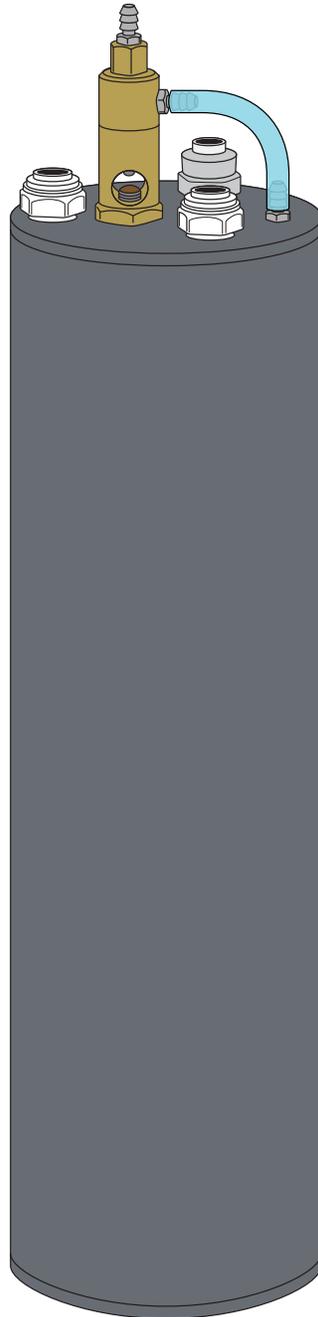


# VistaCool™

Direct-to-Drain Cooling System for Autoclave Wastewater  
Installation Guide & Owner's Manual



**Model V7601**



Includes CSA-Certified  
VistaCheck™ Dual Check  
Backflow Preventer

## **PATENT PENDING**

**VistaCool model V7601  
can be used with:**

SciCan STAT/M® 2000 Autoclave  
SciCan STAT/M 5000 Autoclave

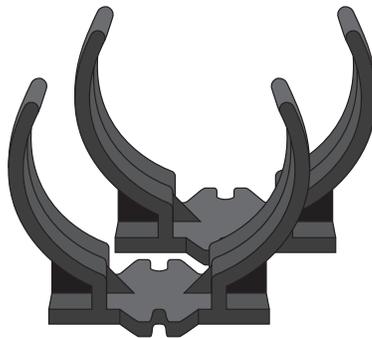
**CROSSTEX**  
A CANTEL MEDICAL COMPANY

# Introduction

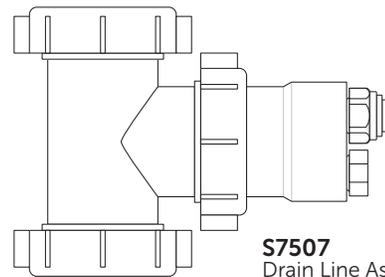
The VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater is a patent-pending system designed to eliminate the need for autoclave condenser/ waste bottles and condensation tanks by cooling the exhaust water and automatically sending it directly down the drain.

## IMPORTANT INFORMATION

Please read this entire manual before proceeding with installation and operation, and always follow local plumbing codes. This system has been verified for installation on SciCan STAT/M® 2000 and 5000 Autoclave models only.



**x2** S9125  
Wall-Mount C-Clip (3.5")



**S7507**  
Drain Line Assembly



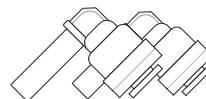
**VC250-A**  
VistaCheck™ Dual Check  
Backflow Preventer



**S7508**  
Inline Thermal  
Sensor Assembly



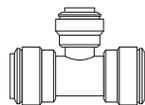
**x4** S7539  
Cabinet Grommet



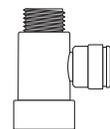
**x2** S6112  
Swivel Plug-In Elbow



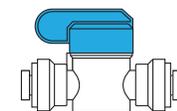
**S1056**  
High-Temperature  
Swivel Plug-In Elbow



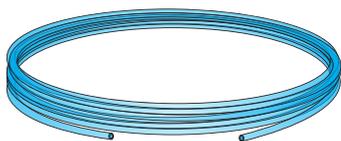
**S6119**  
3/8" x 3/8" x 1/4" Union Tee



**S6135**  
Angle Stop Adapter



**S6155**  
Inline Shut-Off Valve



**12'** TU902  
Cold Water Feed Line  
1/4" OD x 1/8" ID  
Blue Transparent Polyurethane



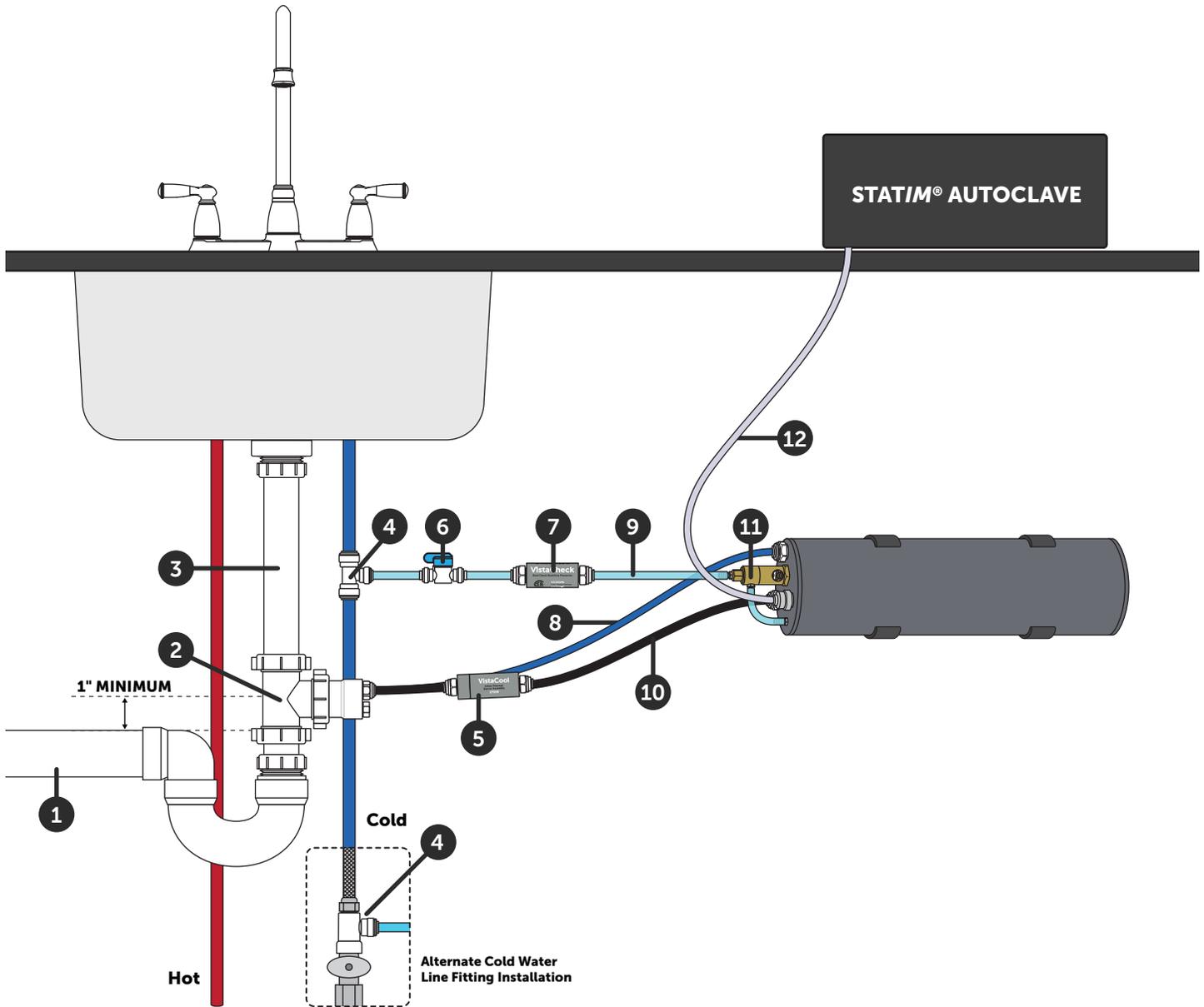
**12'** TU944  
Condensate Drain Line  
1/4" OD x 0.170" ID  
Black Opaque LLDPE



**12'** TU942  
Coolant Overflow Drain Line  
1/4" OD x 0.170" ID  
Blue Opaque LLDPE



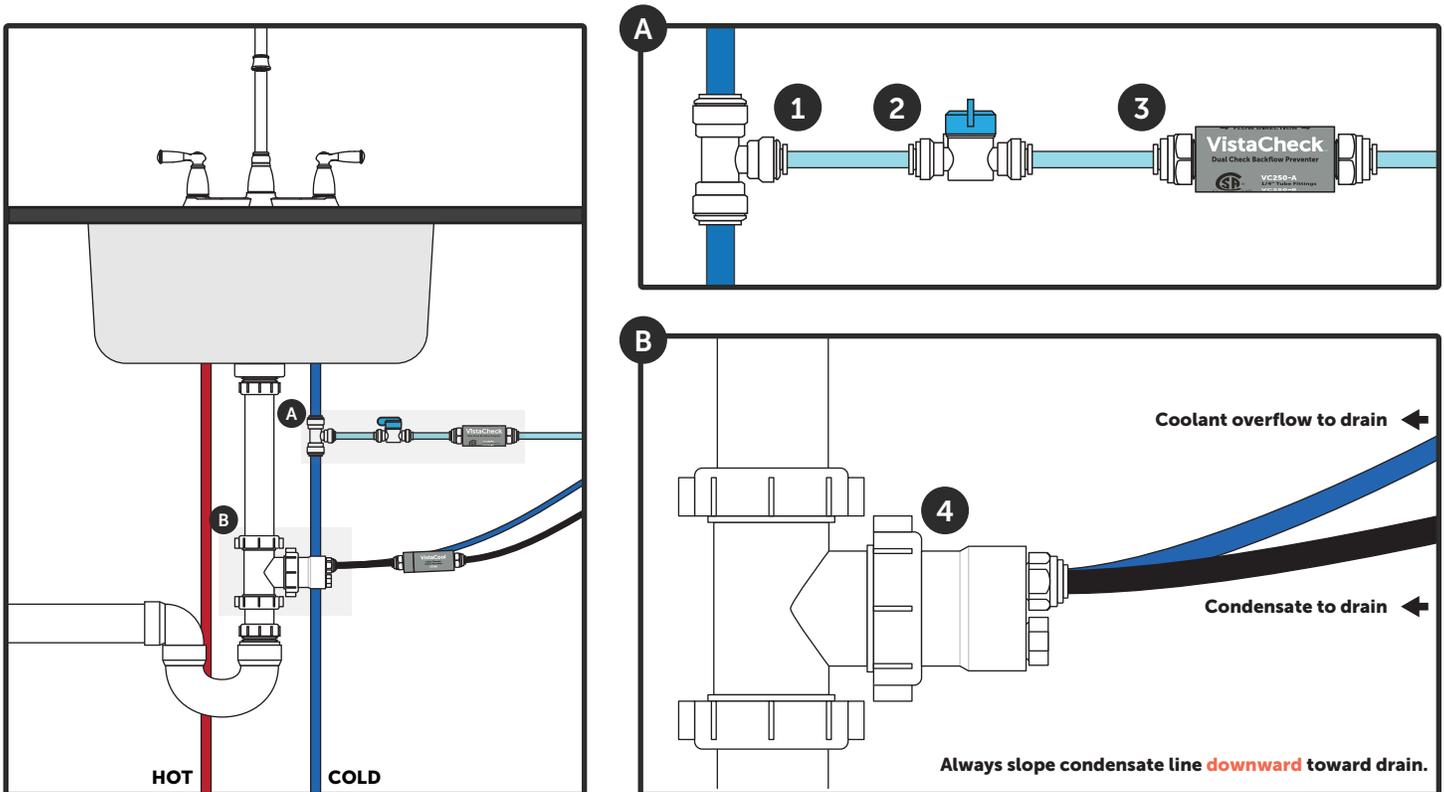
**9'** TU748  
Teflon™ High-Temperature  
Tubing Feed Line  
1/4" OD x 0.185" ID



- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li><b>1</b> Drain Line</li> <li><b>2</b> S7507 Drain Line Adapter</li> <li><b>3</b> Sink Drain</li> <li><b>4</b> S6119 or S6135 Cold Water Line Fitting</li> </ul> | <ul style="list-style-type: none"> <li><b>5</b> S7508 Inline Thermal Sensor Assembly</li> <li><b>6</b> S6155 Inline Shut-Off Valve</li> <li><b>7</b> VC250-A VistaCheck™ Backflow Preventer</li> <li><b>8</b> TU942 Coolant Overflow Drain Line</li> </ul> | <ul style="list-style-type: none"> <li><b>9</b> TU902 Cold Water Feed Line</li> <li><b>10</b> TU944 Condensate Drain Line</li> <li><b>11</b> S7503 Thermal Regulator Assembly</li> <li><b>12</b> TU748 High-Temperature Feed Line</li> </ul> |
|--|--|--|

# Plumbing

- 1 Turn off water supply. Provide for a 1/4" connection to the cold water supply. This is usually accomplished using a compression fitting or one of the supplied fittings (S6119 or S6135) on the cold water line. **Be sure any possible construction debris is flushed completely from the supply line.**
- 2 Cut a 3" to 4" piece of the blue poly tubing and connect the installed fitting (from step 1) to the inlet of the inline water valve provided. Be certain the valve is in the closed position (blue lever 90-degrees to the valve body).
- 3 Cut another 3" to 4" piece of blue poly tubing and connect one end to the outlet end of the inline valve, and the other end to the inlet of the supplied CSA-certified VistaCheck™ Dual Check Valve Backflow Preventer.
- 4 Measure the drain tee adapter assembly for placement into the drain piping. Cut and remove a section (usually 1-1/2") in the appropriate place above the trap as shown. Keep the entire assembly as low as possible while maintaining a minimum of 1" offset between the horizontal drain line and the drain line adapter inputs.

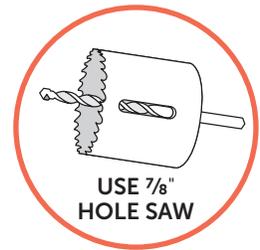
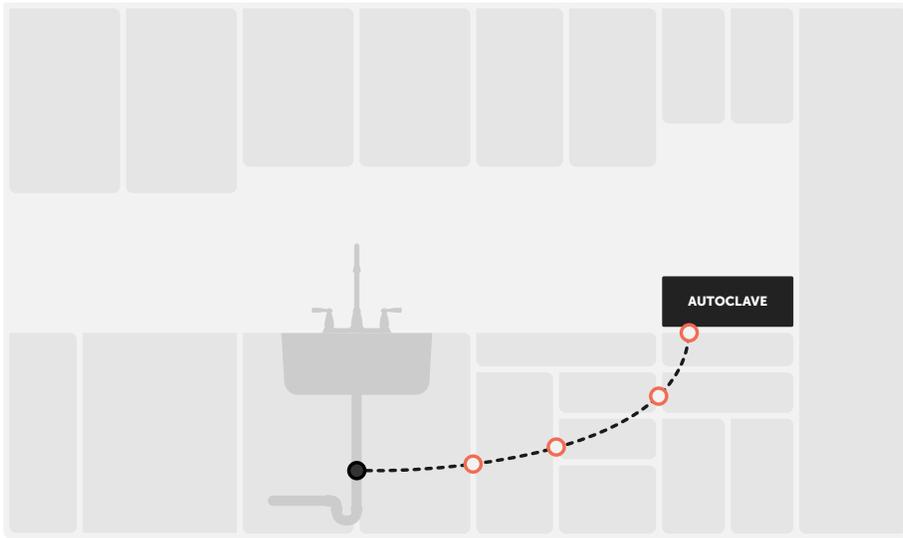


**i** Connect the system to cold water supply ahead of foot switch (if present) for uninterrupted water supply.

# Cabinetry

The VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater is typically installed in the base/sink cabinet of sterilization centers or at the sterilization tower if plumbed with separate water and drain connections. The 1/4" O.D. Teflon™ High-Temperature Tubing will need to run from the output port of the STAT/M® Autoclave directly to the system. This exhaust line should run in a progressively descending trajectory, per STAT/M Autoclave requirements.

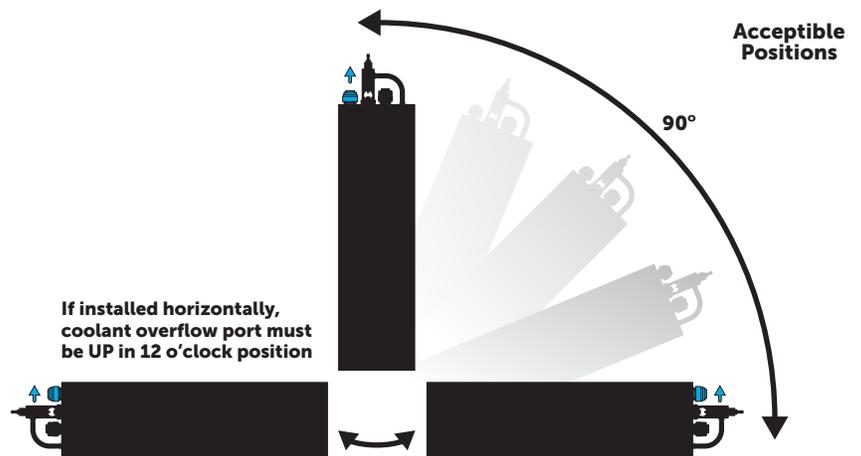
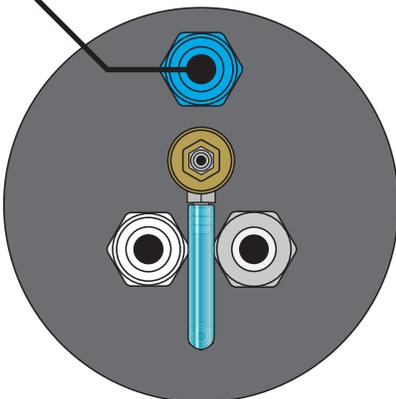
In many cases, holes will need to be drilled through one or more partitions in order to get the tubing from the autoclave to the VistaCool Direct-to-Drain Cooling System for Autoclave Wastewater. In order to protect the tubing from kinking or damage, grommets have been included. Simply drill a 7/8" pilot hole through the metal or wood partition then push the smooth plastic grommet into the holes. The hole entering the cabinet where the system is installed should be slightly above the top of the system so the tubing has a natural gravity angle to help prevent pools of liquid in the tubing.



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Install the system  
along dashed path

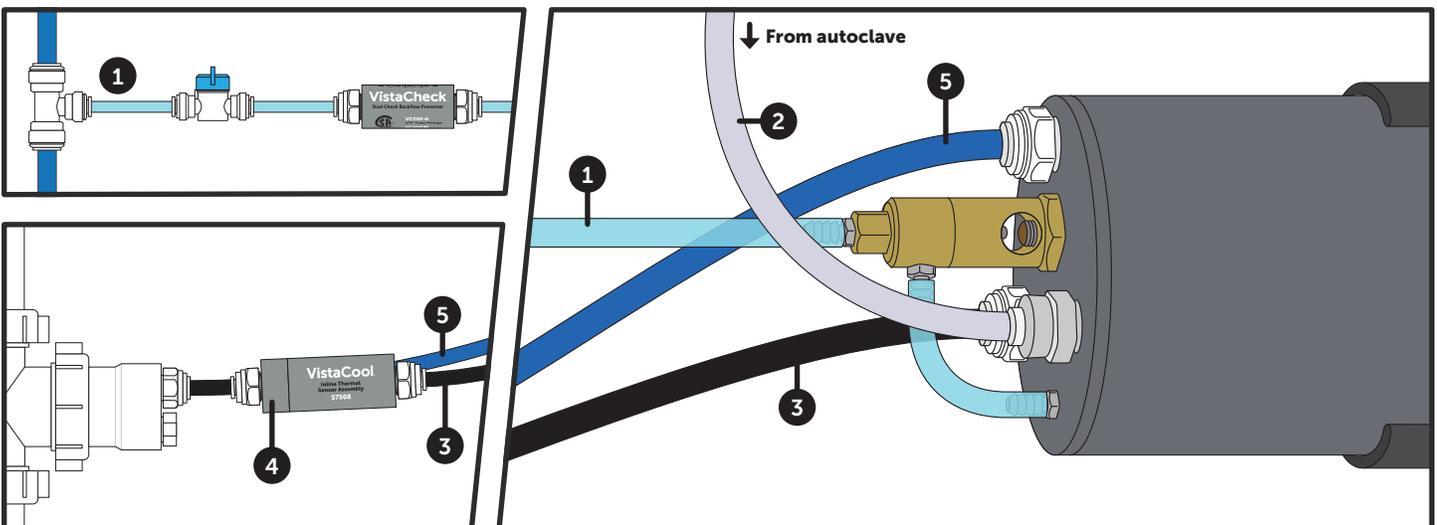
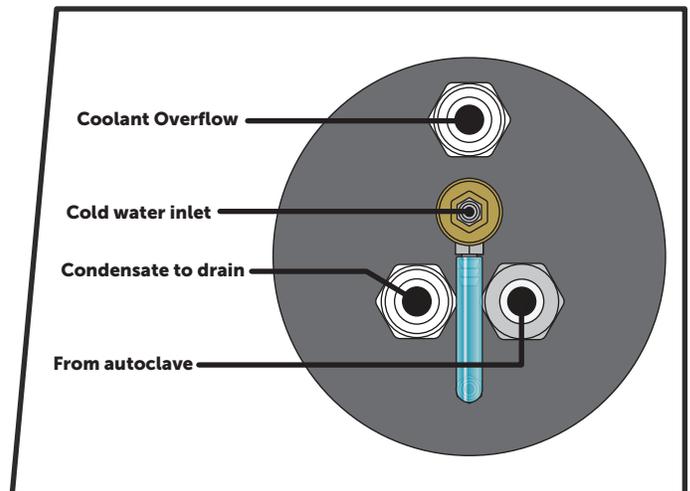
The system may be installed horizontally or vertically. If installed horizontally, the coolant overflow port must be UP in the 12 o'clock position. Do not install the system upside down or at an angle other than shown here as acceptable. Affix both included C-clips securely to the desired mounting surface using appropriate screws to ensure the system does not move during operation.

Coolant overflow  
always at 12 o'clock



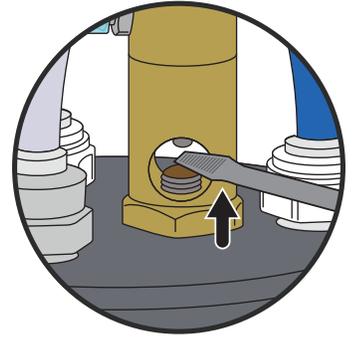
## Connecting the System

- 1** Connect the cold water supply to the system manifold using the blue, semi-transparent (1/4" OD x 1/8" ID) polyurethane tubing. Continue the tubing from the outlet of the VistaCheck™ Backflow Preventer to the top stainless hose barb on top of the brass water valve on the thermal regulator. (Optional: warm the end of the tubing with warm water before pushing it over the barb. Do not expose the tubing to direct, uncontrolled heat, such as a soldering torch, as this could cause material damage that might lead to leaks that may not appear immediately.) Make sure the tubing is pushed down completely over the stem of the barb and is flush with the hex stainless base of the barb.
- 2** Connect the high-temp Teflon™ 1/4" OD tubing from the STAT/M® Autoclave to the milky white KYNAR® Fitting on the end of the system manifold. Make sure the tubing does not kink when moving the autoclave or pulling the tubing through the cabinet partition holes. If necessary, use the high-temperature swivel elbow included with the system (S1056) to prevent the high-temp line connected to the STAT/M Autoclave from kinking.
- 3** Connect the black 1/4" OD LLDPE condensate line tubing to the fitting opposite the milky white KYNAR Fitting, then connect the other end to one of the male adapter fittings on the plumber-provided drain connection. If necessary, use an included swivel elbow (S6112) to prevent the tubing from kinking.
- 4** Cut the black condensate line (from step 3) as close to the drain adapter assembly as possible and install the in-line thermal sensor. Make certain the flow direction on the in-line sensor is oriented towards the drain.
- 5** Connect one end of the 1/4" OD solid blue LLDPE tubing to the coolant overflow fitting on the system—which must be oriented UP in the 12 o'clock position if the system is installed horizontally—and the other end to the drain connection. If necessary, use an included swivel elbow (S6112) to prevent the tubing from kinking.



## Starting & Using the System

- 1 Turn on the main water supply and check for leaks.
- 2 Slowly open the inline water supply valve fully and check for leaks.
- 3 Prime the system by inserting a small screwdriver in the viewport hole on the brass stem of the thermal regulator and pushing the piston away from the system body to activate cold water flow. The system is primed when water can be heard flowing through the 1/4" solid blue overflow tubing and running to the drain.
- 4 Ensure the system is installed in an elevated position above the drain connection as described previously to ensure proper flow of the condensate line, as required by STAT/M® Autoclave instructions. **The coolant overflow fitting should always be UP in the 12 o'clock position if the system is installed horizontally.**
- 5 Run three consecutive autoclave cycles to ensure everything is working properly.



## Troubleshooting

<p><b>System is not draining</b></p>	<ul style="list-style-type: none"> <li>• Ensure water supply valve is in the ON position.</li> <li>• Check for blockages in the tubing.</li> </ul>
<p><b>Autoclave is displaying a cycle fault</b></p>	<ul style="list-style-type: none"> <li>• Exhaust port line is blocked. Check for kinks in the tubing from the autoclave to the system manifold.</li> <li>• Check that water is running from the tank coolant overflow line to the drain adapter.</li> <li>• Make certain the water supply valve is on. If there is no water to cool the coil in the tank, the inline thermal sensor located in the condensate line will respond by closing the pathway to alert you of the problem and protect the plumbing from steam.</li> </ul>
<p><b>The black condensate line appears to be blocked</b></p>	<ul style="list-style-type: none"> <li>• The inline thermal sensor has been activated, blocking condensate flow to the drain, caused by a lack of coolant water in the tank that overheated the condensate. Overheated condensate will cause the wax motor to expand, closing the outlet. To reset the inline sensor and enable flow to resume, allow the system to rest and cool naturally. The inline sensor's wax-motor piston will retract, opening the outlet port.</li> </ul>
<p><b>Water leaking under counter</b></p>	<ul style="list-style-type: none"> <li>• Check all tubing and fitting connections</li> <li>• Push in on all push-to-connect fittings to ensure the tubing is fully engaged in the fitting "O" ring.</li> </ul>

# System Information

Thank you for choosing the VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater for your practice! The following chart is for necessary information for future reference. Please fill it out completely and keep this manual in a convenient place for ready access and reference.

Be sure to use our convenient online warranty registration form at [vrg.support/register](http://vrg.support/register). If you'd prefer, you may complete and return the included "Warranty Registration" sheet. Make a copy of the form for your records, then mail the original to us.

<b>VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater</b>		<b>System Model #</b>	<b>V7601</b>
<b>Install Date</b>		<b>System Serial #</b>	
<b>Dealer</b>		<b>Installer Name</b>	
<b>Dealer Phone</b>		<b>Installer Phone</b>	
<b>Dealer Address</b>		<b>Notes</b>	

## Limited Warranty

During the time period and subject to the conditions hereinafter set forth, Crosstex International, Inc. (Crosstex) will repair or replace to the original user any portion of a system which proves defective due to defective materials or workmanship of Crosstex. Contact your nearest authorized Crosstex distributor/dealer for warranty service. At all times Crosstex shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. Damage due to conditions beyond the control of Crosstex is NOT COVERED BY THIS WARRANTY. (Contact parcel or freight company for claims on freight damaged in transit)

**WARRANTY PERIOD:** Crosstex shall warrant its VistaCool™ Direct-to-Drain Cooling System for Autoclave Wastewater for a period of one (1) year from the date of installation, or eighteen (18) months from the date of manufacture, whichever comes first. Filtration elements subject to varying types of water conditions are not warranted for performance due to fouling by local water conditions, but are warranted for defects in materials and workmanship.

**LABOR, ETC., COSTS:** Crosstex shall IN NO EVENT be responsible or liable for the cost of field labor or other charges incurred by any customer in removing and/or re-affixing any Crosstex product, part or component thereof.

**THIS WARRANTY WILL NOT APPLY:** (a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed

instructions provided; (b) to failures resulting from abuse, accident or negligence; (c) to normal maintenance services and the parts used in connection with such service; (d) to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; (e) if the unit is moved from its original installation location, or; (f) if the unit is used for purposes other than for what it was designed and manufactured.

**RETURN OF REPLACED COMPONENTS:** Any item to be replaced under this Warranty must be returned to Crosstex in Phoenix, Arizona, or such other place as Crosstex may designate, freight prepaid. Write to the address listed below for a return authorization and the physical address to which items should be returned for warranty attention.

**PRODUCT IMPROVEMENTS:** Crosstex reserves the right to change or improve its products or any portions thereof without being obliged to provide such change or improvement of units sold and/or shipped prior to such change or improvement.

**WARRANTY EXCLUSIONS:** As to any specific Crosstex product, after the expiration of the time period of the warranty applicable thereto as set forth under the heading "Warranty Period" above, THERE WILL BE NO WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not

apply to you. No warranties or representations at any time made by any representative of Crosstex shall vary or expand the provisions hereof.

**LIABILITY LIMITATION:** IN NO EVENT SHALL CROSSTEX BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY CROSSTEX PRODUCT OR PARTS THEREOF.

Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation 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.

For your warranty protection (Magnason-Moss Warranty Act), the warranty card, if provided, should be completed and returned to Crosstex within ten (10) days of installation. Alternatively, register your product online within ten (10) days of installation at [vrg.support/register](http://vrg.support/register). In the absence of other suitable proof of installation date, the effective date of this warranty will be based upon the date of manufacture plus one hundred eighty (180) days.

**Direct all notices, etc. to:**  
Service Department  
Crosstex International, Inc.  
1733 W. Parkside Lane  
Phoenix, AZ 85027  
(800) 531-2221

 Crosstex International, Inc.  
1733 W. Parkside Lane, Phoenix, AZ 85027 USA

Made in USA

Part No. VM1065 / REV B - 01/2020

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