



TRIOSYN® T50-I FILTER

FOR USE IN RECIRCULATING COOLING WATER SYSTEMS ASSOCIATED WITH INDUSTRIAL PROCESSES TO CONTROL BACTERIA AND SLIME FOR INDUSTRIAL USE ONLY
PATENT PENDING

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or clothing. Wear protective eyewear (goggles or face shield or safety glasses). Wash hands thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

Iodine is toxic to fish and wildlife. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans, or other waters, unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For directions please refer to T50-I Filter Owner's Manual for Installation, Operation, and Replacement Instructions.

Active Ingredient:	
Iodine*	46.9%
Other Ingredients	53.1%
Total	100.0%

*From Quatamine divinylbenzene/styrene copolymer iodine complex

**KEEP OUT OF REACH OF CHILDREN
DANGER**

(See side panel for additional precautionary statements)

FIRST AID

If in eyes:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER

For medical questions, emergencies or accidents involving this product call: 1-800-222-1222. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

Net Contents: 1 Filter (10.5 oz./ 300 gms Triosyn®T50 Iodinated Resin)

EPA Est. No. 70932-1D-01

EPA Reg. No. 72897-3

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in unopened original packaging in cool, dry location. Do not expose to direct sunlight.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Excess pesticide, spray mixture, or rinsate must be handled and disposed in accordance with local, state and federal regulations. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

FILTER DISPOSAL: Securely wrap spent filter in newspaper. Then, dispose of in a sanitary landfill, or by other approved state and local procedures.

WARRANTY STATEMENT

Triosyn Corp. warrants that this product conforms to its chemical description on the label and is reasonably fit for the purposes stated in the directions for use when used in accordance with directions under normal conditions of use. This warranty of fitness for a particular purpose does not extend to use of this product contrary to the use directions, or under abnormal conditions, or under conditions not reasonably foreseeable to Triosyn Corp., and buyer assumes the risk of any such use. Triosyn Corp. expressly disclaims any other express or implied warranties including the warranty of merchantability.

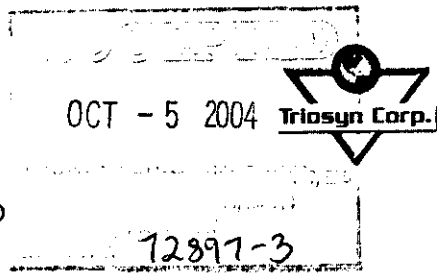
Registered By:

Triosyn Corp.
1191 South Brownell Road
Williston, VT 05495

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TRIOSYN® T50-I FILTER

FOR USE IN RECIRCULATING COOLING WATER SYSTEMS ASSOCIATED WITH INDUSTRIAL PROCESSES TO CONTROL BACTERIA AND SLIME

Owner's Manual: Installation, Operation, and Replacement Instructions

DESCRIPTION OF THE TRIOSYN® T50-I FILTER

The Triosyn® T50-I Filter is designed to provide a simple and effective means to control bacteria and slime in industrial recirculating cooling water systems. The Triosyn T50-I Filter is easy to install, operate and replace. It also requires virtually no maintenance. The control of unwanted bacteria and associated odors is achieved by passing the fluid in the recirculating cooling water system through the Triosyn T50-I Filter, which contains an iodinated resin. The iodinated resin inhibits the growth of microorganisms in the fluid, which is then cycled back into the system.

DIRECTIONS FOR USE

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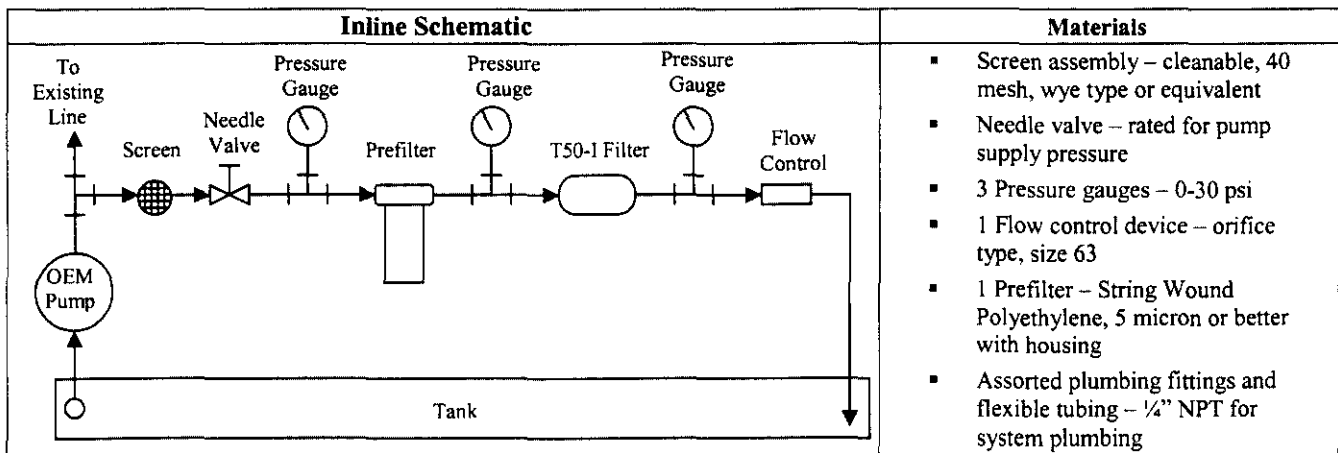
The Triosyn® T50-I Filter aids in the control of bacteria and slime in open recirculating cooling water systems that are used in conjunction with industrial fluid coolers. The T50-I Filter is not affected by pH values, dissolved mineral levels, or temperatures commonly found in open recirculating cooling water systems which cool industrial processes. The control of bacteria and slime is achieved by periodically passing the fluid from the recirculating cooling water system through the Triosyn T50-I Filter, which contains an iodinated resin.

To use: Cycle fluids from the cooling water system through the T50-I Filter by opening the valve to the T50-I Filter or start the stand alone pump. When properly installed and adjusted, the flow rate of fluids through the T50-I Filter is 1 gal/4 min. The duration of use will depend on the size of the system. The duration of use should allow for the same number of gallons in the holding tank of the system to pass through the T50-I Filter during each use. For instance, cooling water systems with 100 gallon holding tanks should allow fluids from the system to pass through the T50-I Filter for approximately 7 hours. Adjust time for smaller or larger systems. To conclude operation, close the valve or stop the stand alone pump. Repeat as necessary (e.g., 2-4 times a month) depending on the severity of contamination. Replace T50-I Filter after filtering 1500 gallons for systems using synthetic and soluble oil coolants, 750 gallons for systems using semi-synthetic coolants, or as needed to maintain control. This product is not intended for use in systems using straight oil coolants. Refer to Owner's Manual for Installation, Operation, and Replacement Instructions.

INSTALLATION

To install the Triosyn® T50-I Filter, two different configurations are recommended. In both, the fluid leaves the tank, passes through the pump, prefilter, Triosyn T50-I Filter, flow control device, and returns to the tank. The first configuration, inline, uses the original equipment manufacturer's (OEM) machine pump to circulate fluid through the filter. The filter is installed as an alternative plumbing path of the central fluid circulation system. The second configuration, stand alone, uses its own pump, creating an independent plumbing system not connected to the existing plumbing. Both configurations employ the same flow control device to ensure the proper rate of flow through the filter when 6 psi of pressure is supplied to the flow control device.

INLINE:

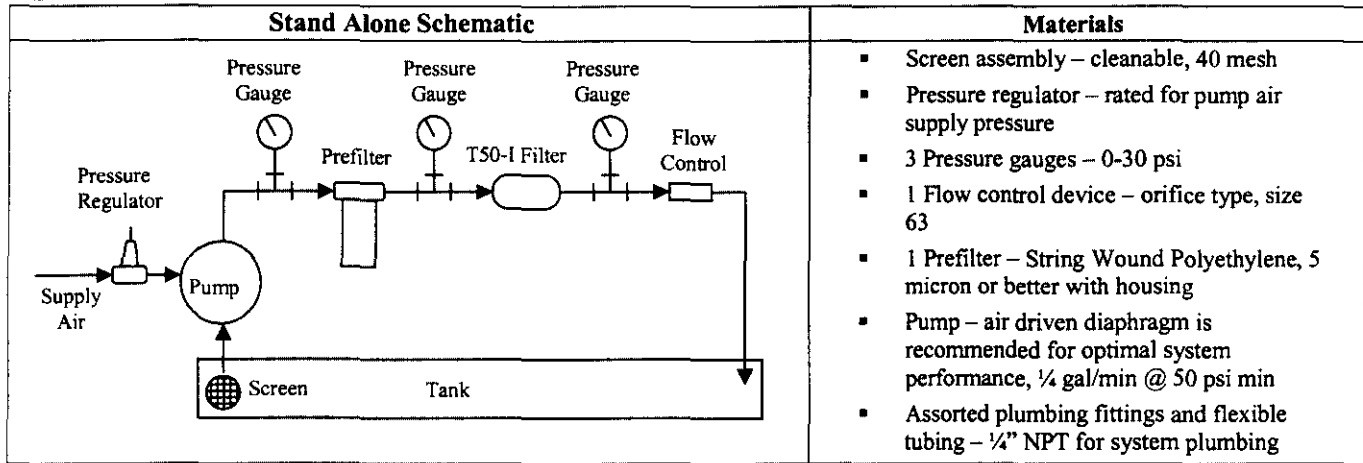


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To install the T50-I Filter using the Inline configuration: Turn off recirculating cooling water system and pump prior to installation. The Triosyn T50-I Filter is installed on the pressure side of the OEM pump. Refer to the "Inline" schematic. Cut into the plumbing and insert a tee fitting, then reconnect the pre-existing line. Install plumbing to lead to the screen. The 40 mesh screen is installed inline to trap large particulates, and it should be left accessible as it may be necessary to clear it occasionally. Plumb the system according to the schematic observing the flow direction requirement of all components. Connect a return line to the flow control outlet and place the open end in the tank. Prior to first operation of the Triosyn T50-I Filter, thoroughly clean system to remove all contaminants and replace fluids.

STAND ALONE:



To install the T50-I Filter using the Stand Alone configuration: Assemble the components as shown in the "Stand Alone" schematic observing the flow direction requirement of all components. The pump should not be connected to a power source or compressed air during assembly. The components may be installed on a cart or stand to facilitate use. Prior to first operation of the Triosyn T50-I Filter, thoroughly clean system to remove all contaminants and replace fluids.

OPERATION

Ensure the inlet and return lines are placed in the tank. Commence flow to the filter in the inline configuration by opening the needle valve. In the stand alone configuration, start the pump. Adjust the needle valve or pressure regulator to achieve a reading of 6 psi on the flow control device pressure gauge, and monitor during use. Filter the fluid as described in the Directions for Use. When finished, close the inline valve or stop the stand alone pump. For optimum performance, 5 gallons of water should be passed through the filter at the completion of each filtering cycle to rinse the filter, leaving the filter filled with water between uses.

REPLACEMENT

Ensure there is no flow through the system. Remove the Triosyn T50-I Filter from the system. Dispose of the spent filter in accordance with product labeling and local and state regulations. Replace with a new T50-I Filter. Reattach all lines, and the new filter is ready for use.

The prefilter may also require occasional replacement. Follow the manufacturer's instructions for replacement. The pressure gauges before and after the prefilter are used as a guide for its replacement.

If large metal chips are taken up in the inline system, it may be necessary to clear the screen occasionally. With the pump off, remove attachments and clear debris from the screen, then replace.

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