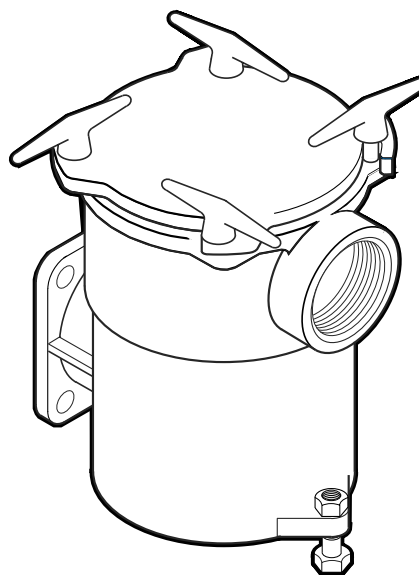
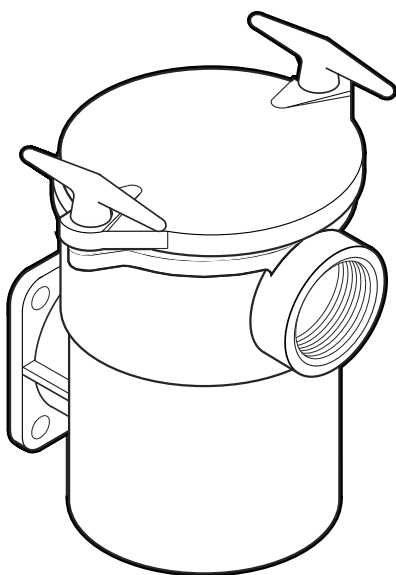


STA-RITE®

6" and 8" HAIR AND LINT STRAINERS

O W N E R ' S M A N U A L



INSTALLATION, OPERATION & PARTS

MODELS

Pkg. 51 – 6" Cast Iron

Pkg. 56 – 6" Bronze

Pkg. 98 – 8" Cast Iron

Pkg. 99 – 8" Bronze

This manual should be furnished to the end user of this strainer; its use will reduce service calls and chance of injury and will lengthen strainer life.

Sta-Rite Pool/Spa Group

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International: 262-728-5551, FAX: 262-728-7550

www.starite.com

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HAIR and LINT STRAINERS

To avoid unneeded service calls, prevent possible injuries, and get the most out of your strainer, READ THIS MANUAL CAREFULLY!

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UNCRATING AND INSPECTION

Handle with care.

Check items received against packing list to be sure that all equipment has been received.

Inspect for shipping damage. If found, file claim with carrier immediately.

Cleanup

Clean up foundation and surrounding area. Remove all trash and other materials which will interfere with installation.

For easy assembly, make sure all threaded joints and mating surfaces are clean. If necessary, clean with wire brush and solvent.

▲ WARNING To reduce danger of explosion and fire, do not use gasoline as a cleaning solvent.

Remove all foreign material (packing, etc.) from strainer.



POOL PUMP SUCTION ENTRAPMENT PROTECTION

▲ WARNING Pump suction is hazardous and can trap and drown or disembowel bathers. Do not use or allow anyone else to use a pool, spa, or hot tub unless it has at least two suction outlets to each pump suction line (see Figure 1, "Recommended Pump Suction Layout"). Do not use or operate swimming pools, spas, or hot tubs if a suction outlet cover is missing, broken, or loose.

The pump suction system *must* provide protection against the hazard of suction entrapment or hair entrapment/entanglement.

All suction outlet covers must be maintained. They must be replaced if cracked, broken, or missing.

All suction outlets must have correctly installed, screw-fastened covers in place.

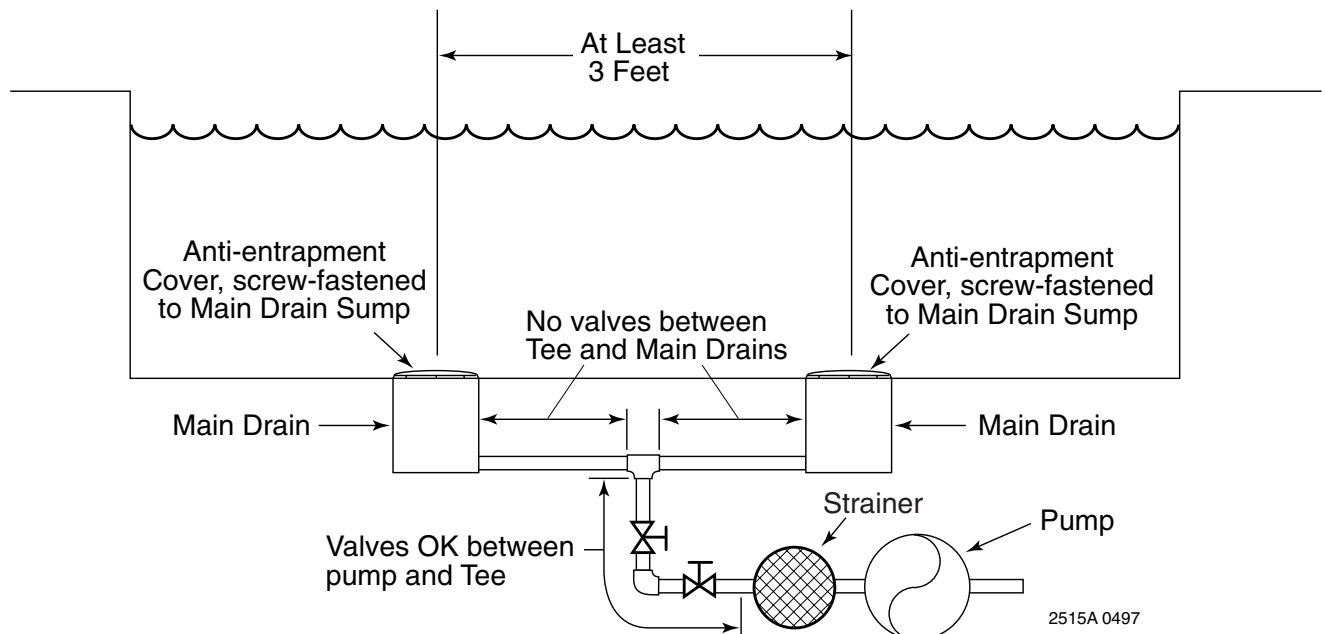


Figure 1 – Recommended pump suction layout.

INSTALLATION

Piping – General

System piping must be at least equal to size of pump connections.

To prevent strain on the pump casing and foundation, pipe, strainer, and fittings must be aligned to pump without forcing.

To avoid strains on the pump, support both suction and discharge pipes independently. Place these supports near the pump.

To avoid a strain left by a gap at the last connection, start all piping at the pump and run pipe **away** from the pump.

Strainer Testing and Operation



Maximum hydrostatic test pressure is 25 PSI (172 kPa) water pressure. To avoid explosion hazard, DO NOT test strainer with air pressure. Air pressure in strainer can blow cover off of strainer body, which can cause severe or fatal injury. Open filter air release valve and release ALL air (wait for a steady stream of water from vent) before hydrostatically testing strainer.



Before removing strainer cover:

- 1. STOP PUMP before proceeding.**
- 2. CLOSE GATE VALVES in suction and discharge pipes.**
- 3. RELEASE ALL PRESSURE from pump and piping system.**



After pressure test, release all pressure before removing strainer cover!

NOTICE: To prevent corrosion damage, store pool chemicals in another room away from pump.

To avoid breaking pump or putting unnecessary strains on pump or strainer body, support pipe independently of pump/strainer.

Center the strainer cover when installing it (especially when pressure testing).

When installing cover, clean O-Ring groove in strainer body, and lubricate with petroleum jelly as follows:

- A. O-Ring;
- B. Sealing surfaces of strainer cover and body;
- C. Threads and faces of wing nuts.

This will prevent corrosion, improve seal, and ease maintenance.

If necessary, use a wrench on flats when removing lock handles (Key No. 1, Page 6).

Center strainer cover when installing it (especially when pressure testing).

Hand tighten lock handles. When tightening, alternate back and forth between handles to compress O-Ring evenly.

Maximum lock handle torque is 25 ft.-lbs. (3.5 kg.-m).

NOTICE: To avoid corrosion damage to pump and strainer, do not add chemicals to system anywhere on suction side of pump (including into skimmers). Do not pour chemicals into strainer. Follow chemical manufacturer's instructions when mixing or adding chemicals to system.

MAINTENANCE

NOTICE: Before removing strainer cover, close isolation valves and open air vents in system.

NOTICE: Do not allow strainer to freeze.

If system will be shut down for one day or more, drain strainer and system to prevent corrosion.

Remove cover to allow interior to dry out when storing for the season. When interior is dry, replace cover.

Remove drain plug when storing for season. Leave plug out until system is restarted the following season.

To remove strainer cover, unscrew lock handles. If necessary, use a wrench on flats when removing lock handles.

NOTICE: A clogged strainer basket will cause cavitation, which will damage strainer basket, impeller, and pump. Clean weekly or each time you vacuum pool, whichever comes first.

NOTICE: Strainer basket is a close fit in body of strainer. When cleaning basket, do not deform.

Hose basket out well.

DO NOT hammer on basket or otherwise mistreat it.

When installing cover, clean O-Ring sealing surface in strainer body.

To prevent corrosion, improve seal, and ease maintenance, lubricate O-Ring, sealing surfaces of strainer cover and body, and threads and faces of lock handles with petroleum jelly.

Center strainer cover when installing it (especially when pressure testing).

Hand tighten lock handles. When tightening, alternate back and forth between handles to compress O-Ring evenly.

Maximum lock handle torque is 25 ft.-lbs. (3.5 kg-m).

If possible, protect from weather at all times.

For storage of out door installation:

1. Drain system.
2. Dry as much as possible.
3. Lubricate with petroleum jelly.
4. Reassemble.
5. Leave drain plug out during storage.

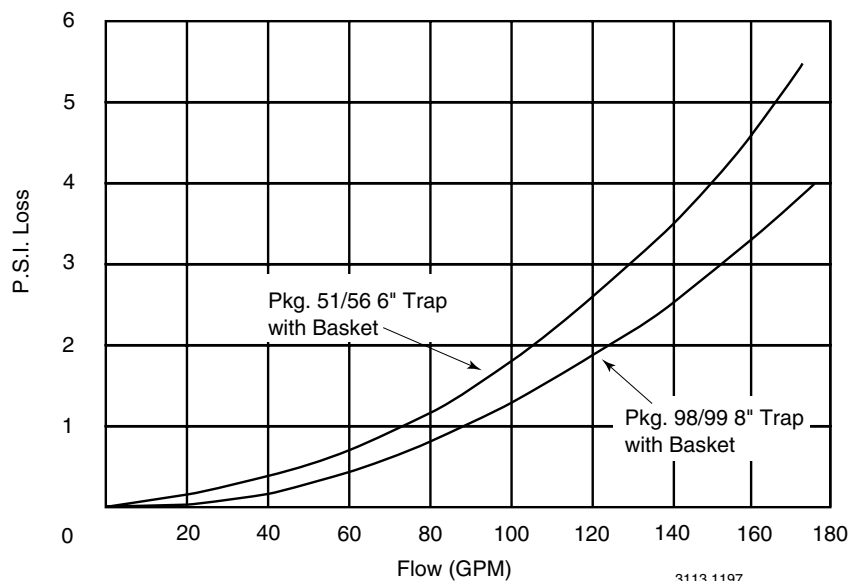
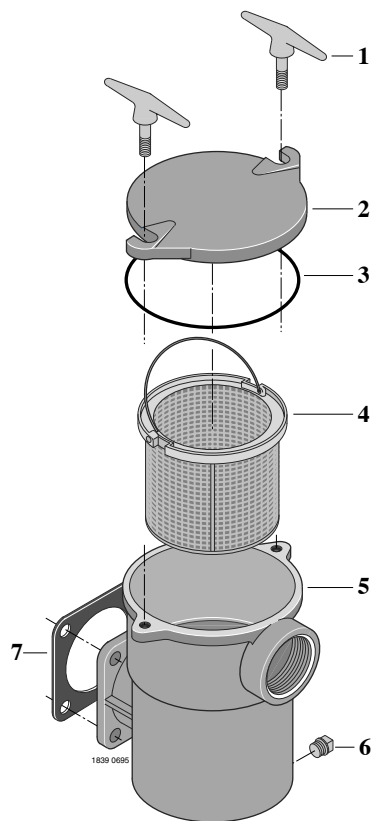


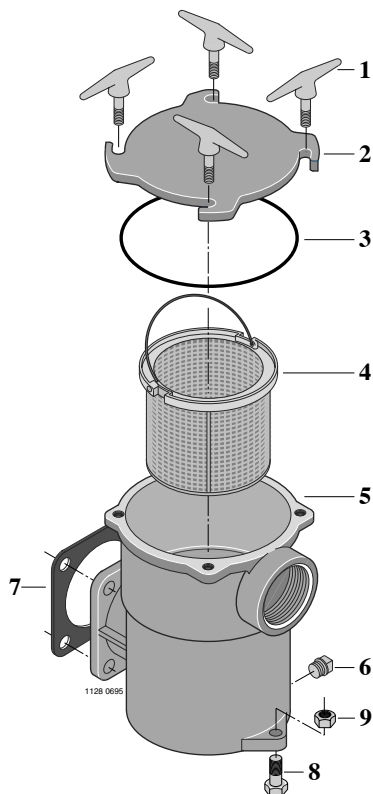
Figure 2 – Pressure drop curve for hair and lint strainers.

EXPLODED VIEWS

6" Hair and Lint Strainer



8" Hair and Lint Strainer



HAIR AND LINT STRAINER REPAIR PARTS LIST

Key No.	Part Description	Pkg. 51 Pkg. 98 Cast Iron	Pkg. 56 Pkg. 99 Bronze
1*	Lock Handle	C154-18D	C154-18D
2	Cover - 6"	C3-30	C3-78DZZ
2	Cover - 8"	C3-105	C3-105D
3	O-Ring - 6"	U9-46	U9-46
3	O-Ring - 8"	U9-171	U9-171
4	Strainer Basket - 6"	C108-11P	C108-11P
4	Strainer Basket - 8"	16401-0030	16401-0030
5	Suction Strainer Body - 6"	C53-5B	C53-5D
5	Suction Strainer Body - 8"	C53-21	C53-21D
6	Pipe Plug 1/4"	U78-57DT	U78-57DT
7	Gasket, Flange	C20-19	C20-19
8	Capscrew, 3/8-16x1-3/4" (†)	U30-77SS	U30-77SS
9	Nut, Hex 3/8-16 (†)	U36-38ZP	U36-38ZP
•	Capscrew, 5/16-18x7/8"	U30-61C(4)	U30-61C(4)

Quantity 1 unless otherwise noted ().

• Not illustrated.

* 6" has 2 each; 8" has 4 each.

(†) 8" only.

STA-RITE LIMITED WARRANTY

Pumps, filters, skimmers, underwater lights (excluding bulbs), accessories and fittings manufactured by Sta-Rite are warranted to be free of defects in material and/or workmanship for one (1) year from the original date of installation.

The foregoing warranties relate to the original consumer purchaser ("Purchaser") only. Sta-Rite Industries shall have the option to repair or replace the defective product, at its sole discretion. Purchasers must pay all labor and shipping charges necessary to replace the product covered by this warranty. Requests for warranty service must be made through the installing dealer. This warranty shall not apply to any product that has been subject to negligence, misapplication, improper installation or maintenance, or other circumstances which are not in Sta-Rite's direct control. Failure to have product installed by a professional in compliance with local codes will void any and all manufacturers warranty.

This warranty sets forth Sta-Rite's obligation and Purchaser's exclusive remedy for defective products.

STA-RITE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE APPLICABLE EXPRESS WARRANTIES PROVIDED HEREIN.

Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Supersedes all previous publications.

Product Specific Warranties (from date of installation)

Product Family	Limited Warranty	Exceptions
Filters	1 Year	System 3 Tank Bodies - 10 Yrs
Filter Valves	1 Year	
Pumps	1 Year	
Heaters	2 Years	Commercial Application - 1 Yr
Controls	1 Year	
Above Ground Systems	1 Year	
Lights and Niches	1 Year	Lamps and Bulbs - 90 Days
White Goods	1 Year	
Maintenance Equipment	90 Days	
Drainer/Utility Pumps	90 Days	
Replacement Parts	90 Days	
Cleaners: Lil Shark	1 Year	
Cleaners: Calypso	1 Year	
Cleaners: Pool Shark	2 Years	Footpad and Seal Flaps - 1 Yr
Cleaners: Great White	2 Years	

Retain this warranty certificate in a safe and convenient location for your records.

For technical information about this product, contact the installer or call Sta-Rite at 262-728-9181.

Visit www.staritepool.com

- for more information about Sta-Rite products listed above
- to locate a Sta-Rite dealer near you

CREATE A RECORD OF YOUR WARRANTY AT STA-RITE:

- Complete a warranty registration at www.staritepool.com by clicking on "Register Products" and selecting Sta-Rite Pool **OR**
- Complete bottom portion completely and mail within 10 days of installation to Sta-Rite, Attn.: Warranty Dept., 293 Wright St., Delavan, WI 53115

STA-RITE®



Warranty Registration Card

Name _____

☐ New installation ☐ Replacement

Address _____

Years pool has been in service ☐ less than 1 ☐ 1-3 ☐ 3-5 ☐ 5-10

City _____ State _____ Zip _____

This product was purchased from:

Installation (or Purchase) Date _____

Company name _____

Product Purchased _____

Address _____

Model Number _____

City _____ State _____ Zip _____