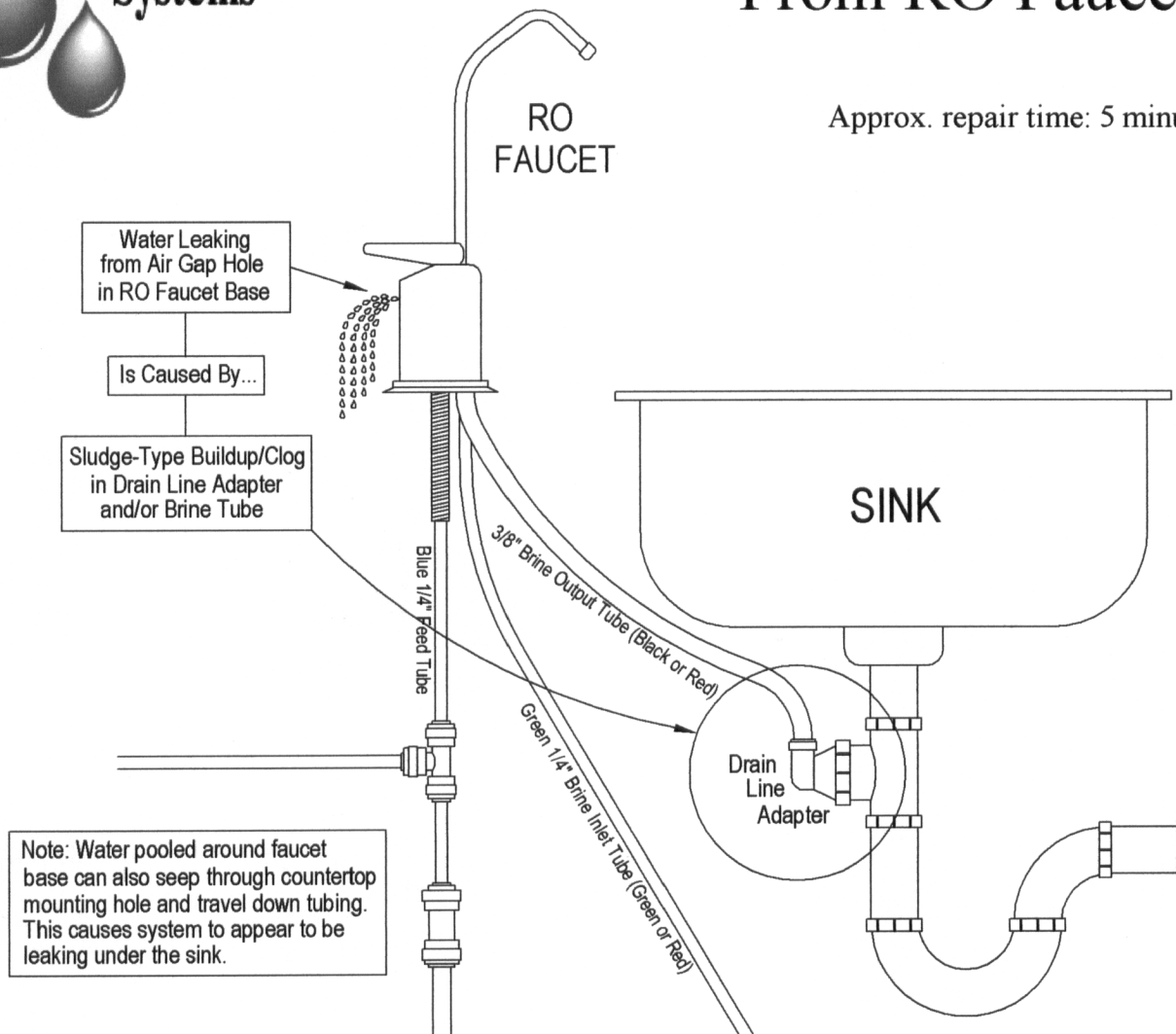


## Resolving Air Gap Leak From RO Faucet

Approx. repair time: 5 minutes



### Air Gap Leak Explained:

During the production of permeate water, a Reverse Osmosis water system rinses the removed contaminants (brine) via the Brine Output Tube to the drain pipe of the sink. If unable to escape through the sink drain pipe, this brine water will back up and escape the system through the Air Gap Hole located on the back of the Air Gap Faucet.

Through the course of time, ANY sink drain plumbing is susceptible to a bacteria generated sludge-type buildup that can occur - forming a complete blockage of the brine water disposal pathway.

Match ONE of the following two diagrams to the type of drain line connection your system utilizes. Once identified, use the instructions to locate the clogged area, clear the obstruction, and restore your system to working order.

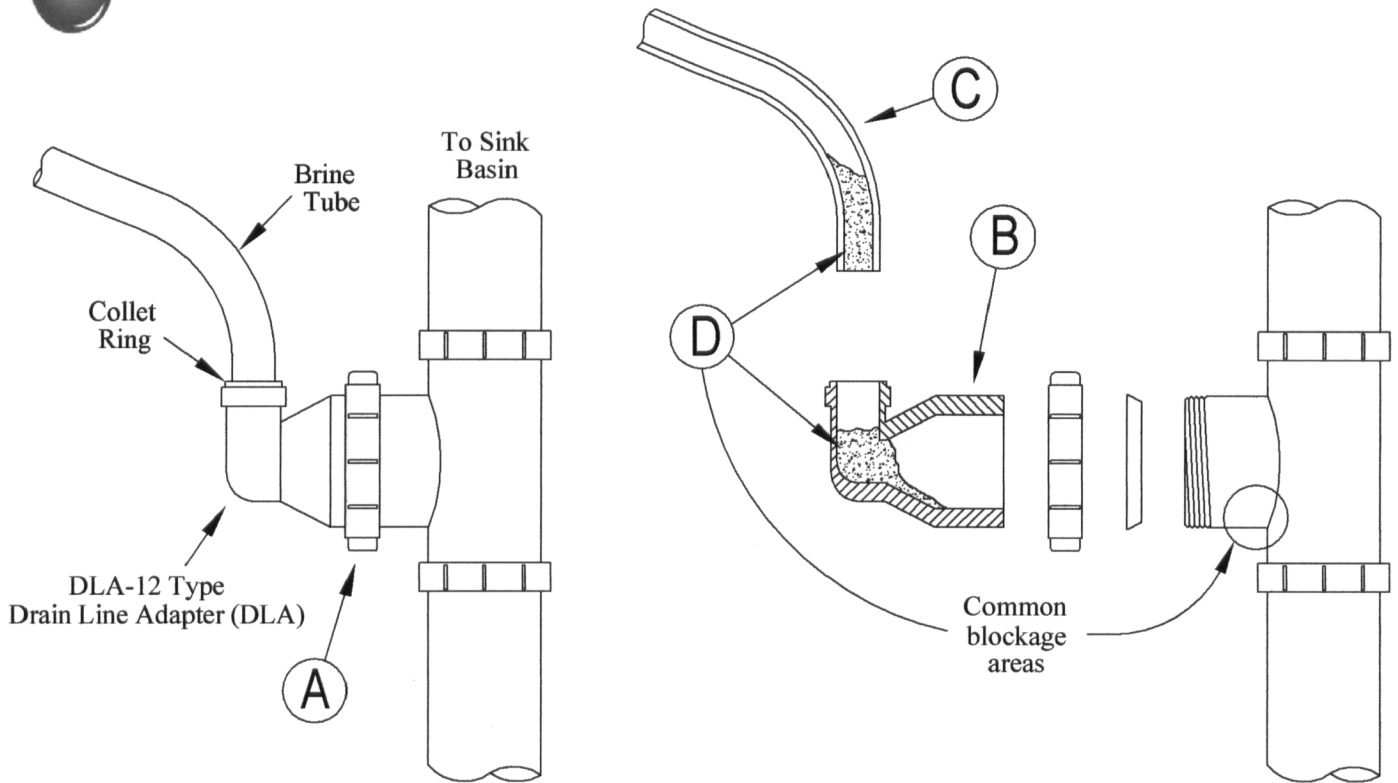
Fresh Water Systems 1-800-464-8275



# Resolving Air Gap Leak

(For DLA-12 Type Drain Line Adapter)

Approx. repair time: 5 minutes



1) Turn Tank Valve handle on top of 3 gallon reservoir tank to the "OFF" position.

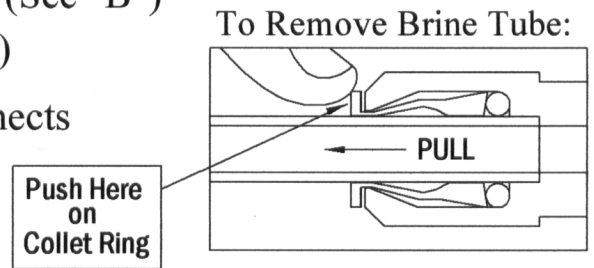
(Rotate blue valve handle 1/4 turn so it is perpendicular to tube going into valve)

2) Loosen large collar nut securing DLA-12 to drain pipe. (See "A")

3) Remove DLA adapter cup from sink drain pipe. (See "B")

4) Remove Brine Tube from DLA fitting. (See "C")

\*Locate the collet ring at point where tubing connects into fitting. Push & hold collet ring down while pulling tube out in opposite direction.



5) Clean out all clogging debris (See "D") using paper clip, knife blade, or other small tool

6) Reconnect Brine Tube into fitting. (Ensure DLA-12 90° opening is vertical)

7) Turn Tank Valve handle back to "ON" position.

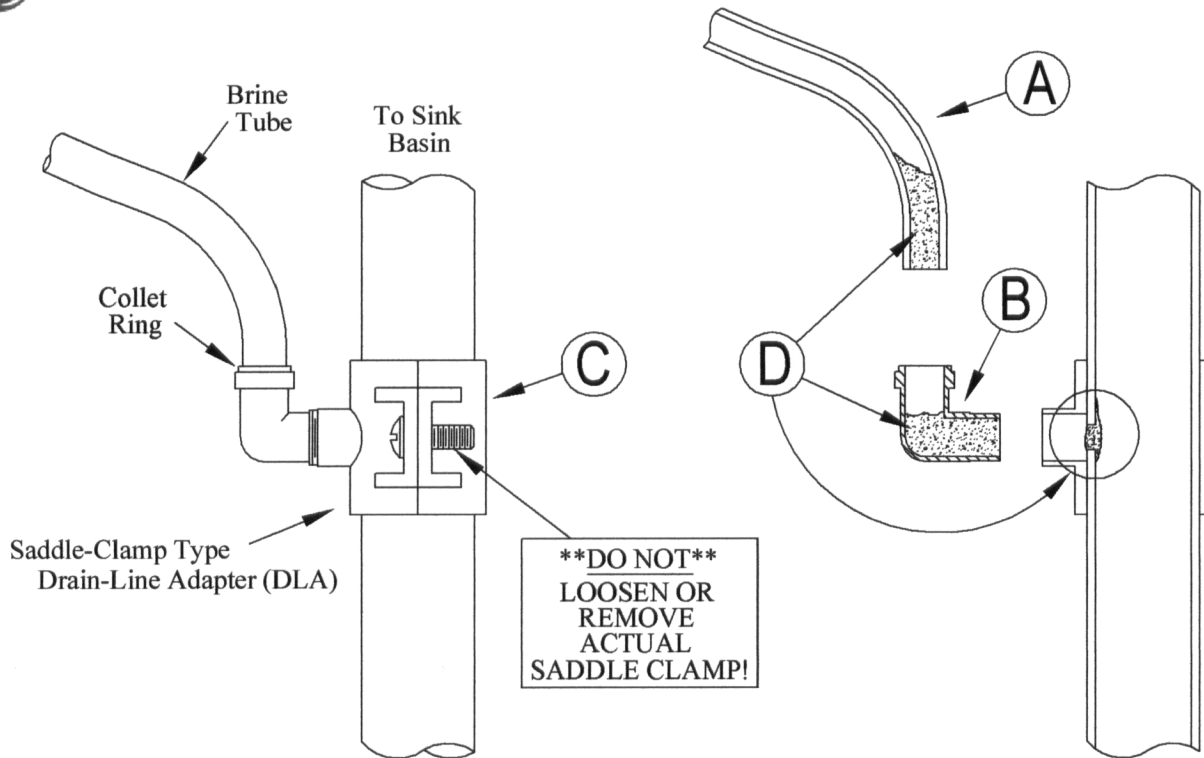
(Rotate blue valve handle 1/4 turn so it is parallel or in-line with tube going into valve)

~ Air Gap Leak has now been resolved ~

If further assistance is required, call 1-800-464-8275

## Resolving Air Gap Leak (For Saddle-Clamp Type Drain Line Adapter)

Approx. repair time: 5 minutes



1) Turn Tank Valve handle on top of 3 gallon reservoir tank to the "OFF" position.

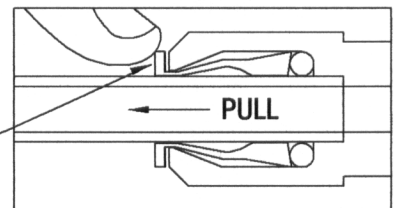
(Rotate blue valve handle 1/4 turn so it is perpendicular to tube going into valve)

2) Remove Brine Tube (See "A") from 90° fitting (See "B").

To Remove Brine Tube:

\*Locate the collet ring at point where tubing connects into fitting. Push & hold collet ring down while pulling tube out in opposite direction.

Push Here on Collet Ring



3) Using adjustable wrench, remove 90° fitting (See "B") from Saddle Clamp on drain pipe

\*Do not loosen or remove Saddle Clamp Assembly yoked around drain pipe! (See "C")

4) Clean out all clogging debris (See "D") using paper clip, knife blade, or other small tool

5) Reconnect Brine Tube into fitting. (Ensure 90° fitting opening is vertical)

6) Turn Tank Valve handle back to "ON" position.

(Rotate blue valve handle 1/4 turn so it is parallel or in-line with tube going into valve)

~ Air Gap Leak has now been resolved ~

If further assistance is required, call 1-800-464-8275



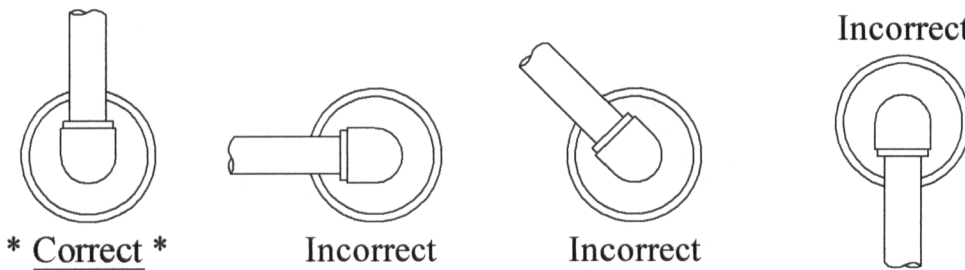
## Resolving Air Gap Leak Additional Troubleshooting:

**PROBLEM:** Air Gap leak continues after following instructions per diagram:

Step 1: Make sure no dips, sags, or loops reside in Brine Output Tube

Step 2: Ensure Brine Output Tube enters Drain-Line Adapter (or 90° fitting) vertically:

Frontal view of Drain Line Adapter & inserted Brine Output Tube:



Step 3: Perform the following diagnostic test: (if steps 1&2 did not resolve leak)

- Turn Tank Valve OFF (leaving system FEED valve in ON position):
- Remove Brine Output Tube from Drain-Line Adapter
- Hold Brine Output Tube directed downward and place into container
- OPEN Freshwater Air Gap Faucet handle (only steady dribble will come out)  
(System will now turn on and begin producing drain water through Brine Output Tube)
- Verify that water flows (trickles) out of open end of Brine Output Tube into container

**Test Result:** Water flows out of open ended Brine Output Tube & no longer out of Air Gap.

**Diagnosis:** Additional clog resides further in within sink plumbing

**Test Result:** Water does not flow out of open end of Brine Output Tube - but continues to flow out of Air Gap hole on faucet.

**Diagnosis:** Additional clog resides further up in Brine Output Tube.  
(must clean entire length of Brine Output Tube using coat hanger or long wire)

**PROBLEM:** Water leaks from Brine Output Tube connection to Drain-Line Adapter:

Step 1: Push Brine Output Tube further into Drain-Line Adapter until it fully seats  
(3/8" diameter Brine Output Tube will push into Drain-Line Adapter fitting 3/4" deep)