OMNI-RINSE®
WORK FAST. WORK CLEAN.

AUTO-RINSE ™
INSTALLATION GUIDE

NSF

MODEL BTRS1-US1

MODEL BTRS-1

MODEL BTRS1-UB1

MODEL BTRS1-TC1

MODEL BTRS1-TB1

PLUMBING COMPONENTS / HARDWARE

INCLUDED

- (2) 3/8” x 3/8” BRAIDED SUPPLY LINES
- 3/8” X 1/2” BRAIDED SUPPLY LINE
- (3) 1/2” MIP X 1/2” PUSH FIT CONNECTORS
- 1/2” SHUTOFF VALVE
- MIXING VALVE
- BACKFLOW PREVENTER
- (15 FT.) 1/2” BLACK LLDPE TUBING
- 3/32 HEX KEY

TOOLS / PARTS REQUIRED FOR INSTALLATION

NOT INCLUDED

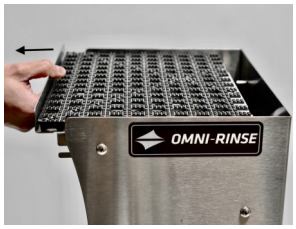
- ADJUSTABLE WRENCHES
- PHILLIPS AND FLAT-HEAD SCREWDRIVERS
- TUBING CUTTERS
- LEVEL
- COMPRESSION TEES, STOP VALVES, OR OTHER FITTINGS TO CONNECT TO HOT AND COLD SUPPLY LINES

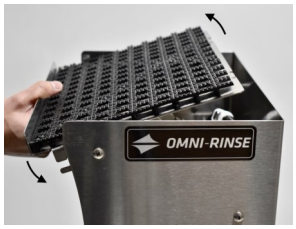
MACHINE DIAGRAM

SECTION 1 : INITIAL SET UP AND DISASSEMBLY

1. Remove all protective tape and cardboard by disassembling unit.
2. To disengage and remove Top Cover: lift up (2a), pull toward you (2b), tilt upward (2c), and push out (2d).

2a 

2b 

2c 

2d 

3. Remove Target Plate and Rinse Platform Mat.
4. Disengage quick-disconnect fitting.

5. Remove Rinse Platform from Stall.

SECTION 2 : INSTALLATION OPTIONS

				
MODEL BTRS-1 Core Unit (Machine Only)	**MODEL BTRS1-TB1** Table Top Base	**MODEL BTRS1-UB1** Underbar Bracket	**MODEL BTRS1-TC1** The Cube	**MODEL BTRS1-US1** Utility Station
SECTION 2-A (pg. 3)	SECTION 2-B (pg. 3)	SECTION 2-C (pg. 4-5)	SECTION 2-D (pg. 6)	

SECTION 2-A : CORE UNIT (MACHINE ONLY)

Model BTRS-1

Fig. A

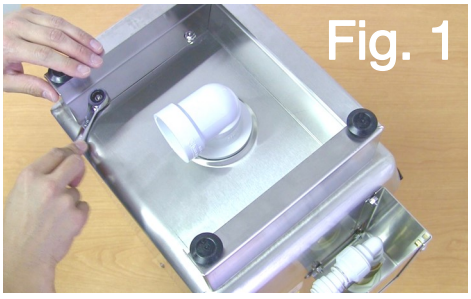
* **If mounting under bar top, shelving, or any obstruction more than 6” deep, allow minimum 2” clearance above unit for removal of top cover. (See Fig. A)**

1. Using Stall as a guide, determine pilot hole locations, ensuring holes are level. Minimum of (6) stainless steel fasteners - no smaller than #10 - required for installation.
2. Self-stick rubber bumpers are included to provide a level mounting surface for
3. Mount directly to wall using appropriate fasteners for wall type (toggle bolts for hollow wall sections, wood screws for mounting directly to studs, etc.). Use minimum of (6) stainless steel fasteners — no smaller than #10. Tighten fasteners until snug. Over tightening can cause steel to bend and distort shape of Stall.
4. Reassemble unit and proceed to Section 3 (pg. 6)

SECTION 2-B : TABLE TOP BASE

Model BTRS1-TB1

* **If installing under bar top, shelving, or any obstruction more than 6” deep, allow minimum 2” clearance above unit for removal of top cover. (See Fig. A above)**



1. Using a 3/8” wrench, attach Base with (4) 10-24 nuts (in some instances, Base will come pre-attached). **(See Fig. 1)**
2. Reassemble unit and proceed to Section 3 (pg. 6)

SECTION 2-C : UNDERBAR / WALL MOUNT BRACKET

Model BTRS1-UB1

To mount Stall to wall using Bracket proceed to pg. 5

Hanging Stall From Underbar

Attaching Bracket to Stall

1. Measure total thickness of bar top (A) at location where unit will be mounted. This measurement will be used in Step 3. **(See Fig. 2)**
2. To attach Bracket to Stall, lay Stall on its side with valve facing up.
3. Use holes on rear of Stall to attach Underbar Bracket with included stainless steel fasteners—**MINIMUM OF (6)**. Distance from top of Stall to top of Bracket flanges should be equal to measurement (A) taken from Step 1. **(See Fig. 3)**
4. Once Bracket is located correctly on Stall tighten fasteners.

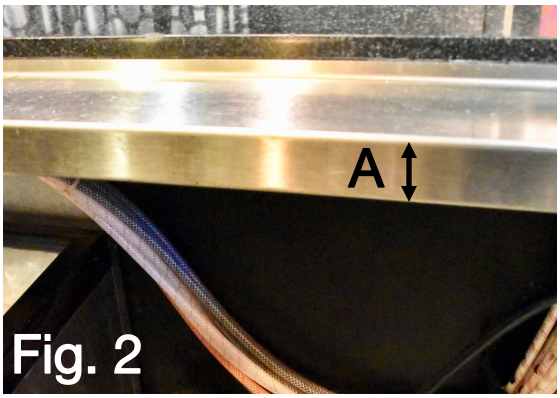


Fig. 2

Hanging Completed Assembly (Stall +Bracket)

5. Determine location of Underbar Bracket by using included template titled: “Hanging Installation Template”.
6. Tape template to underbar surface. Side labeled “front” should be flush with front lip or face of underbar
7. Use completed assembly to confirm Bracket location by aligning keyholes on Bracket to keyholes on template
8. If location adjustments need to be made, move template until satisfied with final location of unit.
9. Once final location has been confirmed, drill pilot holes into underbar surface with appropriate drill bit for #12 fasteners. Drive (6) fasteners into underbar surface, allowing enough space between underbar and fastener heads to use keyholes on Bracket flanges to hang completed assembly. **(See Fig. 4)**
10. Attach completed assembly to underbar using keyholes. Unit should slide into place.
11. Tighten all fasteners while bracing Stall. Confirm that top of Stall is aligned with spill rail.
12. Make fine adjustments with fasteners that secure Stall to Bracket if necessary.
13. Apply a caulk bead between spill rail and Stall. **(See Fig. 5)**
14. Reassemble unit and proceed to Section 3 (pg. 6)

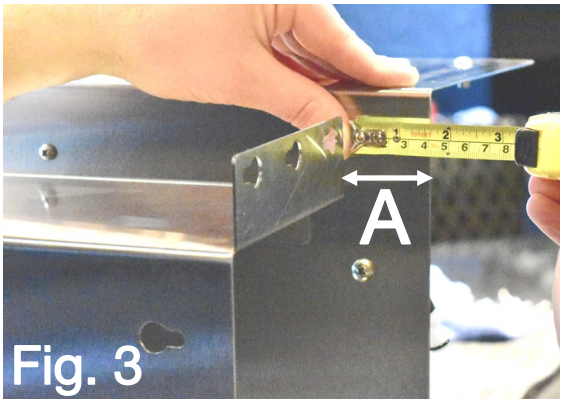


Fig. 3

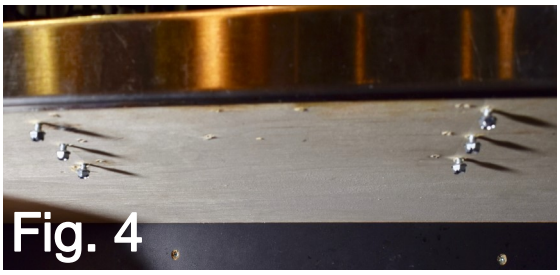


Fig. 4

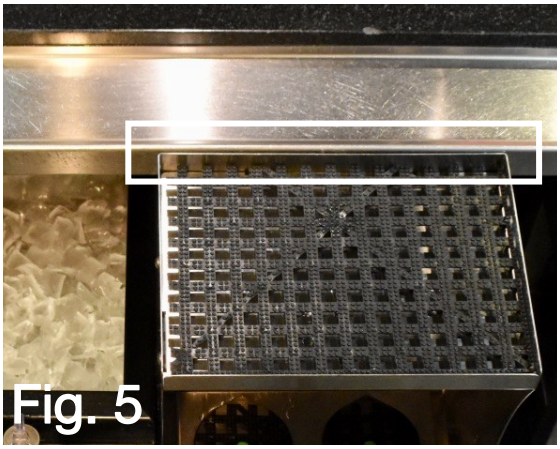
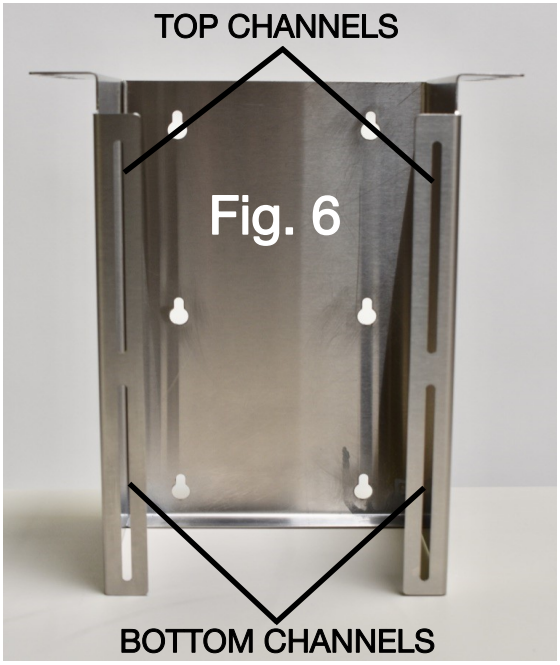


Fig. 5

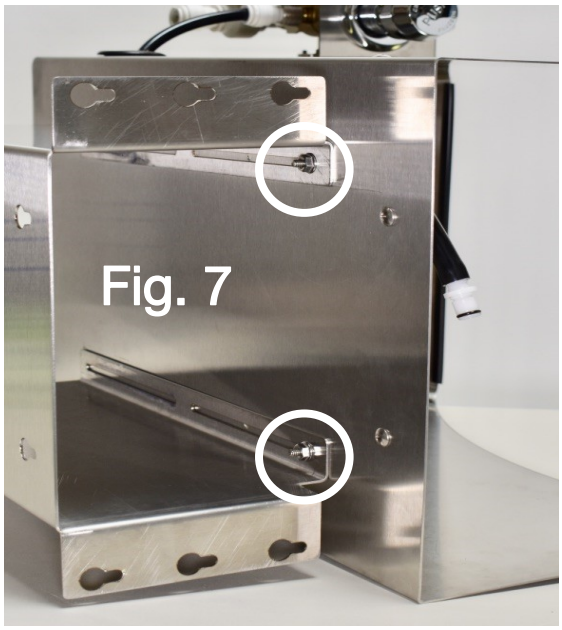
Mounting Stall to Wall With Bracket



Attaching Bracket to Stall

1. Attach Bracket to Stall by placing Stall on its side with valve facing up. Begin mounting by inserting fasteners in top 2 mounting holes of Stall **and** Top Channels of Bracket—do not fully tighten. **(See Figs. 6-7)**
2. Insert (4) additional fasteners into Bottom Channels of Bracket—do not fully tighten.
3. Once all (6) fasteners are in place, slide Bracket as far as possible toward bottom of Stall.
4. Tighten fasteners.

Mounting Completed Assembly (Stall +Bracket)



5. Determine desired location of completed assembly on wall and affix “WALL MOUNT TEMPLATE” to wall.
6. Align keyholes of template with keyholes of completed assembly to confirm final location of machine.
7. If location adjustments need to be made, move template until satisfied with final location of unit.
8. Once final location has been confirmed, drill pilot holes into wall with appropriate drill bit(s) for type and material of wall.
9. Fasten (6) #12 stainless steel fasteners into wall, allowing enough space between wall and fastener heads to use rear keyholes of Bracket to mount completed assembly to wall.
10. Carefully place completed assembly on wall making sure all fastener heads have cleared respective keyholes and tighten fasteners.
11. Make fine height and level adjustments by adjusting fasteners that secure Bracket to Stall.
12. Reassemble unit and proceed to Section 3 (pg. 6)

SECTION 2-D : THE CUBE / UTILITY STATION

Models BTRS-TC1 / BTRS-US1

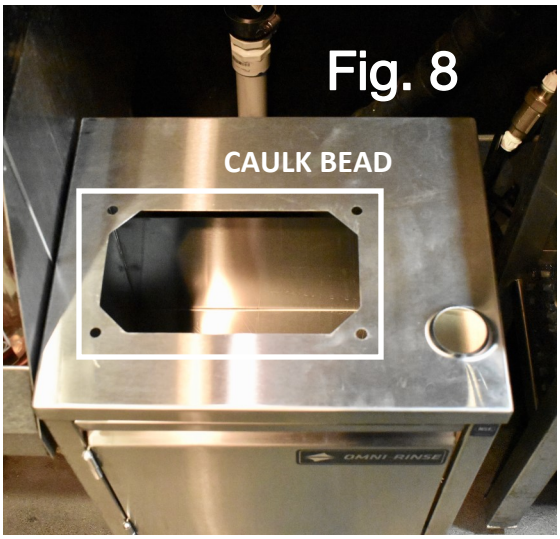
The Cube

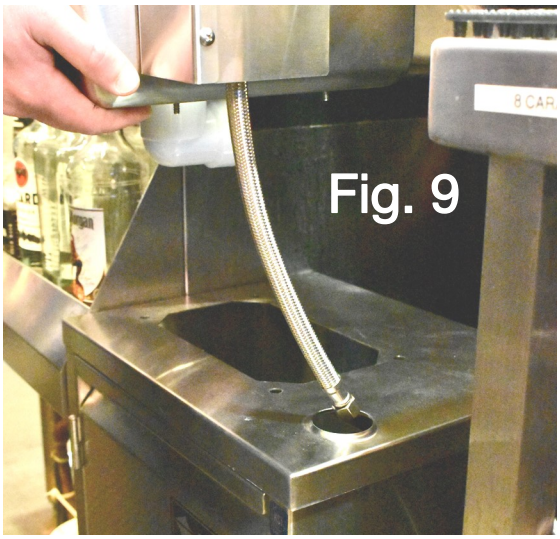
Utility Station

Steps for mounting Auto-Rinse ™ to Cube and Utility Station are identical

1. Confirm that drain elbow is secure before proceeding.
2. Connect braided supply line to self-metering valve.

3. Place bead of caulk or silicone on Cube or Utility Station as shown. **(See Fig. 8)**
4. Mount Stall by aligning threaded studs on bottom of Stall with corresponding holes on Cube or Utility Station. Use included 10-24 nuts to secure Stall. **(See Fig. 9)**
5. Reassemble unit and proceed to Section 3 below.





SECTION 3: PLUMBING CONNECTIONS

*****Always follow appropriate plumbing codes when installing the Auto-Rinse ™*****

PLUMBING DIAGRAM

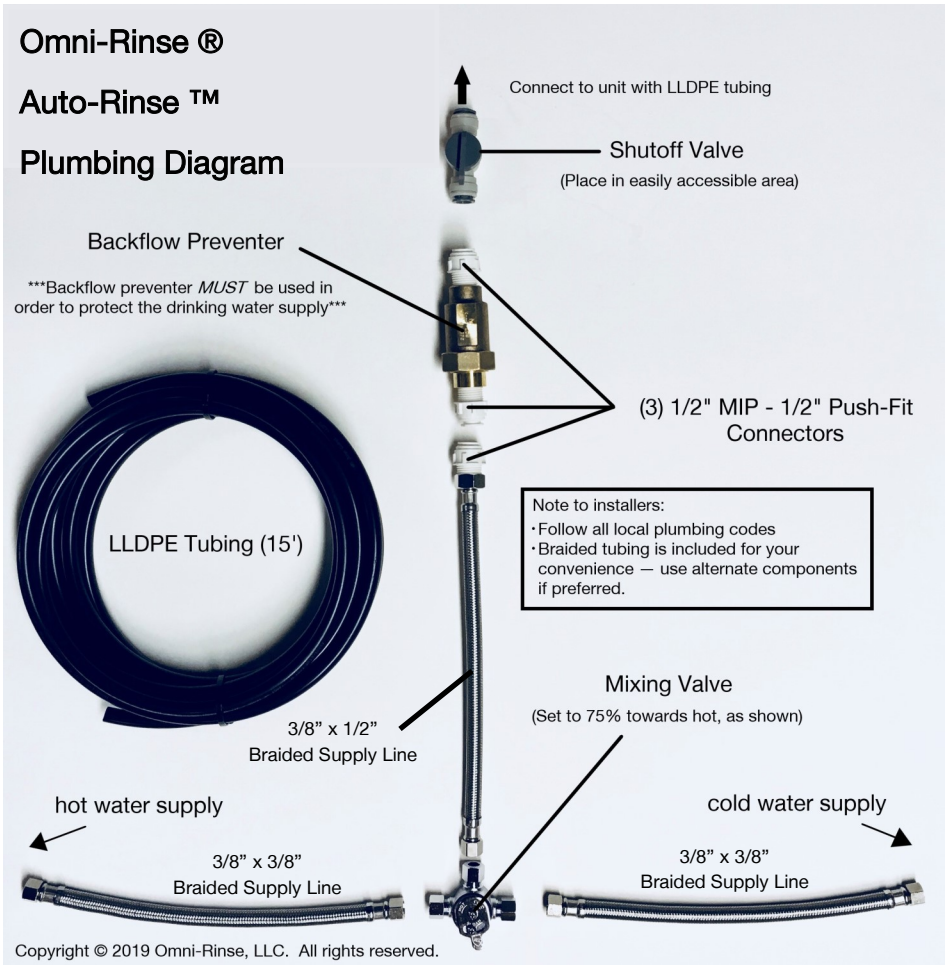


Fig. 10

Preparing the Drain Line

Auto-Rinse™ ships with a 1.5” SCH 40 PVC tub shoe elbow to keep the space beneath the unit free of obstructions. Omni-Rinse® highly recommends installing 1.5” rigid PVC or copper drain line. Bushing down to smaller sizes will accelerate clogging and is not recommended!

Supply Line Connections (refer to Plumbing Diagram on pg. 6)

LLDPE tubing, push fittings, and shutoff valve have been included for convenient installation. Alternatives such as braided supply lines, PEX, etc. can be used for water supply line connections between mixing valve, backflow preventer, and unit.

1. Connect mixing valve to a hot and cold water supply. 3/8” x 3/8” braided supply lines are included for your convenience.
2. Install (1) 1/2” MIP x 1/2” Push Fit connector to 3/8” x 1/2” braided supply line and connect to outlet of mixing valve. Mixing valve should be pre-set from factory at 75% towards hot. Operational water temperature should be approx. 90-100 degrees F.
3. Install remaining (2) ½” MIP x ½” Push Fit connectors to inlet and outlet of backflow preventer (instructions for backflow preventer are included for reference).
4. Cut appropriate ½” LLDPE tubing lengths to install shutoff valve and make final supply line connections to the unit. **Place shut off valve and backflow preventer in easily accessible locations.**

SECTION 5: TESTING AND CALIBRATION

1. Place 2 mixing tins or pint glasses upside down on Rinse Platform Mat and activate Rinse Button. Perform 3 cycles to purge air from system.
2. Record time of 3 cycles. Water should run for 4-6 seconds.
3. If cycle times are within specification for 3 consecutive cycles, calibration is complete. Skip to step 6.
4. If cycle time needs adjustment:
    a. Remove white plug that covers Access Hole on Rinse Button.
    b. Loosen set screw with included 3/32” hex key and remove Rinse Button to expose white plastic nut.
    c. Turn white plastic nut clockwise to lengthen rinse cycle, and counter-clockwise to shorten rinse cycle. Do not adjust plastic nut more than 1/2 turn at one time.
    d. After each adjustment, replace Rinse Button, and retest cycle time — weight of Rinse Button affects cycle time.
5. Once 3 consecutive cycles fall within 4-6 seconds, calibration is complete.
6. Tighten set screw through Access Hole in Rinse Button with included 3/32” hex key.
7. Replace white plug securely into Access Hole in Rinse Button.