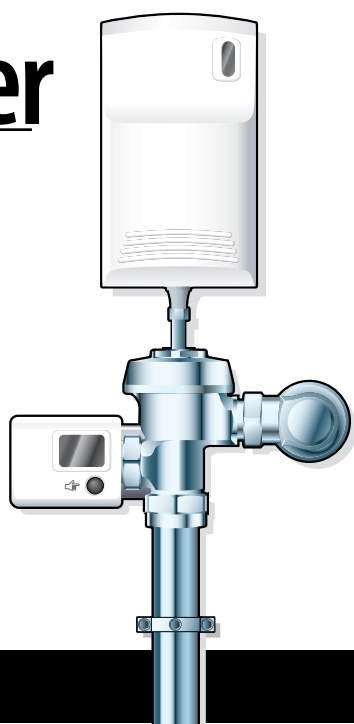


AutoClean® Dispenser

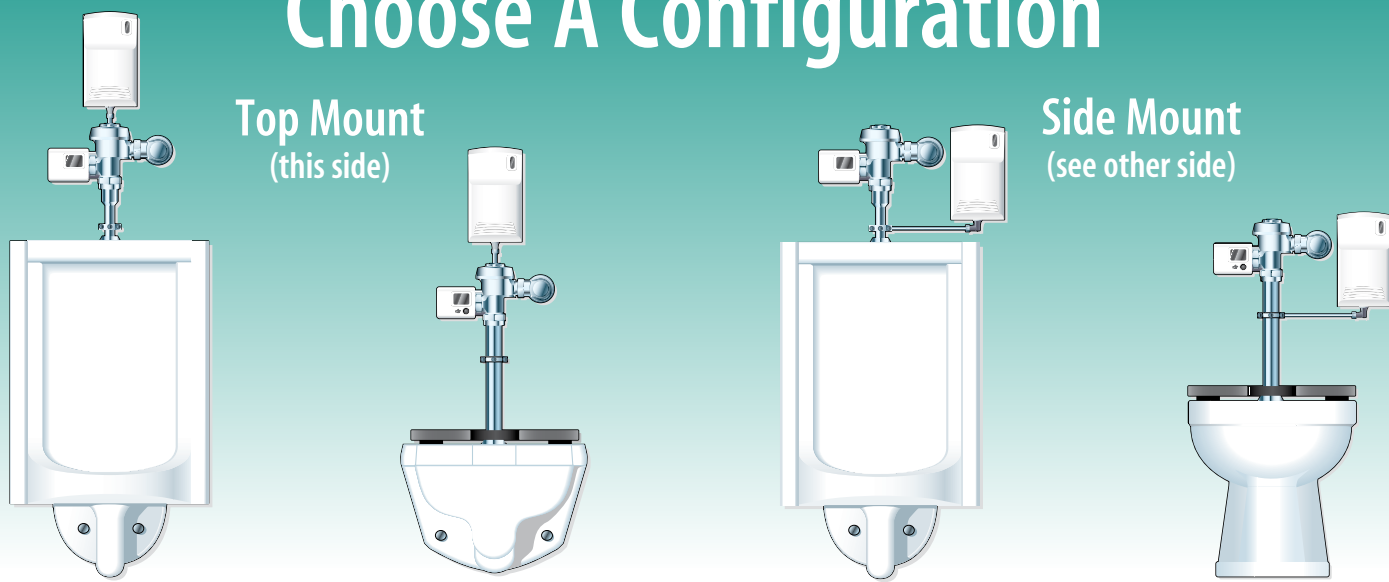
Top-Mount Installation  
Side-Mount (see reverse side)



Choose A Configuration

Top Mount  
(this side)

Side Mount  
(see other side)



Begin Top-Mount Installation

**Step 1.**

Clean the wall (see Fig. 3) with the alcohol pad, and dry completely with cloth.

**Fig. 1**

**Fig. 2**

**Step 2.**

Peel one side only of backing paper on the foam mounting pad and place onto the backside of the AutoClean Dispenser.

**Step 3.**

Attach the long side of the stainless steel tube to the AutoClean dispenser. Insert the end completely into fitting and hand-tighten the compression nut (Fig. 1).

**Step 4.**

Attach back half of the saddle to the short side of stainless steel tube and hand tighten the compression nut (Fig. 2). (Ensure black gasket is in place on back half of saddle, Fig. 4).

**Step 5.**

Clean this area of the wall behind the dispenser

**Fig. 3**

2-1/2" MIN.

**Fig. 4**

Black gasket must be in place.

**COMPONENTS**

Automatic Cleaning Dispenser

Foam Mounting Pad (Mounts dispenser to wall without drilling holes in wall)

Alcohol Pad (Cleans dirt and oil off wall and back of dispenser)

Open End Wrench (Use to tighten Retro Elbow and compression nut)

Cabinet Key (Prevents tampering with dispenser)

Screws & Anchors (Optional method of mounting dispenser to wall)

PVC washer

Retro Elbow (Converts dispenser for side mount configuration)

12-1/2" Stainless Steel Tube

Compression Nut

Neoprene Washer

**Drill-Thru Saddle Connection Kit (Separate Component Based on Pipe Size)**

• 3/4" for Urinals • 1-1/4" for Urinals • 1-1/2" for Toilets

Tube Connects Here (from AutoClean Dispenser)

Back Half of Saddle

Black Gasket (Ensure gasket is pressed into recess in back half of saddle or saddle will leak)

Front Half of Saddle

Drill Guide (Lines up front & back holes of saddle when drilling hole in pipe)

Plug/Seal (Plugs hole and prevents saddle from twisting around pipe)

Saddle Bolts

Insert into drill up to this mark.

Hex Key Wrench (Use to tighten saddle bolts)

Direct Delivery Tube

**Step 6. POSITION SADDLE**

**For 3/4" & 1-1/4" Sparge Pipe Size**

**Fig. 5**

Place front half of saddle around sparge pipe. Line up holes with back half of saddle and insert the two saddle bolts (Fig. 5).

**For 1-1/2" Sparge Pipe Size**

**Fig. 5a**

Sparge Pipe Connection Nut

Vacuum Breaker Location

3-1/4" or Lower

For 1-1/2" sparge pipe connection, position saddle at least 3-1/4" below sparge pipe connection nut to avoid puncturing the vacuum breaker (Fig 5a).

**Step 7.**

Remove paper backing from the foam pad and firmly press the dispenser against the wall, for 1 minute (2-1/2" above flush valve cap).

\* note screws & anchors are also included for use where tape is inappropriate.

With dispenser firmly mounted, securely tighten the 2 tube compression nuts and 2 saddle bolts (Fig. 6).

The AutoClean® Dispenser should be positioned 2-1/2" above the flush valve to prevent cover from hitting flush valve cap.

**Fig. 6**

Tighten compression nuts on tube.

Tighten saddle bolts.

2-1/2" Minimum

**Step 8.**

Insert the drill bit into drill chuck up to mark and tighten drill chuck (Fig. 7).

Insert drill bit into the drill bit guide on the saddle and drill thru both sides of the sparge pipe (Fig. 8 & 9).

Clean out the drilled pathway by repeating the drill motion back and forth a few times.

Use the drill bit supplied in the kit for one installation only.

**Fig. 7**

Drill depth mark

**Fig. 8**

Stainless Steel Tube

Drill Guide

Sparge Pipe

**Fig. 9**

Drill thru both sides

Flush Valve Sparge Pipe

**DRILL LAST**  
Drill only after dispenser, tube, and saddle are securely mounted.

**Step 9.**

Remove the drill bit guide from the saddle connection (Fig. 10).

Install the plug/seal where the drill bit guide was removed and firmly tighten with the hex key wrench (Fig. 11).

**Fig. 10**

**Fig. 11**

O-ring seal (must be on or leakage will occur)

**NOTE: ALL INSTALLATIONS REQUIRE THE DIRECT DELIVERY TUBE TO BE USED**

(Direct Delivery Tube)

(Diffuser)

**Step 10.**

Measure & cut the tube to length. Replace diffuser after cutting.

**Step 11.**

Detach the stainless steel tube from the back half of the saddle. If the distance between the flush pipe & the wall is less than 1 3/4" you will have to loosen the pipe with a wrench & rotate it for access.

**Step 12.**

Lube the delivery tube with soap. This will help the tube slide down the flush pipe.

**Step 13.**

Using the weighted diffuser, guide the delivery tube through the back half of the saddle and all the way down the flush pipe.

**Step 14.**

Re-attach the stainless steel tube to the back half of the saddle. This will push the nipple and o-ring into the saddle.

**Helpful Hint**

On 3/4" pipe size, remove the plug on the front & use the hex key wrench to aid in turning drip tube down the pipe.

**Step 15.**

To open dispenser cover, insert cabinet key and push key down, pulling cover forward and down (Fig. 14).

Next (Fig. 15):

1. Load batteries.
2. Rotate actuator with hole facing out.
3. Insert pump tip into actuator opening. Push refill firmly into actuator, setting the actuator seal. Rotate the refill into position, maintaining forward pressure.
4. Turn the Automatic Cleaning Dispenser ON & OFF 6 times to prime refill bottle. After priming leave dispenser "ON"
5. Press red refill reset button for 2 full seconds and close the cover.

**Fig. 14**

**Fig. 15**

• Actuator

• Refill Reset

• ON/OFF

**Flashing Yellow LED**  
Indicates unit is operating

**Light Sensor**

**Flashing Red LED**  
Indicates Purinol® refill bottle is empty

**Refill Reset Button**  
Every time a refill is changed, press this button for 2 full seconds to reset the dispenser.

**Preset to last 30 days!**  
(Normal setting)

**ON NORM LITE AUTO DAY TONE**

**LITE/HEAVY**

**24HR NIGHT QUIET**

**Normal**  
Dispenses formulation every 14 minutes. Refills last 30 days on Normal and 24 hour setting.

**Heavy**  
Dispenses formulation every 7 minutes. Refills last 15 days on Heavy and 24 hour setting.

**Lite**  
Dispenses formulation every 28 minutes. Refills last 60 days on Lite and 24 hour setting.

**Auto/24 Hr**  
Auto: Dispenser operates in selected day or night setting  
24 Hr: Dispenser operates 24 hours a day

**Day/Night**  
When in auto mode: Day: Dispenser operates when lights are on. Night: Dispenser operates when lights are off.

**Tone/Quiet**  
TONE adds different audio signals to reinforce visual signals, notifying when to change refills & batteries.

**PROGRAMMABLE FEATURES**

PROBLEM	CAUSE	SOLUTION TO PROBLEM
Yellow LED is not flashing	Unit is not powered	Install or replace with two new D-Cell Alkaline batteries (Always use Alkaline batteries!).
Red LED (indicator light) flashes	Refill needs replacing	Replace the refill bottle and press and hold red reset button for 2 seconds.
Bottle of Purinol® is not emptying	1.) Reset button was not pressed	Press and hold red reset button for 2 seconds.
	2.) Bottle was not primed or the refill is defective	Verify bottle is primed and formula is being dispensed. To prime refill, manually pump the bottle six times or turn power switch on and off six times with the refill in the dispenser. If the refill does not prime (no liquid is dispensing into the clear tube) replace the refill with another one. The valve may be faulty.
Purinol® Bottle is collapsed	3.) Batteries are weak or dead	Check to see if the batteries are good. If you are unsure, install two new D-Cell Alkaline batteries. (Always use Alkaline batteries!)
	4.) Saddle Connection and Direct Delivery Tube is not installed correctly	Verify that the saddle kit was installed correctly (i.e. the pipe is drilled through both sides) and there are no obstructions in the steel tubing or saddle connection. Also verify that the direct delivery tube is properly installed and is not kinked.
The AutoClean® is leaking at the dispenser	Loose or leaking connection	1.) Check the clear neoprene tube inside the dispenser (Tube & Connection Assembly #490226) that connects the actuator to the gray connector is intact and sealed. 2.) Check the nipple connection to the gray connection fitting (Tube & Connection Assembly #490226) inside of the dispenser and the connection to the steel tube at the base of the dispenser is intact and sealed. 3.) Verify the steel tube is sealing at the gray fitting at the base of the dispenser. Check that the steel tube is fully inserted into the gray fitting, the neoprene clear washer is in place, and that the compression nut is securely fastened.

PROBLEM	CAUSE	SOLUTION TO PROBLEM
The AutoClean® is leaking at the saddle	Loose or leaking connection	1.) Check that the hex center seal on the front of the saddle has not been over tightened causing a dent in the pipe. To do this, turn off the AutoClean® unit and disassemble the saddle. Inspect for an indented surface on the sparge pipe where the hole has been drilled. If it looks deformed, you may need to replace the sparge pipe and reinstall the saddle and direct delivery tube. 2.) Verify the rubber seal on the backside of the pipe inside of the saddle is in place. Remove the saddle clamp and inspect the drilled holes for burrs or debris that may cause a leak. 3.) The sparge pipe may have shifted during installation. Ensure the saddle parts are aligned correctly over the drilled holes and all fasteners are properly tightened. 4.) Verify the steel tube connection is sealed. Check that the steel tube is fully inserted into the saddle, the neoprene clear washer is in place, and that the compression nut is fully fastened.
Broken Gray plastic fitting	Steel tube not properly installed	The steel tubing needs to be fully inserted into the plastic fitting. Replace the plastic fitting assembly (Tube and Connection Assembly #490226) and reinstall the steel tube.

For additional Technical Support, please call Technical Concepts at 800-551-5155 ext. 7159

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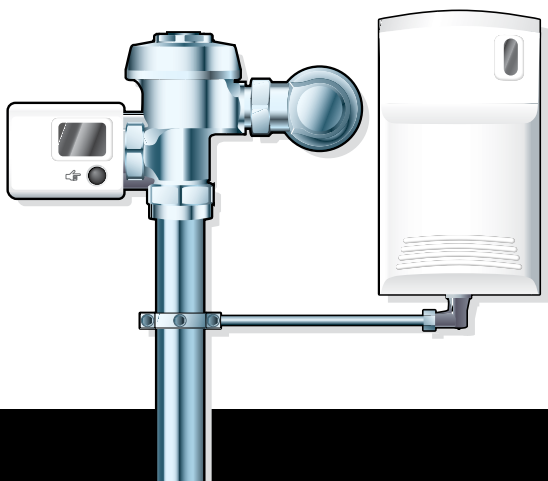
Toll Free: 1-800-551-5155      Web: www.technicalconcepts.com      Email: info@technicalconcepts.com



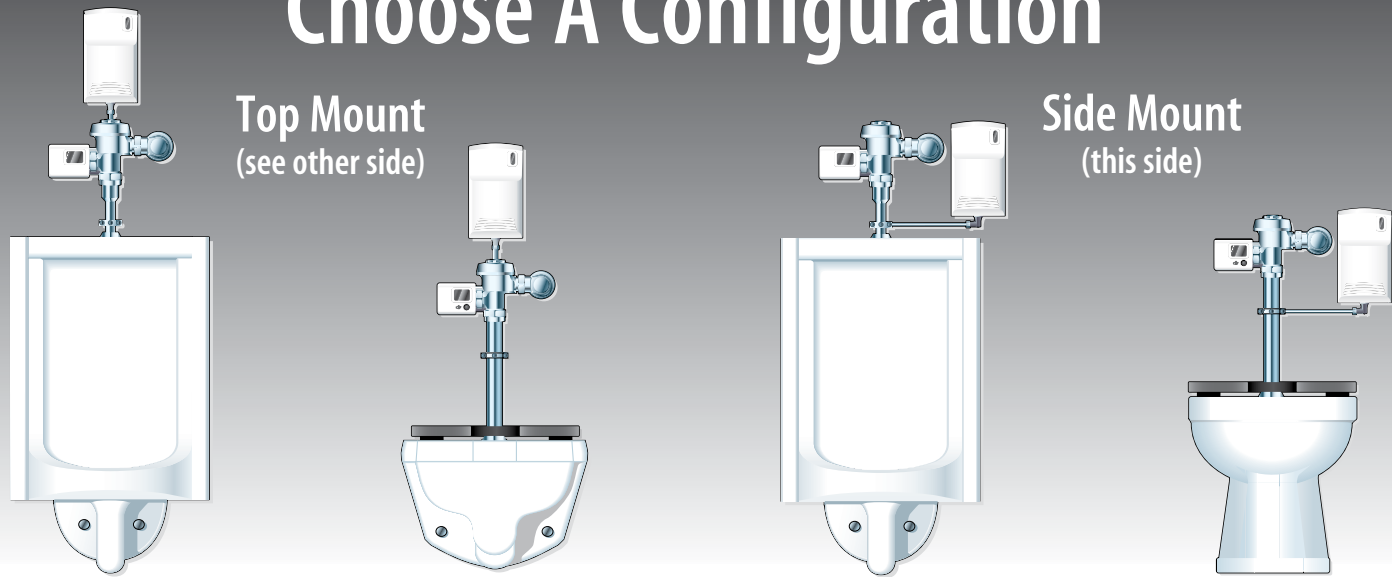
AutoClean® Dispenser

Side-Mount Installation

Top-Mount (see reverse side)

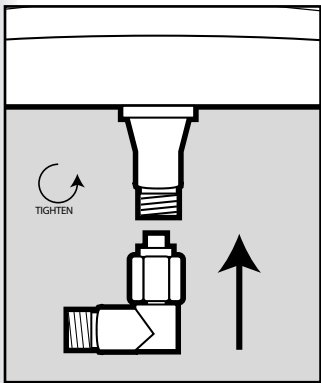


Choose A Configuration

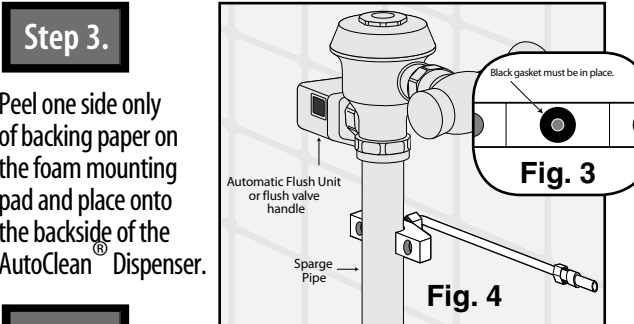
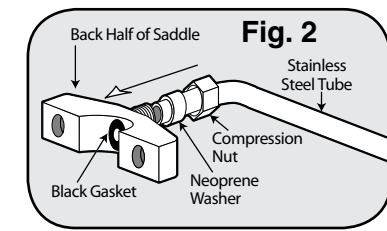
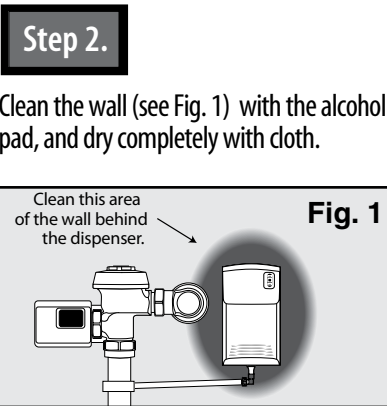


Begin Side-Mount Installation

BEGIN INSTALLATION



Step 1. Attach the Retro Elbow to the gray connector on the AutoClean® Dispenser. Insert completely into fitting & tighten the compression nut to ensure a secure connection. Use supplied wrench

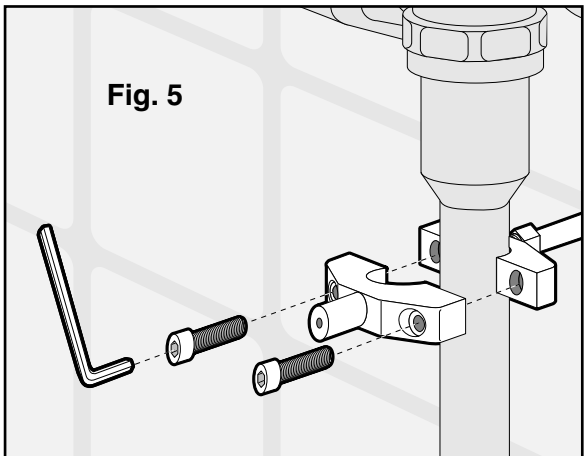


Step 4. Attach the short side of the stainless steel tube to the back half of the saddle and hand tighten the compression nut (Fig. 2). You will need to detach this item later in the installation process.

Step 5. Place the back half of the saddle around the sparge pipe (ensure black gasket is in place on saddle, (Fig. 3) with the tube in the opposite direction of the flush valve handle or AutoFlush® Unit (Fig. 4).

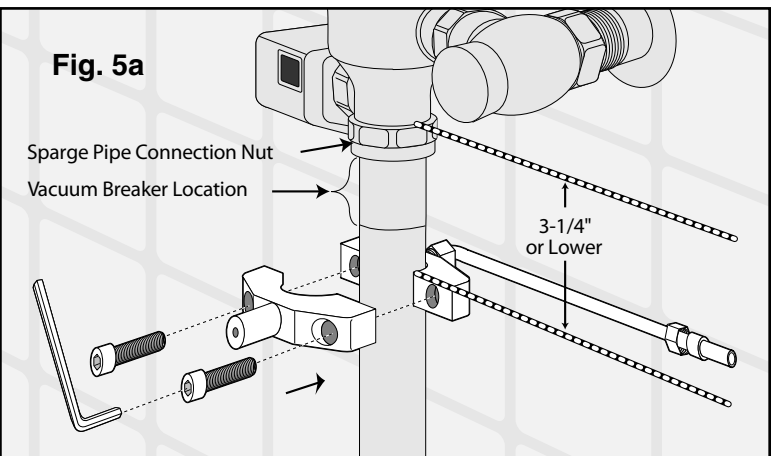
Step 6. POSITION SADDLE

For 3/4" & 1-1/4" Sparge Pipe Size



Place front half of saddle around sparge pipe. Line up holes with back half of saddle and insert the two saddle bolts (Fig. 5).

For 1-1/2" Sparge Pipe Size



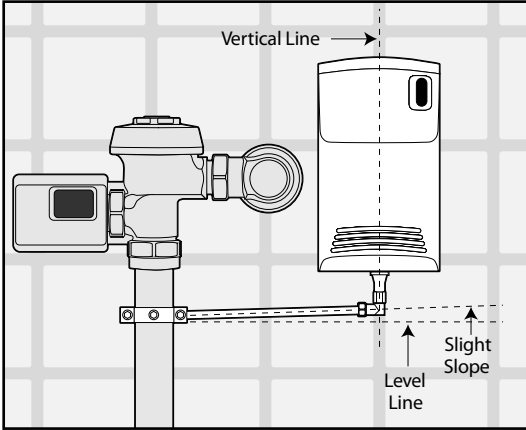
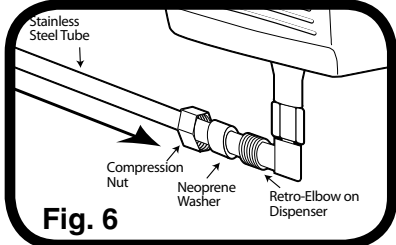
For 1-1/2" sparge pipe connection, position saddle at least 3-1/4" below sparge pipe connection nut to avoid puncturing the vacuum breaker (Fig 5a).

Step 7.

Attach long end of the stainless steel tube to the Retro - Elbow (Fig. 6).

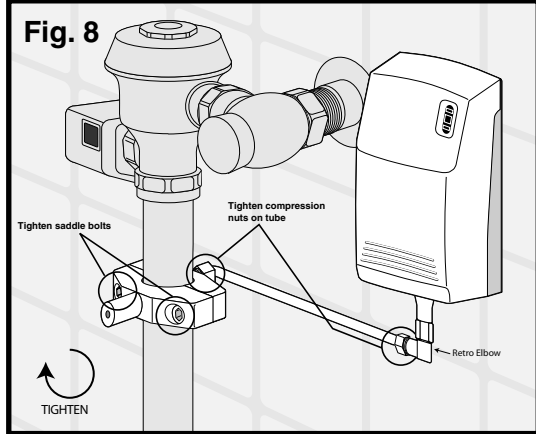
Step 8.

Place the AutoClean® Dispenser against the wall. The stainless steel tube should have a slight downward slope from the dispenser to the saddle connection and the dispenser should be level and vertical (Fig. 7).



Step 9.

Mark dispenser position on the wall. Pull dispenser away from the wall enough to remove the paper backing of the foam mounting pad. Align dispenser with marks on the wall and firmly press the dispenser against the wall for one minute. \* note screws & anchors are also included for use where tape is inappropriate.

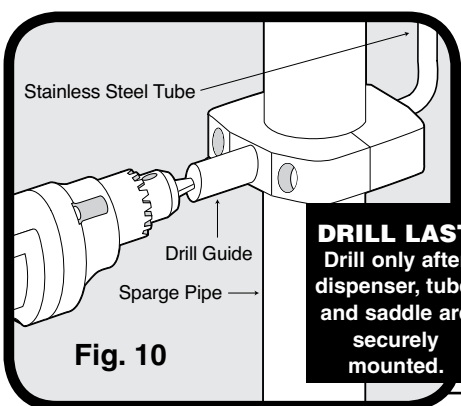


Step 10.

With dispenser firmly mounted, tighten the compression nut & saddle bolts (Fig. 8).

Step 11.

Insert the drill bit into drill chuck up to mark and tighten drill chuck (Fig. 9). Insert drill bit into the drill bit guide on the saddle and drill thru both sides of the sparge pipe (Fig. 10 & 11). Clean out the drilled pathway by repeating the drill motion back and forth a few times. Use the drill bit supplied in the kit for one Installation only.



Step 12.

Remove the drill bit guide from the saddle connection (Fig. 12). Install the plug/seal where the drill bit guide was removed and firmly tighten with the hex key wrench (Fig. 13).

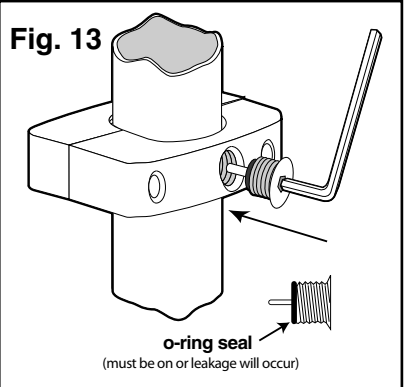
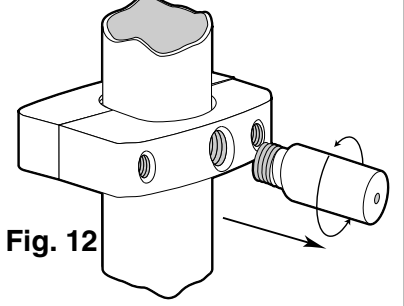


Fig. 9

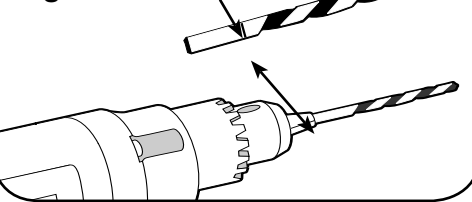
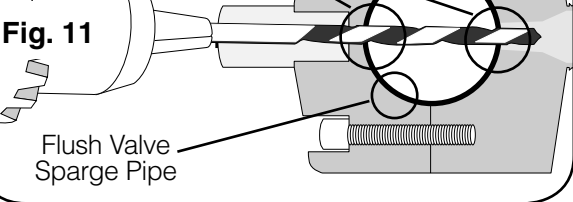


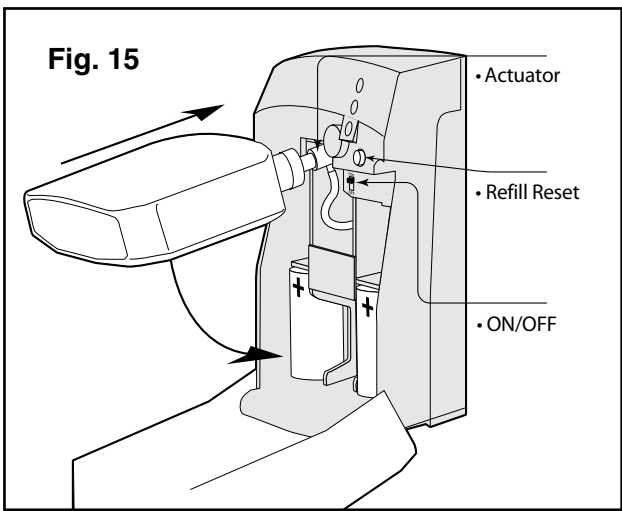
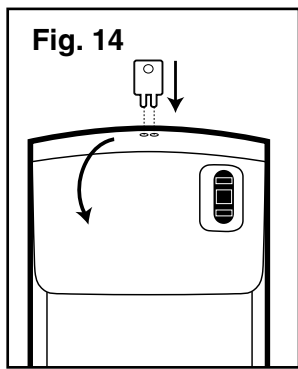
Fig. 10



Step 18.

To open dispenser cover, insert cabinet key and push key down, pulling cover forward and down (Fig. 14). Next (Fig. 15):

1. Load batteries.
2. Rotate actuator with hole facing out.
3. Insert pump tip into actuator opening. Push refill firmly into actuator, setting the actuator seal. Rotate the refill into position, maintaining forward pressure.
4. Turn the Automatic Cleaning Dispenser ON & OFF 6 times to prime refill bottle. After priming leave dispenser "ON"
5. Press red refill reset button for 2 full seconds and close the cover.



DIRECT DELIVERY TUBE

NOTE: ALL INSTALLATIONS REQUIRE THE DIRECT DELIVERY TUBE TO BE USED

Step 13.

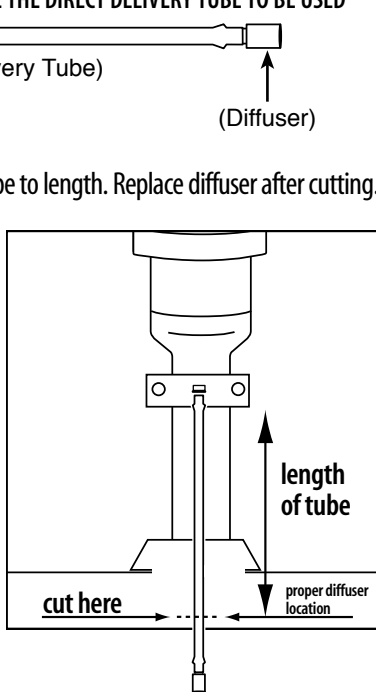
Measure & cut silicone drip tube to length. Replace diffuser after cutting.

Step 14.

Detach the stainless steel tube from the back half of the saddle. If the distance between the flush pipe & the wall is less than 1 3/4" you will have to loosen the pipe with a wrench & rotate it for access.

Step 15.

Lube the delivery tube with soap. This will help the tube slide down the flush pipe.

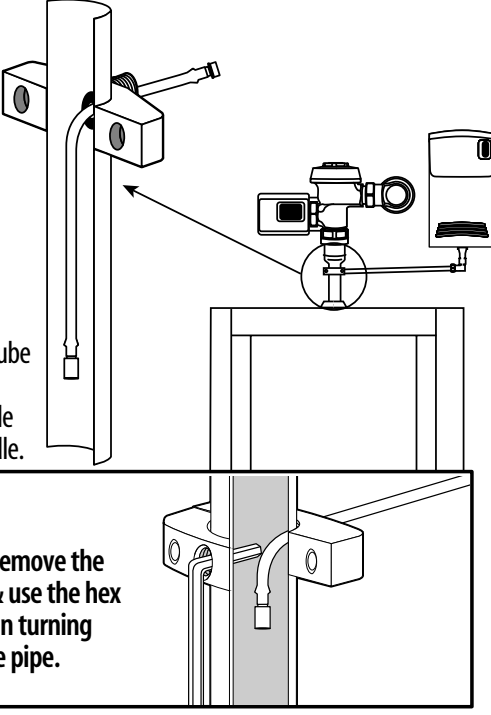


Step 16.

Using the weighted diffuser, guide the silicone drip tube through the back half of the saddle and all the way down the flush pipe.

Step 17.

Re-attach the stainless steel tube to the back half of the saddle. This will push the plastic nipple and black o-ring into the saddle.



Helpful Hint

On 3/4" pipe size, remove the plug on the front & use the hex key wrench to aid in turning drip tube down the pipe.

TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION TO PROBLEM
Yellow LED is not flashing	Unit is not powered	Install or replace with two new D-Cell Alkaline batteries (Always use Alkaline batteries!).
Red LED (indicator light) flashes	Refill needs replacing	Replace the refill bottle and press and hold red reset button for 2 seconds.
Bottle of Purinel is not emptying	1.) Reset button was not pressed 2.) Bottle was not primed or the refill is defective 3.) Batteries are weak or dead 4.) Saddle Connection and Direct Delivery Tube is not installed correctly	Press and hold red reset button for 2 seconds. Verify bottle is primed and formula is being dispensed. To prime refill, manually pump the bottle six times or turn power switch on and off six times with the refill in the dispenser. If the refill does not prime (no liquid is dispensing into the clear tube) replace the refill with another one. The valve may be faulty. Check to see if the batteries are good. If you are unsure, install two new D-Cell Alkaline batteries. (Always use Alkaline batteries!) Verify that the saddle kit was installed correctly (i.e. the pipe is drilled through both sides) and there are no obstructions in the steel tubing or saddle connection. Also verify that the direct delivery tube is properly installed and is not kinked.
Purinel Bottle is collapsed	Batteries are weak	The batteries may be weak and a full stroke of the actuator may not be taking place allowing a complete displacement of formula. Install two new D-Cell alkaline batteries. (Always use Alkaline Batteries!)
The AutoClean® is leaking at the dispenser	Loose or leaking connection	1.) Check the clear neoprene tube inside the dispenser (Tube & Connection Assembly #490226) that connects the actuator to the gray connector is intact and sealed. 2.) Check the nipple connection to the gray connection fitting (Tube & Connection Assembly #490226) inside of the dispenser and the connection to the steel tube at the base of the dispenser is intact and sealed. 3.) Verify the steel tube is sealing at the gray fitting at the base of the dispenser. Check that the steel tube is fully inserted into the gray fitting, the neoprene clear washer is in place, and that the compression nut is securely fastened.

TROUBLE SHOOTING GUIDE

PROBLEM	CAUSE	SOLUTION TO PROBLEM
The AutoClean® is leaking at the saddle	Loose or leaking connection	1.) Check that the hex center seal on the front of the saddle has not been over tightened causing a dent in the pipe. To do this, turn off the AutoClean® unit and disassemble the saddle. Inspect for an indented surface on the sparge pipe where the hole has been drilled. If it looks deformed, you may need to replace the sparge pipe and reinstall the saddle and direct delivery tube. 2.) Verify the rubber seal on the backside of the pipe inside of the saddle is in place. Remove the saddle clamp and inspect the drilled holes for burrs or debris that may cause a leak. 3.) The sparge pipe may have shifted during installation. Ensure the saddle parts are aligned correctly over the drilled holes and all fasteners are properly tightened. 4.) Verify the steel tube connection is sealed. Check that the steel tube is fully inserted into the saddle, the neoprene clear washer is in place, and that the compression nut is fully fastened.
Broken Gray plastic fitting	Steel tube not properly installed	The steel tubing needs to be fully inserted into the plastic fitting. Replace the plastic fitting assembly (Tube and Connection Assembly #490226) and reinstall the steel tube.

For additional Technical Support, please call Technical Concepts at 800-551-5155 ext. 7159



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PROGRAMMABLE FEATURES

<b>Normal</b> Dispenses formulation every 14 minutes. Refills last 30 days on Normal and 24 hour setting.	<b>Heavy</b> Dispenses formulation every 7 minutes. Refills last 15 days on Heavy and 24 hour setting.	<b>Lite</b> Dispenses formulation every 28 minutes. Refills last 60 days on Lite and 24 hour setting.
<b>Auto/24 Hr</b> Auto: Dispenser operates in selected day or night setting 24 Hr: Dispenser operates 24 hours a day	<b>Day/Night</b> When in auto mode: Day: Dispenser operates when lights are on. Night: Dispenser operates when lights are off.	<b>Tone/Quiet</b> TONE adds different audio signals to reinforce visual signals, notifying when to change refills & batteries.