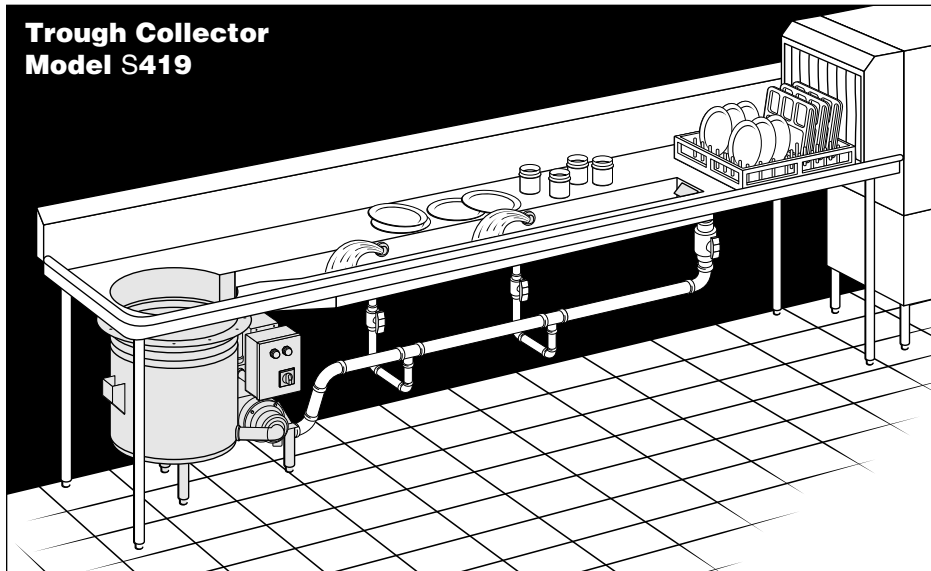


Salvajor Trough Collector

Model S419

Trough Conveying and Food Waste Collecting System

Installation & Operating INSTRUCTIONS



**Trough Collector
Model S419**

| | |
|----------|---|
| 2 | Typical Installations and Table Cutout |
| 3 | Trough Collector Installation & Location |
| 4 | Trough Recirculation |
| | Warranty and Reply Card |
| 5 | Plumbing |
| 6 | Electrical |
| 7 | Operating Instructions |
| 8 | How it Works |

**ALL INSTALLATIONS SHOULD BE MADE IN ACCORDANCE WITH
LOCAL AND NATIONAL PLUMBING AND ELECTRICAL CODES.**



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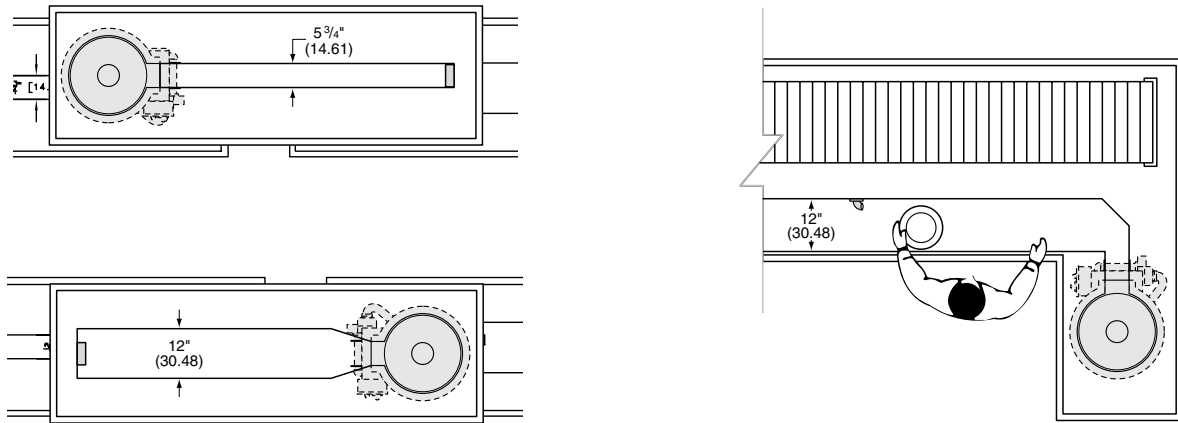
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Manufacturers of Commercial Food Waste Disposing Systems since 1944

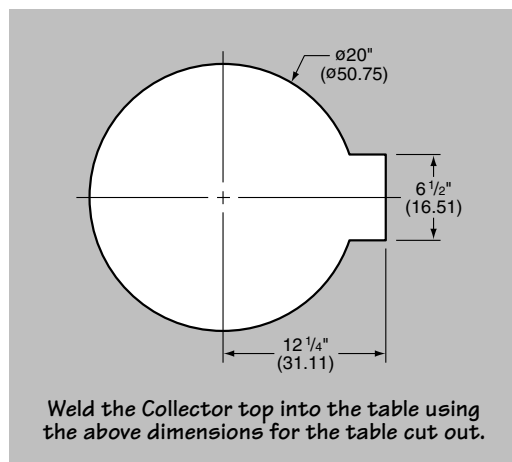
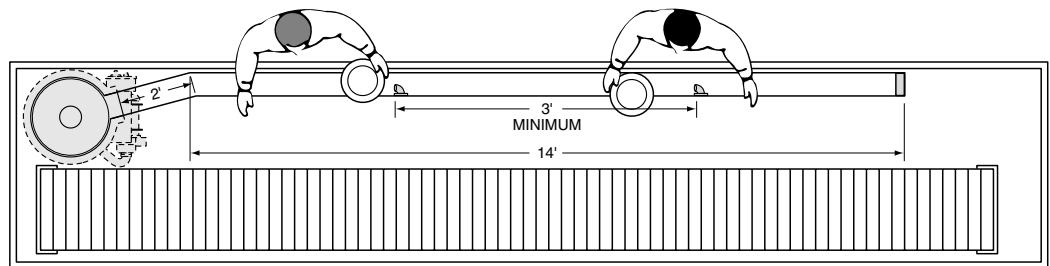
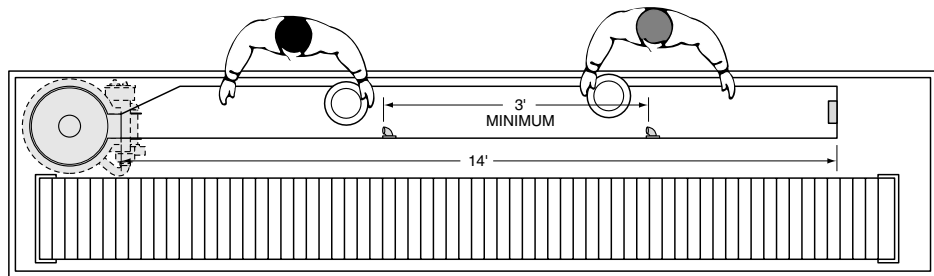
Typical Trough Collector Installations

Model S419

Conveys waste into a collection basket.
Trough design for multiple operators.

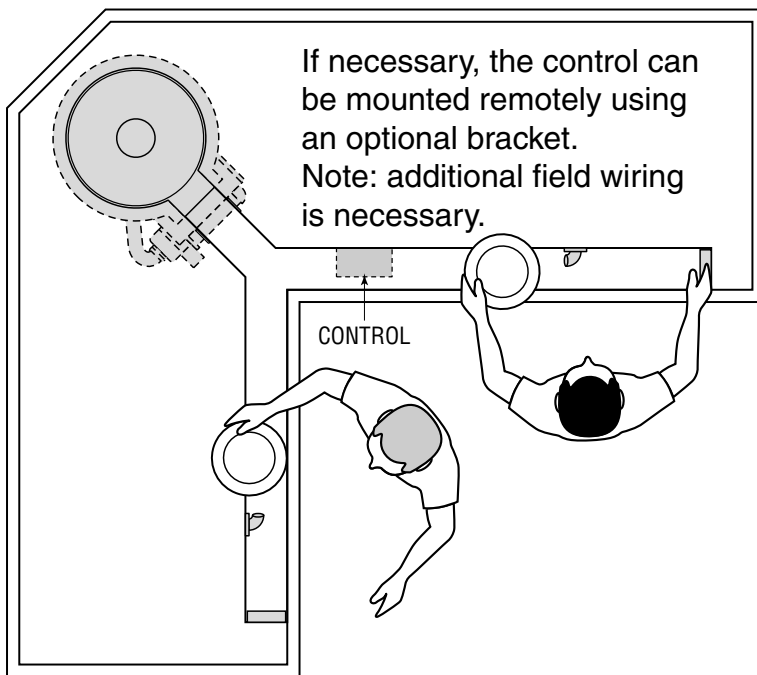
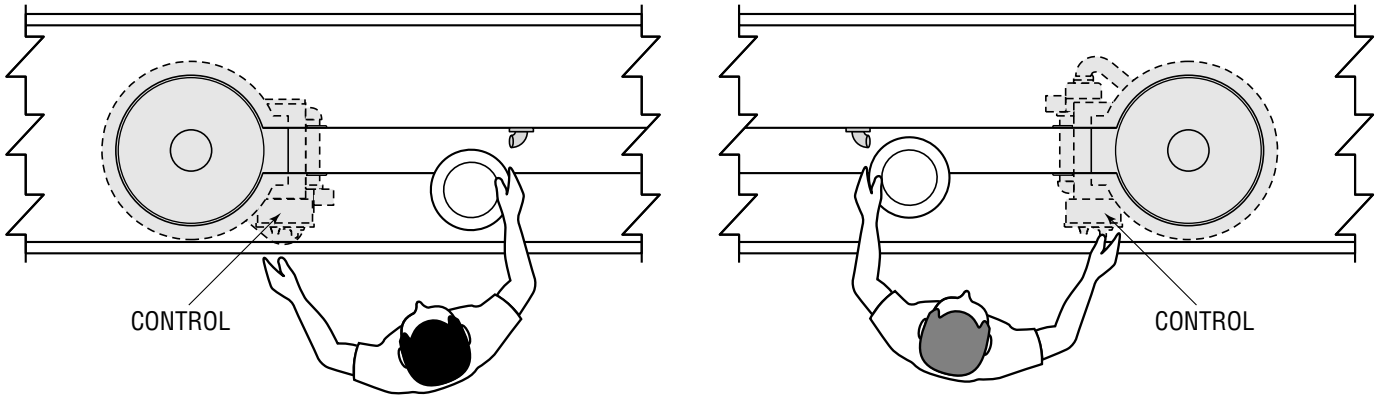


Allow 3' between gusher heads to accommodate one operator per gusher head. A standard 5 3/4" trough should not exceed 16' in length. A 12" wide trough should not exceed 14' in length.

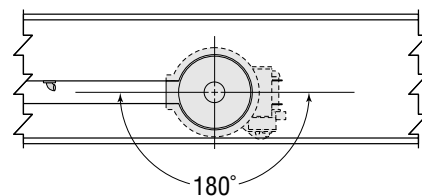
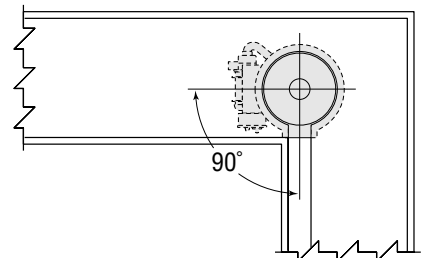
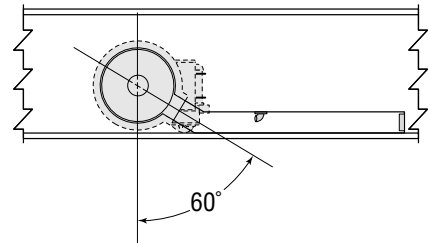


Trough Collector Installation and Location

It may be necessary to move the control from the back to the front of the Trough Collector depending on orientation in the table. This is easily accomplished using the existing fasteners, mounting holes and wiring.



The top of the Collector rotates in 15 degree increments to ease installation while keeping the tank and control square with the front of the table. It can be installed 180 degrees.

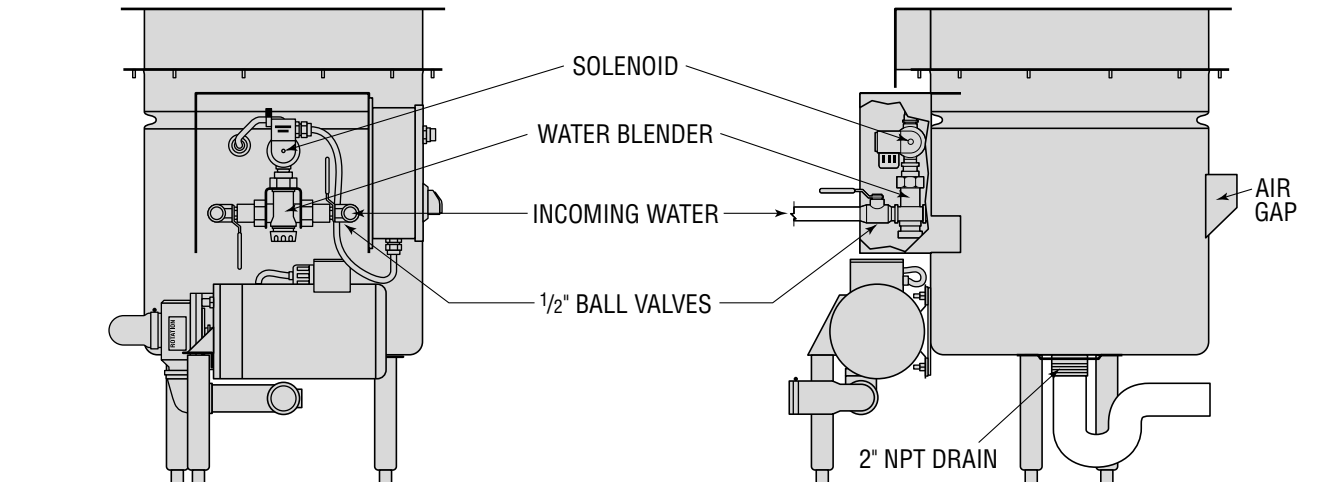


Plumbing

WATER SUPPLY

The solenoid valve is factory installed and is attached to an automatic water blender which will introduce water tempered to approximately 107° F.

Plumb 3/4" lines from both hot and cold water supply sources and reduce to 1/2" before attaching to corresponding valves on the Trough Collector water harness.



DRAIN PIPING

Plumb a 2" pipe from the 2" male threaded nipple located on the bottom of the Collector reservoir tank to the nearest approved drain. The drain line should have a minimum of 1/4" slope of fall per running foot. It is the responsibility of the plumbing contractor to check all connections to ensure they are free of leaks.

IMPORTANT:

The Salvajor Trough Collector is equipped with a UPC approved air gap, eliminating the need for vacuum breakers.

NOTE:

To assure against leaks, tighten water harness fittings. They may come loose during shipment, fabrication or installation. Pressure regulators should be installed in areas where water pressure exceeds the recommended maximum of 80 psi.

MAKE ALL PLUMBING CONNECTIONS IN ACCORDANCE WITH NATIONAL AND LOCAL PLUMBING CODES.

Electrical

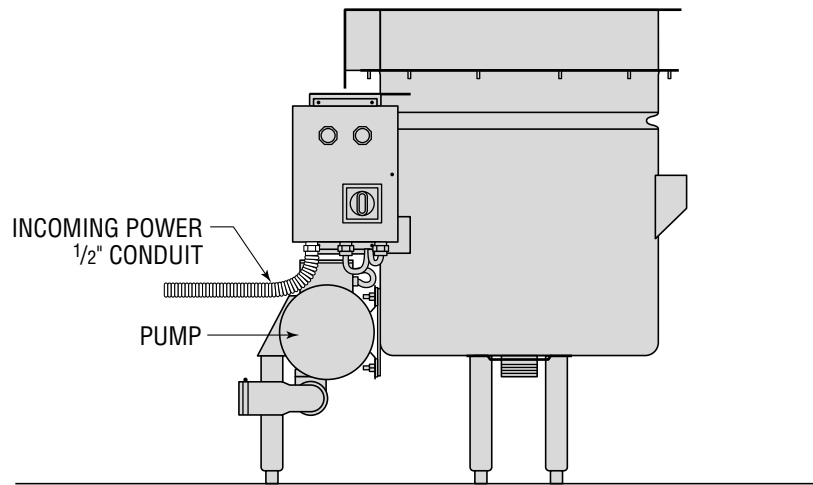
ELECTRICAL

The pump motor and solenoid are factory pre-wired.

Only one electrical connection is required if the control is installed with the provided wiring and mount. Run power from the building source to the 1/2" knockout on the bottom of the control.

The control may be mounted remotely with an optional bracket. Additional wiring is necessary to connect the pump motor and solenoid to the control.

Complete wiring diagrams will be found inside control panel.



IMPORTANT:

The pump must be checked for proper rotation.

Always use watertight conduit and fittings when wiring this product.

TOTAL FULL LOAD AMPS

| PHASE | 115V | 208V | 230V | 460-480V |
|-------|------|------|------|----------|
| 1 PH | 11 | 5.5 | 5.5 | – |
| 3 PH | – | 3.2 | 3 | 1.5 |

PUMP MOTOR 3/4 HP

MAKE ALL INSTALLATIONS IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.

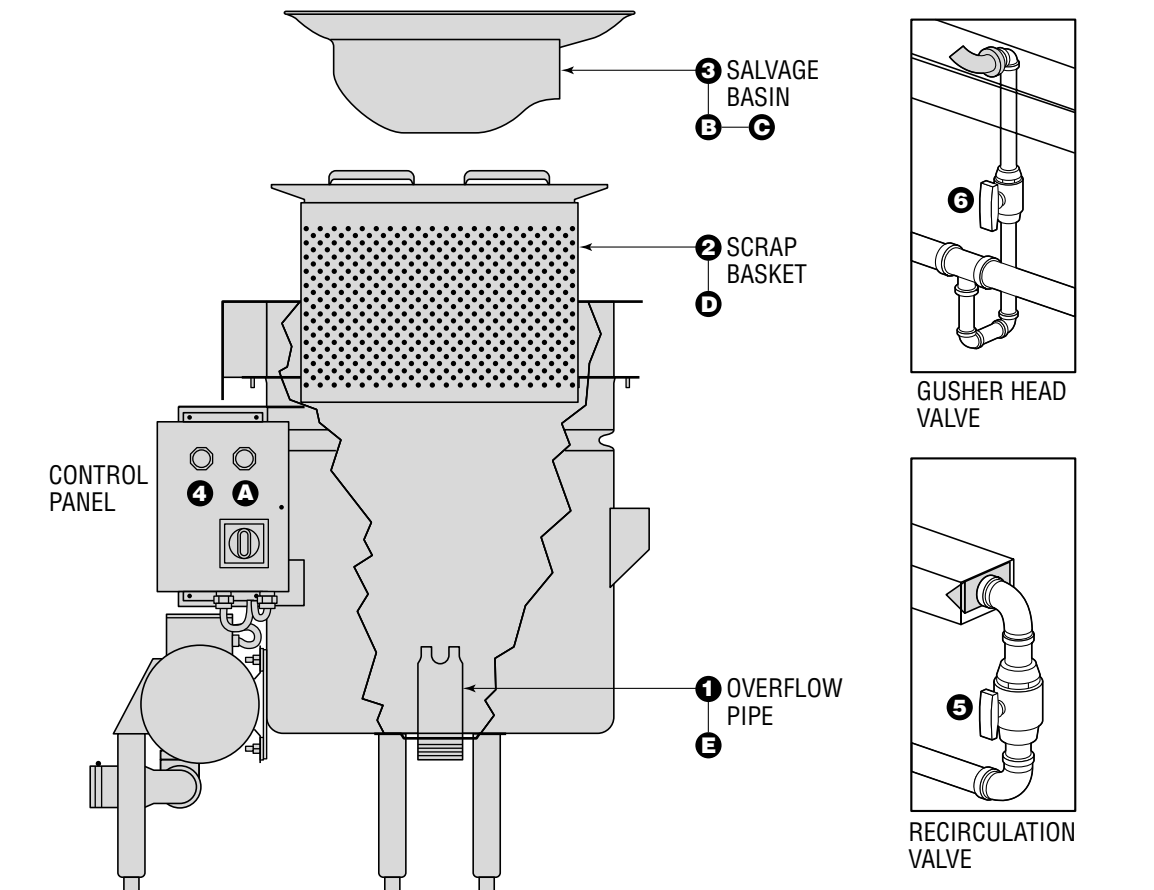
Operating Instructions

TO START:

- 1 Place OVERFLOW PIPE into drain opening in bottom of tank (center hole).
- 2 Position SCRAP BASKET inside tank.
- 3 Position SALVAGE BASIN inside tank over SCRAP BASKET.
- 4 Press START button on CONTROL PANEL. Allow time for reservoir tank to fill and maintain a constant flow of water down the trough.
- 5 Adjust the RECIRCULATION VALVE to regulate the flow of water down the trough.
- 6 If gusher heads are being used along the trough, adjust the GUSHER HEAD VALVES individually to the desired settings.

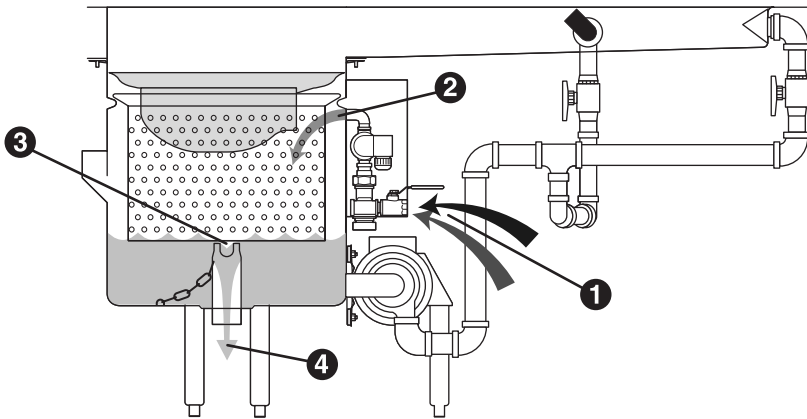
TO STOP:

- A Press STOP button on the CONTROL PANEL.
- B Check for and remove dropped tableware trapped in SALVAGE BASIN.
- C Remove and drain SALVAGE BASIN.
- D Remove SCRAP BASKET and dump waste into trash receptacle.
- E Remove OVERFLOW PIPE to drain tank. Rinse SALVAGE BASIN, SCRAP BASKET, OVERFLOW PIPE, and tank interior thoroughly.

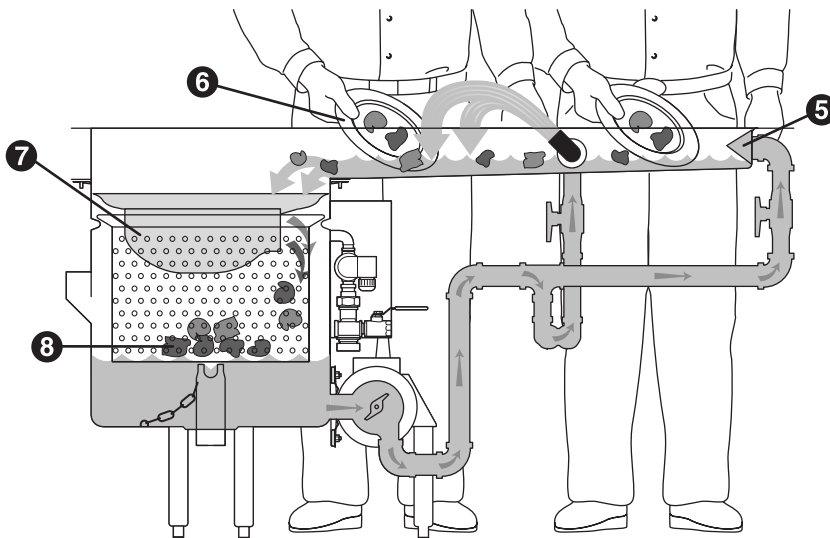


How it Works

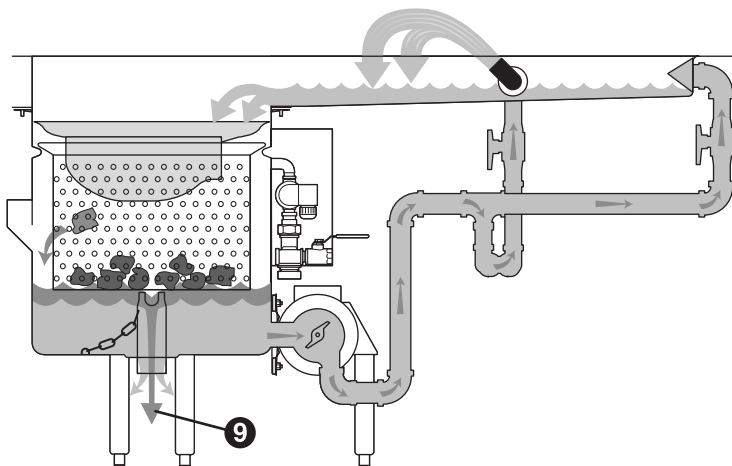
Visit salvajor.com and view videos of the Trough Collector in action



- 1 When the Trough Collector is first turned on, hot and cold water pass through a water blender set at 107° F.
- 2 The blended water enters the tank reservoir at the rate of 2 gallons per minute.
- 3 Water begins filling the tank reservoir and rises to the level of the removable overflow pipe.
- 4 Excess water spills through the overflow pipe into the sewer at 2 gallons per minute.



- 5 Once the tank reservoir holds sufficient water, the Collector pump begins circulating water down the trough for the scraping and pre-rinsing of dishes.
- 6 Dishes are scrapped into the trough by hand or passed through the water plume coming from the rubber gusher heads (optional).
- 7 Waste is then carried by the velocity of the water down the trough, through the scrap basin and into the scrap basket.
- 8 Soluble food waste washes through the holes in the scrap basket into the tank reservoir. Insoluble and fibrous waste is retained in the scrap basket.



- 9 Liquid and soluble waste spills through the overflow pipe and into the sewer system.