

Steady Stream[®]

Automated / In-Line / Programmable Timer
DrainPro System

Model T200 (Patent Pending) INSTRUCTION MANUAL

For residential and commercial use, installed in 3/4 inch PVC, **GRAVITY FED**, condensate drain lines.

If you have questions or issues with the operation of the DrainPro System please contact customer service at:

Website: www.steadystreamac.com / Email: info@steadystreamac.com / Phone: 1 (800) 463-1406

DrainPro System (also referred to as pump/product/system) is a product that automatically clears the A/C condensate drain line and drain pan of debris and clogs. Step by step instructions provides an easy, quick installation or scan the QR Code for the installation video.



The in-line pump design creates strong suction and discharge pressure preventing/eliminating clogs, ensuring condensate flows freely through the drain line. The systems pre-programmed timer is set to run for two minutes once a week, every Saturday from 1:00 PM to 1:02 PM (13:00 to 13:02) Eastern Standard Time (EST). If a clog occurs in the condensate drain line or drain pan, the water level sensor will activate, turning the pump on for two minutes, removing the obstruction. The water level sensor must be installed on the secondary drain line in order for the system to detect drain pan clogs.

SAFETY

When using the DrainPro System basic safety precautions should always be followed, including the following:



WARNING

1. Product is intended to be used as a device that suctions and discharges the condensation drain line and drain pan for the unit (ex. air handler, dehumidifier). Do not use in a manner that is contradictory or outside the scope of the intended use or purpose.
2. Do not plug in the system until you have read the installation instructions.
3. Never attempt to operate the pump with missing or malfunctioning components, this could cause unsafe or hazardous conditions resulting in injury or death.
4. Do not install this product
 - on exterior air handlers; only for interior air handlers located in a building, home, garage or attic.
 - in conjunction with any other pumps or other drain line clearing products/systems.
5. Do not operate the unit with a damaged cord or pump.
6. Always unplug the unit when servicing.

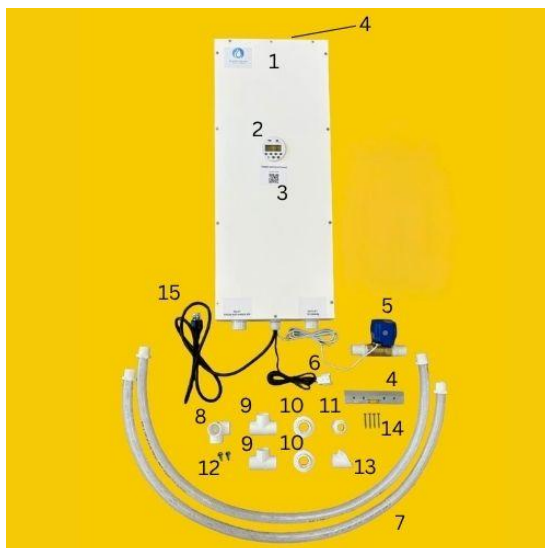


CAUTION

1. Keep hair, jewelry, loose clothing and all body parts away from moving components including the actuator/syringe pump.
2. Keep children away from the product, it is not a toy. Do not allow children to play with or handle any component parts and packaging material in the box as these can serve as choking hazards.
3. Adhere to state/local laws and ordinances when installing the product.
4. Do NOT connect the system to the power source (outlet or extension cord) until installation is complete.
5. Loss of electricity will result in the pump not turning on. Once power is restored verify and reprogram the timer, if necessary.

PRODUCT FEATURES

1. Control Box
2. Digital Timer
3. Timer Instructions Scan Code
4. Mounting Brackets
5. Motorized Ball Valve
6. Water Level Sensor
7. Flex Hose (x2)
8. 3/4 inch PVC Side Outlet Elbow
9. 3/4 inch PVC Tee (x2)
10. 3/4 inch Union (x2)
11. 3/4 inch PVC Male Adapter
12. 1/2 inch Self-Tapping Screw (x2)
13. 3/4 inch End Cap Flapper
14. Mounting Bracket Screws (x4)
15. Power Cord



TOOLS / MATERIALS NEEDED

- PVC Pipe Cutter/Saw
- Pencil
- Tape Measure
- PVC Primer and Cement
- Teflon Tape
- Flat Head Screwdriver
- Phillips Head Screwdriver
- 5/16 inch Hex Drive
- Power Drill
- Level

INSTALLATION

Prior to installation clean the condensation drain line and drain pan ensuring blockages/debris have been removed. The condensation drain line must be a closed system. All vents and cleanouts must have a cap on them.

1

POWER OFF THE A/C UNIT

Locate the thermostat. Switch the mode to OFF to disable the cooling operation.

2

LOCATE THE A/C COMPONENTS

1. Find the air handler (commonly located in the attic, utility room, or garage).
2. Locate the condensate drain line connected to the drain pan.

3

DETERMINE THE INSTALLATION ORIENTATION FOR THE MOTORIZED BALL VALVE AND FITTINGS

1. Choose a location close to the air handler and determine which orientation will work. Note: The motorized ball valve can be installed in either direction. There are at least nine orientation options for installing the motorized ball valve:
 - Side Outlet Elbow turning right to horizontal pipe, Side Outlet Elbow turning left to horizontal pipe, Side Outlet Elbow turning right to vertical pipe, Side Outlet Elbow turning left to vertical pipe, Tee to Tee, Tee to vertical right pipe, Tee to vertical left pipe, Tee to horizontal pipe turning right and Tee to horizontal pipe turning left.
2. **The motorized ball valve must not be installed upside down or below/underneath the drain line.**
3. **Dry fit the motorized ball valve with fittings, making sure it fits and has clearance from other objects.**
4. **Once the orientation has been determined dry fit the pieces together making sure they fit and have clearance from other objects. If space permits, installing the provided unions on each side of the valve assembly is highly recommended to simplify future system replacements.**
5. When clearance/existing plumbing doesn't allow enough space for your installation, see the Male Adapter instructions below.

4

REPLACE THE MALE ADAPTER (IF NEEDED)

1. Remove the existing adapter from the air handler.
2. Apply Teflon tape to the male adapter threads.
3. Hand-tighten the male adapter; turn one to two additional turns using a wrench (overtightening can cause cracking).

5

MEASURE & MARK THE DRAIN LINE SECTION FOR REMOVAL

Measure and use a pencil to mark the drain line with the determined orientation, allow for an additional 3/4 inch of drain line that will be inserted into the fittings.

6

CUT THE DRAIN LINE

1. Use a pipe cutter or hacksaw to cut along the marked pipe, be sure to add 3/4 inch of drain line if the pencil mark was drawn at the end of the PVC fittings.
2. Remove the cut section of pipe and **dry fit** the new orientation to confirm it fits and has clearance from other objects.

7

INSTALL THE MOTORIZED BALL VALVE AND FITTINGS

1. Glue all the pieces using PVC primer and cement following product directions.
2. Allow time to cure based on cement instructions.

8

MOUNT THE CONTROL BOX

1. The control box offers flexible mounting options, including the air handler (front, back or sides), walls, or attic framing. Before mounting, hold the control box in the intended location or use a tape measure to verify that sufficient clearance and space are available.
2. For a wall installation, use the provided wall hanging bracket and 4 sheetrock screws to secure the wall bracket to the wall ensuring the lip is facing upward and use a level to ensure the wall bracket is level.
3. For an air handler installation, use the provided two 1/2 inch self-tapping screws to secure the wall bracket to the air handler ensuring the lip is facing upward and use the level to ensure the wall bracket is level.
4. Note, the control box can be mounted vertically or horizontally. If mounting horizontally, the bracket on the back top side of the control box will need to be removed and screwed onto the right or left back side of the control box depending on the required orientation.

9

INSTALL THE WATER LEVEL SENSOR

1. Locate the secondary drain line (typically an emergency drain line with a safety float switch).
2. Snap the water level sensor onto the **side of the pipe** so the part of the sensor with the wire going into it is on the side of the pipe. **(DO NOT place the water sensor on the top or bottom of the pipe).**
3. If there is not at least 1-1/2 inches of pipe on the secondary drain line:
 - If no safety float switch exists, it's recommended to install one with at least 1-1/2 inch pipe for the water sensor to snap onto.
4. If the water level sensor cannot be installed on the secondary drain line, install the water sensor on the primary drain line as close to the air handler as possible.

Note: The system will not activate when the drain pan clogs if the water sensor is not installed on the secondary drain line.

10**CONNECT THE TWO FLEX HOSES**

1. Start by dry fitting one flex hose to the inlet fitting on the bottom of the control box and connecting the other end to the fitting located between the motorized ball valve and air handler. Dry fit the other flex hose to the outlet fitting on the bottom of the control box and connect the other end of the hose to the fitting downstream the motorized ball valve.
2. After confirming the two flex hoses fit, remove the dry fit flex hoses and glue them using PVC primer and cement.
3. **** Be sure the inlet flex hose is connected to the fitting located between the motorized ball valve and air handler, and that the outlet flex hose is connected to the fitting downstream of the motorized ball valve. ****

12**INSTALL THE END CAP FLAPPER**

1. Find the condensation drain line outlet where the drain line exits the home/building.
2. The End Cap Flapper must be installed horizontally so the flapper rests in the closed position.
Note: Some drain lines exiting the home/building may be 1 inch pipe in which case you'll need a 1 inch to 3/4 inch adapter to install the End Cap Flapper.
3. The End Cap Flapper protects the drain line from insects/bugs entering it and potentially clogging it. It also eliminates the air handler's negative pressure from within the drain line allowing condensate to drain properly with or without a p-trap.

13**POWER THE CONTROL BOX**

1. Check to see if the digital timer LED screen is displaying the correct day and time and if it is, proceed to step 3.
2. If the LED screen is blank, use a pencil, pen, paperclip or other small tip object to press and release the C button on the digital timer once it's plugged into power. This will reset the timer. Follow the timer instructions by scanning the QR code on the control box. ***When the DrainPro System is activated, it will run for two minutes and automatically turn off upon completion. The System cannot be turned off manually unless disconnected from the power source.***
3. Plug in the control box.
 - If no outlet is nearby, use an extension cord or have an outlet installed.
 - Alternatively, the control box can be hardwired to the A/C unit's power source by a licensed individual.
 - If the DrainPro System automatically starts running, refer to the timer instructions by scanning the QR code on the control box.

14**PROGRAM THE DIGITAL TIMER**

1. Verify the timer and cycle settings are correct; timer is pre-set to run for two minutes every Saturday at 1:00PM (13:00) EST.
2. It's recommended to run the DrainPro System once a week if the water level sensor is installed on the secondary drain line. If the water sensor is installed on the primary drain line it's recommended to run the system two to three times a week. (Tues and Thurs or Mon, Wed and Fri)
3. If needed, set the current time and desired schedule for the DrainPro System operation. (Scan Timer Instructions QR Code on control box)

15**FINAL CHECK**

1. Turn the A/C system back on at the thermostat.
2. Make sure all fittings are tight to there are no leaks.
3. Test the DrainPro System.
 - a. Press the Manual button on the Digital Timer until ON is displayed.
 - c. Once the system is activated, press the Manual button three times, displaying the AUTO mode (without the red light on and without the lightbulb symbol).
 - d. The system will run for two minutes and automatically turn off upon completion.
 - e. Note: The only way to stop the system while running is to disconnect it from the power source.

LIMITED WARRANTY

ATTENTION: Power cord plug can be eliminated when the unit is hardwired to a power source, this action will not void the warranty.

DrainPro System Limited Warranty is subject to change; the latest version is available at www.steadystreamac.com.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE. A/C PRODUCT SOLUTIONS LLC RESPONSIBILITY FOR DEFECTS IN MATERIAL AND WORKMANSHIP SHALL BE LIMITED TO REPAIR AND/OR REPLACEMENT AS SET FORTH IN THIS WARRANTY. ALL EXPRESS AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES AND WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.

WE DO NOT ACCEPT LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR ANY THIRD-PARTY CLAIMS FOR DAMAGES AGAINST THE RETAIL PURCHASER OF THIS PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS MAY NOT APPLY TO YOU.

A/C Product Solutions LLC is a Florida Limited Liability Company governed by the laws of Florida. Any action against A/C Product Solutions LLC shall be brought in Florida and be governed by Florida law. Any disputes arising out of this limited warranty shall be brought in Florida and be governed by Florida Law. For purposes of venue, all actions shall be brought in Twelfth Judicial Circuit of Manatee County, Florida or the United States District Court for the Middle District of Florida.

Warranty Period

1. The 3-year limited warranty begins on the date of purchase.
2. During the warranty period, A/C Product Solutions LLC will replace or repair, at its sole option, any defective DrainPro System unit returned to us, or to one of our business partners.

Warranty Will Be Void When:

1. Problems result from abuse, accident, misuse, or with electrical power.
2. Used not in accordance with the instruction manual.
3. For all products for which A/C Product Solutions LLC has not received payment.
4. Product is purchased from any other source other than an authorized entity as determined by A/C Product Solutions LLC.
5. Serial number, located in the control box, is altered or removed.
6. Damage caused by negligence, misuse, tampering, alteration, failure to follow safety and/or warning instructions, failure to follow operation instructions, and failure to follow troubleshooting instructions in case of malfunction.

Steady Stream is Not Liable for:

1. Steady Stream shall not be liable for any costs or charges attributable to any product testing, installation, repair or removal, or for any tools, supplies, or equipment needed to install, repair, or remove any product.
2. Normal product wear and tear.

Claims Procedure for Domestic and International Returns

When a claim is made to A/C Product Solutions LLC, upon determining that the limited warranty applies we will repair or replace your unit at no cost.

The repaired or replaced unit is warranted for the remainder of the original 3-year limited warranty term.

Should the exact unit no longer be available it will be replaced with a comparable unit.

1. Contact customer service: phone 1 (800) 463-1406 or email info@steadystreamac.com
2. Provide the following information:
 - a. Proof of purchase
 - b. Return shipping address
3. Buyer is responsible for shipping charges associated with sending the damaged unit to A/C Product Solutions. A/C Product Solutions LLC is not responsible for lost or stolen items or units lost during shipment. Mail item(s) to:
A/C Product Solutions LLC
9058 39th Street Cir E, Parrish, FL 34219
4. A/C Product Solutions LLC is responsible for shipping charges associated with sending the repaired/replaced unit to the buyer.
EXCEPTION: International Returns shipping charges to and from A/C Product Solutions LLC are the sole responsibility of the buyer.

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