

The Sani-King feeder is designed to use ONLY Bromine tablets and sticks. **DO NOT USE ANY TYPE OF CHLORINE. NEVER USE OR MIX WITH ANY OTHER CHEMICALS. FIRE OR EXPLOSION MAY RESULT.** Use extreme caution when servicing or opening your feeder. Shut off pump before opening feeder. NEVER INHALE FUMES. Always protect skin, eyes and clothing from chemicals at all times. NEVER open feeder when pump is operating. ALWAYS keep return lines open except when opening or servicing the feeder. ALWAYS follow chemical manufacturer's cautions and recommendations carefully for the ultimate in water sanitation and conditioning.

FEEDER MAINTENANCE

1. The basket should be removed annually and rinsed well in warm water to remove any chemical buildup that could cause the basket to stick. To remove, place a screwdriver down inside the basket in the cam slot at bottom. Turn clockwise



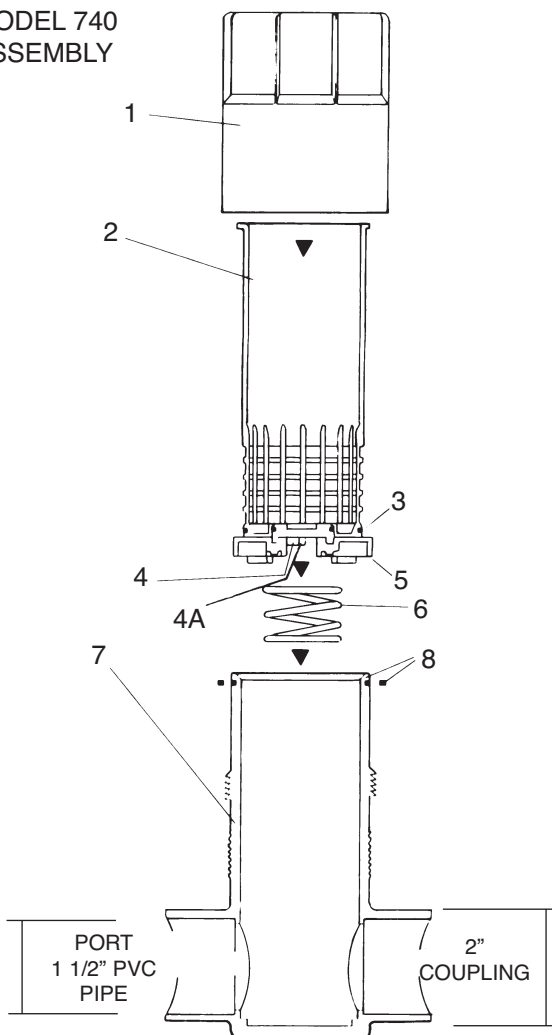
90° so the slot is now perpendicular to the unit ports (or direction of water flow.) This releases latches under ports so basket can be pulled out. Simply reverse this process to replace basket.

2. Check basket o-ring for wear, excessive swelling or inability to seal properly. If in good condition, lubricate with a silicon-based lubricant only. If o-ring needs to be replaced contact your dealer or King Technology, Inc.

3. No maintenance of teflon glide seal is necessary unless cap should acquire a leak. The teflon glide seal should then be replaced. **DO NOT LUBRICATE TEFLON GLIDE SEAL.**

4. Winterizing unit is necessary if hot tub or spa is located in freezing climates and not in use during winter. Remove all chemicals then drain spa, all pipes and the Sani-King Feeder thoroughly.

MODEL 740 ASSEMBLY



Inline Model

REF.#	PART #	DESCRIPTION	QTY. PER UNIT
1	01-22-7430	Cap (Model 740)	1
2, 3, 4, 4A, 5	01-22-7940	Complete Basket Assembly	1
6	01-22-7320	Spring	1
7	N/A	Body	1
8	01-22-7450	Teflon Glide Seal	1

Limited One-Year Warranty

King Technology, Inc. will warrant this unit with a complete replacement for the original purchaser, should it prove defective by reason of improper workmanship and/or material, for a period of one (1) year from the date of original purchase. King Technology, Inc. holds the option of replacing any defective part without charge if it is determined to be all that is needed to correct any situation that may arise. Parts used for replacement are warranted for the remainder of the original warranty.

1. To obtain warranty service, you must deliver product to King Technology, Inc. or its nearest authorized dealer. Shipping expenses are the purchaser's responsibility. The name of the nearest authorized dealer can be obtained by writing or calling King Technology, Inc. at the address and telephone number provided on front of manual. Proof of purchase is required when requesting warranty service. Purchaser must present the sales receipt or other document which establishes proof of purchase. To validate your warranty, complete the warranty card that came with your unit and return it to King Technology, Inc. within 30 days of purchase and installation.

2. This warranty does not cover defects caused by: Modification, alteration, repair or service of the product contrary to the accompanying instructions; physical abuse to or misuse of the product or operation or installation in a manner contrary to the accompanying instructions. This warranty also excludes all costs arising from the warranty and any and all claims arising out of the chemicals used in the product or their characteristics.

3. CAUTION - Read carefully - Do not add shock in or near skimmer.

A. This unit is not designed for shock treatment of spas. See your spa dealer or distributor for further information concerning shock treatments.

B. Cap adjustment settings in excess of the recommended setting levels for bromine can result in excess sanitizers being discharged into your spa. This can result in bleaching or discoloration of areas around the spa inlet or, in some cases, bleaching or discoloration of the entire spa surface.

C. Excess bromine in the spa can create health hazards to bathers. Consult each chemical manufacturer's warnings and cautions for specifics.

4. Any express warranty not provided for herein, and any remedy for breach of warranty or breach of contract which, but for this provision, might arise by implication or operation of law, is hereby expressly excluded and disclaimed. Any express warranty not provided herein, and any remedy for breach of contract but which for this provision might arise by implication or operation of law, is hereby excluded and disclaimed. The implied warranties of merchantability and of fitness for any particular purpose are expressly limited to a term of one year. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

5. Under no circumstance shall King Technology, Inc. be liable to purchaser or any other person for any damage or loss incurred because of any chemicals used in the product or their physical characteristics, or interruption of service of the product, or any special, incidental or consequential damages or losses, whether arising out of breach of warranty, breach of contract or otherwise. Some states do not allow the exclusion or limitation of incidental consequential damages, so the above limitation or exclusion may not apply to you.