

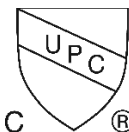


K100-75 Telescoping Drain

****INSTALLATION INSTRUCTIONS****

6/2016

IMPORTANT: Please read through all these instruction sheets and become familiar with all the parts and requirements PRIOR to installation. Although the system can be installed in most work areas with the proper waste connections, there are necessary steps that are very important to follow to ensure the proper operation of the telescoping drain unit. Refer to the appropriate local and state codes as it applies to the location of the waste drain for your particular installation.



IAPMO File # 5496

1. These instructions are written illustrating use of the Accessible Systems Drain Support Bracket, available as an accessory. Other drain mounting means can be used as long as a plumb and level drain position can be achieved and the base of the drain is held securely in place.

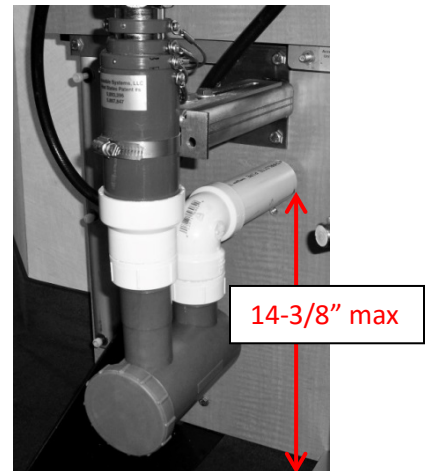
2. Mount the adjustable height sink to floor or wall as required. Be sure to level the sink and confirm its range of travel is 12" or less. **The K100-75 drain is capable of 12 inch travel maximum. Attempting to extend the drain beyond 12" will cause irreparable damage to the drain.**



Ensure the bowl is level

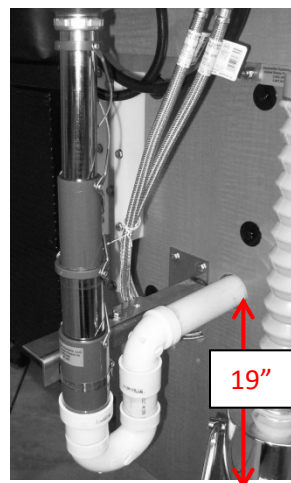
3. Elevate the sink to its highest position. Mount the Drain Support Bracket assembly onto the laminated mounting panel, wall, or sink frame using the four 5/16" fasteners. Make sure the two 5/16" bolts holding the Drain Pipe Clamp to the Drain Pipe Support Bracket & the hose clamp are loose enough to make adjustments. The ASI Drain Support Bracket can be mounted behind or beside the Drain, depending on the rough in height available or required.

1. The rear mount configuration accommodates waste pipe heights below 14-3/8". The rear mount configuration is depicted in most of the photos in this manual.



Rear mount configuration
– bracket above drain

2. The side mount configuration accommodates waste pipe heights above 14-3/8".



Side configuration –
Bracket is mounted
on left side of drain,
allows waste pipe
above 14-3/8"

4. With the sink or lavatory at its highest position extend the Telescoping drain to the basket strainer or tailpiece. Connect the slip joint nut, make sure to use the proper gasket at the joint. Make sure the drain cables face rearward, towards the wall at this time. Adjust the Drain Pipe Support Bracket so that the Telescoping Drain unit is plumb to the floor and hand tighten the 5/16" bolts on the bracket.



adjust bracket so drain is plumb

NOTE: It is critical to the proper operation of the telescopic drain that the bowl strainer basket is level, front to back and side to side, and the telescopic drain is installed perpendicular to the floor – any deviation to this will cause premature wear and possible failure of the drain system.

5. Now move the unit to the lowest position and fully tighten the two 5/16" bolts holding the pipe clamp to the drain support bracket making sure the drain is still plumb and parallel. Also make sure the bracket is aligned with the bottom section of drain before tightening.

6. With the sink in its lowest position, loosen the hose clamp enough to slide the drain up so it is fully contracted. Using a marker or other means, scribe a line on the drain unit along the bottom of the hose clamp.



7. Raise the sink to its highest position and pull down on the drain so it is fully extended and cables are taught. Using the marker, scribe a line along the top of the hose clamp.

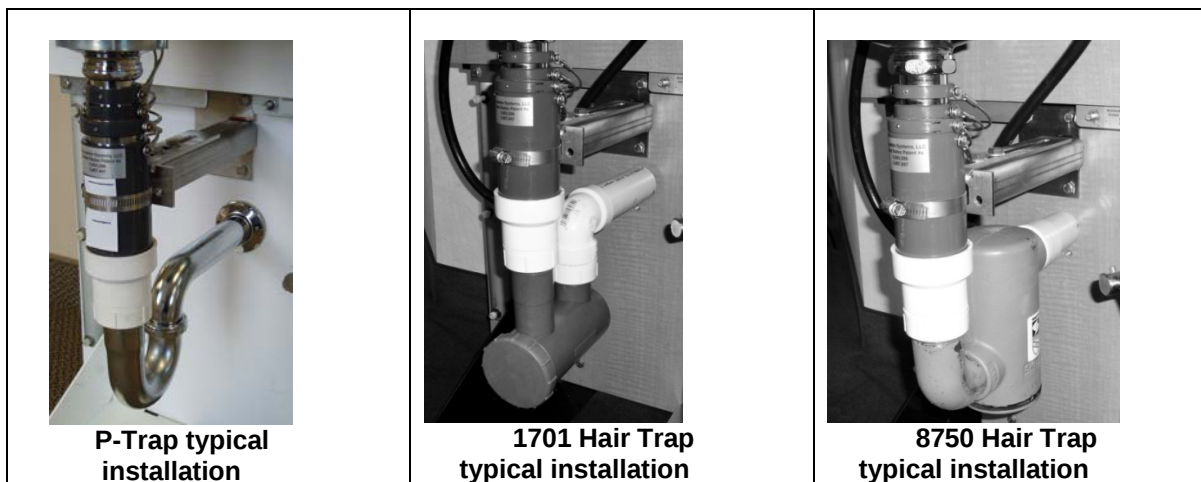
8. Adjust the bottom section of the drain unit (2" PVC pipe) up about 1/4" from full extension, centering the hose clamp between the marks made, and tighten the hose clamp. Move the unit to both up & down extremes to check for binding. Make any minor adjustments to eliminate any binding before proceeding.



NOTE: Refer to pictures on page 10 for drain positioning and orientation. Do not construct your P-Trap until the drain is positioned properly and functions properly.

CAUTION: Do not over tighten the hose clamp to the Drain Pipe Subassembly (#14). Lower the shampoo bowl and observe the action. Again, movement of the Riser Pipe (Telescopic Drain) should be smooth and continuous.

9. Dry fit the bottom of the Drain Pipe Subassembly to the wastewater drain pipe using a UPC approved P-Trap (not supplied) or a hair trap. A P-trap with a union is recommended. Use appropriate plumbing methods to seal and secure the P-trap to the drain and the roughed in 1 ½" waste drain. **Do not glue the P-Trap until you conduct the Initial Testing Procedure on**



the following page.

CAUTION: Again, keep in mind that the Riser Pipe telescopes up and down *within* the Drain Pipe Subassembly. Consider proper alignment when performing the final connection of the P-Trap to the Drain Pipe Subassembly and wastewater drain pipe. The Riser Pipe cannot be allowed to bind; the motion should be smooth and continuous. After P-Trap installation and proper alignment and smooth action is achieved, connect the Riser Pipe to the basket strainer and tighten all associated hardware.



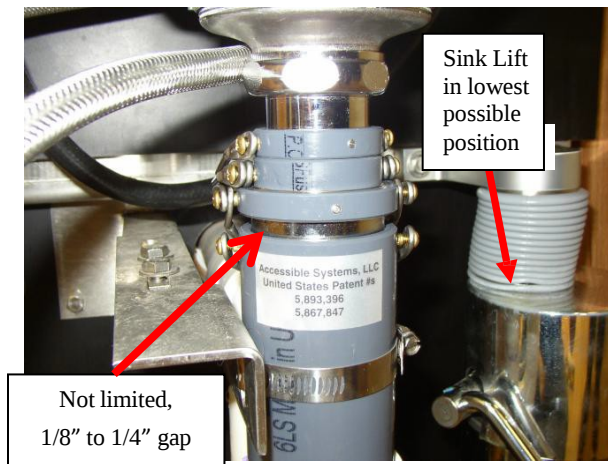
Optional Drain Support Bracket



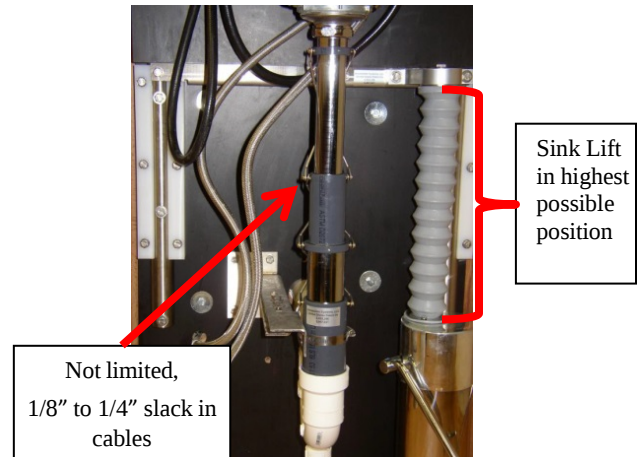
Drain mounted to sink frame cross member

10. INITIAL TESTING PROCEDURE

- Raise and lower the unit all the way up and down several times to be sure it is operating properly, without binding **before and after** connecting it to the building drain.
- Be sure there is about $\frac{1}{4}$ " total slack in the cable linkage system when the unit is fully extended as described above. It is important that the lift system reaches its limits **prior** to the drain extending to its full range. Make any minor adjustments that are needed to keep the lift system from binding and to ensure that the lift system reaches its end of travel limit prior to the 3-Stage Telescopic Drain Assembly extending to its full range.



Note: The lift system limits **prior** to the drain limiting out



Note: The lift system limits out **prior** to the drain limiting out and the drain is **perpendicular** to the floor

- Now ensure that all of the parts are tightened securely and glue the 2" x $1\frac{1}{2}$ " PVC Reducer/ Coupling to the P-trap and building drain. Care should be used to ensure you do NOT cause strain or binding on the vertical 3-Stage Telescoping Drain Assembly.

11. FINAL TESTING / LEAK TESTING PROCEDURE

Turn on the faucet and let run for 3-5 minutes at both the highest and lowest height positions. Check all assembled plumbing joints to verify seals. Take appropriate action to address any leaks. The telescopic drains are pressure tested per ASME standards and date coded prior to shipment—they should not leak if installed properly.

