

K100 SERIES **INSTALLATION INSTRUCTIONS**

2022

There are three keys to a successful installation:

1. Locate the drain rough-in along the centerline of the installed sink system. Hair interceptors need to be aligned straight back to not interfere with the moving shroud when fully assembled.

If the rough-in is not on center and you are installing on a cabinet – correct the offset within the cabinet bulkhead space.

- 2. This unit requires both supply lines installed on the left of the drain connection.
- 3. Secure the telescoping drain and verify the full range of vertical motion of the sink FIRST, then connect the trap between the drain and rough-in. You may need to construct a trap from components to get the elevations to align.

Your system comes in three boxes, what is included:

Shampoo Bowl box (left in photo): 24"x26"x15", 40 lbs.

Contains the Comfort Fit bowl, or 3000W or 8400K bowl, bowl mounting bracket, fixtures, spray hose, and vacuum breaker or backflow preventer.

Shroud box (center): 16"x21"x13", 22 lbs. Contains the K100-68 metal shroud, T1512 drain unit, K100-72 & -73 drain mounting bracket, 20260 strainer basket, 30" flexible supplies, pump handle, assembly instructions and hardware.

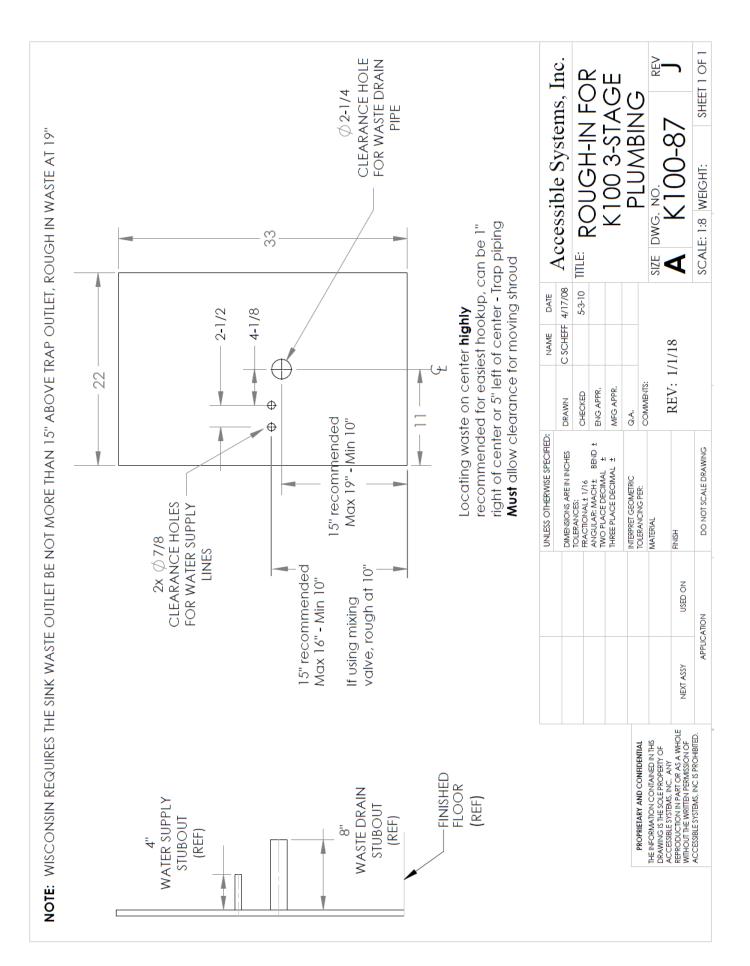


K100 box (right in photo): 14"x28"x39", 85 lbs

Contains the main unit lift system with pump and back splash panel.

Required Hardware/Supplies Not Included: UPC Listed P-Trap, 90 Degree Supply line shut-off valves, Long-Length Sheet Rock Screws, Lag Bolts and/or 5/16" Bolts-Washers-Nuts (if mounting to cabinet), Plumbing Supplies such as Plumbers Putty, Sealant, Silicone Caulk, etc.

For replacement part orders or further information please contact Customer Service at: (612) 238-4600 Local Building Codes May Apply. Adjust-a-Sink® is a registered trademark of Accessible Systems, Inc.



Adjust-A-Sink® System by Accessible Systems Inc. | Minneapolis, MN | 612-238-4600 | www.adjustasink.com

The following Step-by-Step Instructions reference the following Accessible Systems drawings:

K100 Overall Assembly, Sheet 1

K100 Overall Assembly, Sheet 2

K100-87 Plumbing Rough-in Drawing

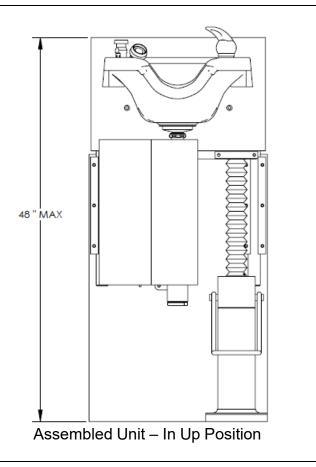
STEP 1: SITE EVALUATION, PLUMBING ROUGH IN, & MOUNTING PANEL PREPARATION

The Adjust-a-Sink® System is designed to be mounted directly to the face of a finished interior wall, with the proper rough-in plumbing already installed. The System can also be cabinet or station mounted by a qualified installer.

For installation directly on a wall, place blocking behind finished wall as shown here: 33" The adjustable backsplash requires adequate clearance to lift. Add spacer blocks or panels behind the K100 unit if trim work or counter tops will interfere.

1A. The Wall Mounting Panel is 22" wide and 33" high, the sink and backsplash will elevate to 48". The bottom of the Wall Mounting Panel rests on the finished floor.

The mounted shampoo bowl and its drain is <u>centered</u> within the 22" width of the Wall Mounting Panel that is, the center of the drain is <u>11" from the left edge</u>. Keeping this in mind will simplify the process.



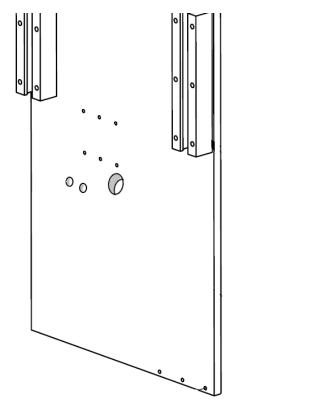
1B. Drill the necessary holes in the Mounting Panel for water supply lines and Drain Pipe:

Before you begin, verify once more that the wastewater drain pipe and supply water stub-outs have been properly located per drawing **K100-87** Plumbing Rough-In.

We suggest using the following to drill out the necessary through holes on the mounting panel:

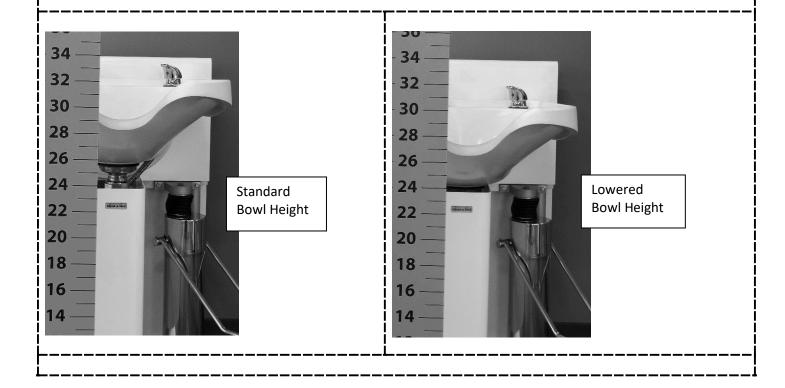
7/8" Min. Dia. – Hot and cold supplies

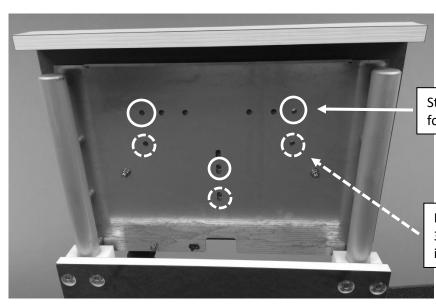
2-1/4" Min. Dia. Hole Saw – Waste Drain



1C. OPTIONAL for a 2" lower BOWL HEIGHT for 3050 Comfort Fit or 3000W bowl

The K100 is set up as shipped from the factory for a standard bowl height of 34" from rim to floor, in the lowest position. This provides a neck rest height of 31" from the floor as shown on drawing K100 at the end of these instructions. Some facilities prefer the bowl be mounted lower to accommodate some reclining wheelchairs. The galvanized lift panel on the unit has pre-fabricated locations to mount the bowl 2" lower, at installation the backsplash panel needs additional holes drilled to accommodate the lower bowl mounting. LOW mounting provides a floor to rim height of 32" and a neck rest height of 29".





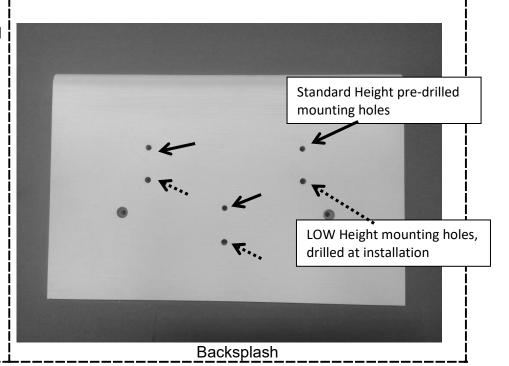
Standard Height mounting holes for 3000W bowls

LOW Height mounting holes for 3000W bowls are pre-fabricated in the lift panel.

Galvanized lift panel - raised position

Measure 2" lower than the existing holes in the back splash panel and drill,

Or, mount the panel to the lift and use the galvanized lift panel as a template and start the holes from the back side.



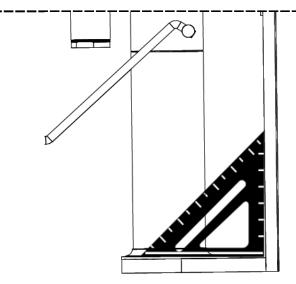
STEP 2: WALL MOUNTING PANEL INSTALLATION

2A. Install the treadle to the hydraulic pump and secure with set screws. 2B. Install the Lift Backsplash using two 5/16 x 1-1/2" flat head bolts with lock washers and nuts. IF your shampoo bowl is supplied with a separate Sink Mounting Bracket, install it next with three 1/4 x 1-1/2" bolts. Lock washers and nuts go on the backside of the Lift Panel. **2C.** Locate blocking or studs in the wall, or accessible cabinet mounting locations. Drill the back panel as needed. Using 1/4" or 5/16" hardware, secure the lift unit to the wall or cabinet.

2D.

Once the Wall Mounting Panel is positively secured to the wall, check that the floor plate is perpendicular to the panel.

IF the pump floor plate is beyond 90 degrees from the back panel, it can be raised by installing set screws in the next step.

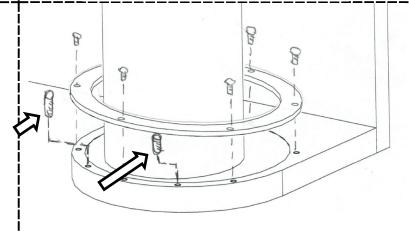


2E. Remove the six screws from the pump base ring but do not discard.

Install the two 10-24 set screws in the hardware kit and tighten until the floor plate comes up to perpendicular to the mounting panel.

When adjusted, reinstall ring and six screws.

Apply a bead of silicone-based caulking (not supplied) all around the base of the Lift Plate at the floor to keep water and other grime from collecting underneath.

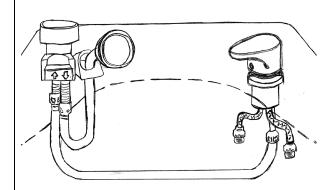


STEP 3: FINISH PLUMBING

3A. Finish the supply water line installation. For both the Hot and Cold, use 1/2" x 3/8" (copper tube OD x ID) 90-degree Angle Compression Water Supply Shutoffs and Trim Bezels. (Not Supplied)

3B. Shampoo Bowl: Install the faucet, spray hose and all related pieces to the shampoo bowl per the instructions provided from the manufacturer.

NOTE: Be sure to use the Mainline MLL7Strainer Basket (2-1/2" overall ht.) provided with the Adjust-a-Sink, taller baskets are not compatible. Use plumber's putty when installing the basket strainer.



Typical fixture configuration

3C. Mount the shampoo bowl to the backsplash, (on the Sink Mounting Bracket, if provided.) If your sink bracket has a leveling screw, adjust it to level the sink to the Lift Backsplash, properly secure it by tightening the nut under each side of the bowl.

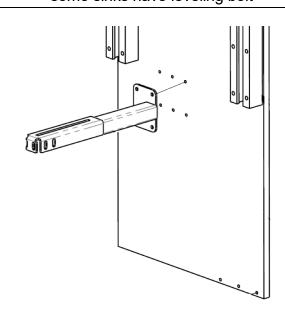


some sinks have leveling bolt

3D. Pump the hydraulic lift & elevate the shampoo bowl to its highest position.

Mount the Drain Pipe Support Bracket assembly onto the laminated mounting panel using the four 5/16" x 3/4" bolts provided. Make sure the two adjustment bolts on the Drain Bracket & the hose clamp are loose enough to make adjustments.

There are two positions to install the Drain Pipe Support Bracket that comes with your sink kit as follows:

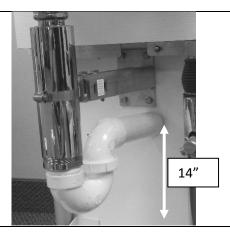


If your waste rough in is **14-3/8**" **or lower**:

- This is the "Low Drain" configuration
- Mount the Drain Pipe Support Bracket in the right-most four holes on the wall mounting panel.
- Install the telescoping drain and hose clamp on the END of the bracket.

If the waste is **between 14-1/2**" and 19":

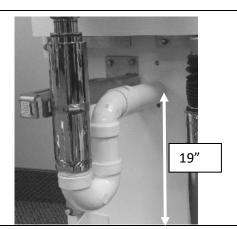
- This is the "High Drain" configuration
- Mount the Drain Pipe Support Bracket in the left-most four holes in the mounting panel.
- Install the telescoping drain and hose clamp to the SIDE of the bracket.
- Likely need to fabricate a deep trap

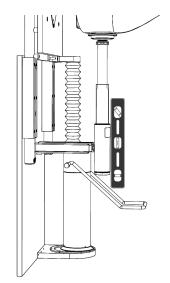


3E. With the shampoo bowl still at its highest position extend the Telescoping drain to the basket strainer.

Connect the slip joint nut to the basket strainer; use a rubber tailpiece gasket at the joint.

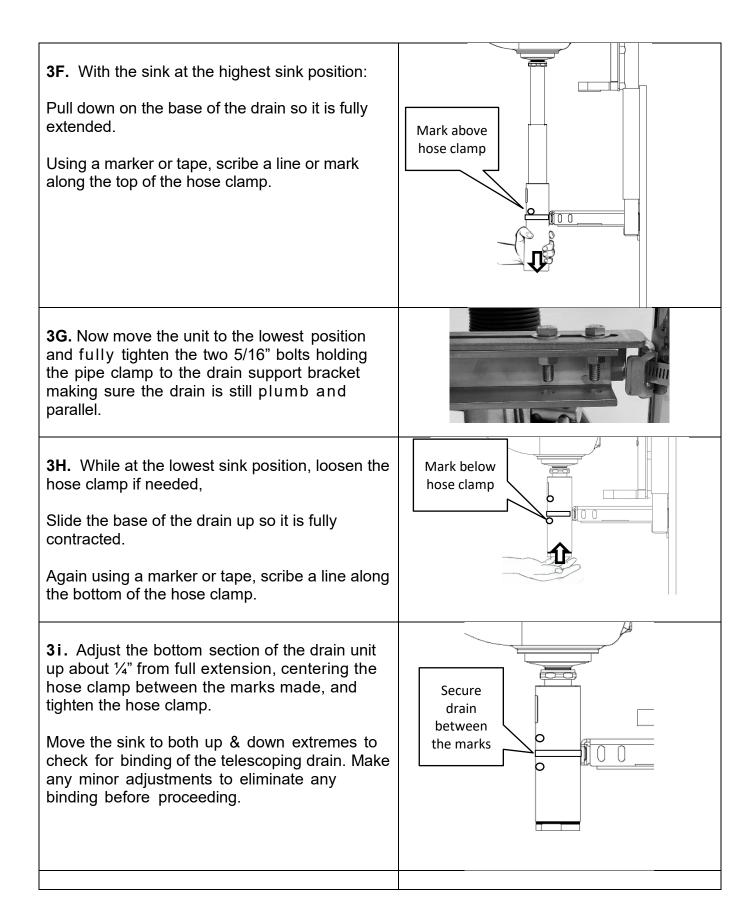
Adjust the Drain Pipe Support Bracket so that the Telescoping Drain unit is plumb to the floor and *hand tighten* the 5/16" adjusting bolts on the bracket.





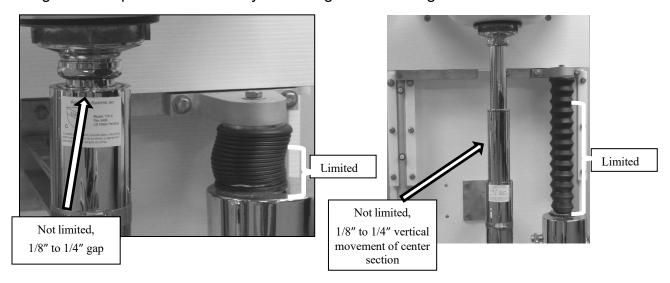
adjust bracket so drain is plumb

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.



3J. 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** connecting it to the building drain.
- It is important that the lift system reaches its limits <u>prior</u> 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 <u>prior</u> the drain limiting out

Note: The lift system limits out <u>prior to</u> to the drain limiting out and the drain is <u>perpendicular</u> to the floor

Now ensure that all parts are tightened securely. Care should be used to ensure you
do NOT cause strain or binding on the vertical 3-Stage Telescoping Drain Assembly.

NOTE: Refer to pictures on page 14 for drain positioning and orientation. Do not construct your P-Trap until the drain is positioned properly and functions properly – as a REFERENCE dimension, the distance from the bottom of the telescoping drain to the floor should be approximately 14" when using the Comfort Fit 3050 bowl in the standard bowl mounting position.

<u>IMPORTANT</u>: Do not trim or alter or attempt to disassemble the Telescopic Drain in any way. All components that make up the Telescopic Drain Pipe Subassembly are integrated and work together. Altering its design or removing the lubricant will cause premature if not total failure of the telescopic drain mechanism and VOID the warranty.

3K. Dry fit the bottom of the Drain Pipe Subassembly to the wastewater drain pipe using a UPC approved P-Trap or a hair trap (not supplied). 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 and know the telescoping drain does not bind.**



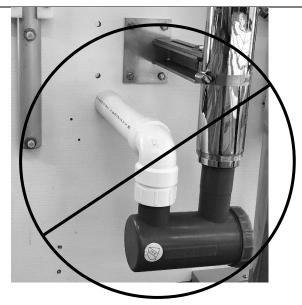
P-Trap typical installation



1701 Hair Trap typical installation



Cast Iron Hair Trap typical installation



Don't install traps or interceptors sideways

– the shroud won't fit!



Install trap straight back and use elbows close to panel for any off center rough-in

Test fit the shroud

3N. 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 prior to shipment—they should not leak if installed properly.

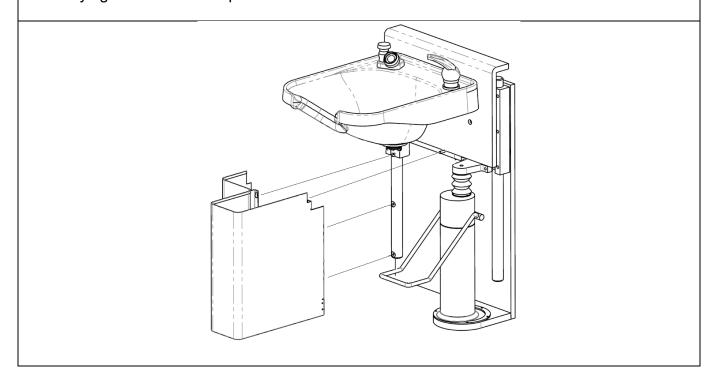
STEP 4. SHROUD INSTALLATION

4. Lower the unit to the lowest position.

Loosen the three nylon cap screws on the left lift shaft enough to attach the shroud keyhole slots.

Remove the nylon nut below the sink, attach the shroud to the single stud and replace the nut and hand tighten.

Securely tighten the three cap screws with an Allen wrench.



TROUBLESHOOTING:

Problem: The sink raises but won't go down.

The hydraulic lift is capable of lifting hundreds of pounds but relies on gravity to lower the sink system. Binding or interference can stop the sink from dropping.

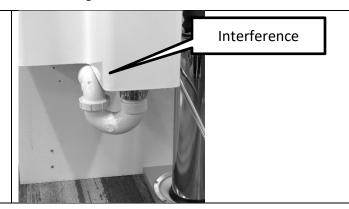
The system may drop very slowly without the bowl and shroud installed since there will be less weight on the pump. *Retry when fully assembled.*

The hydraulic pump is meant to operate at room temperature, if the pump has been in a cold environment, the fluid might be stiff. *Let it warm to 70 degrees F.*

The front shroud may be catching on the trap.

Remove the shroud and retest.

Replumb the trap if it interferes.



The telescoping drain may not be plumb and is binding. Disconnect the top section from the sink basket and verify alignment.



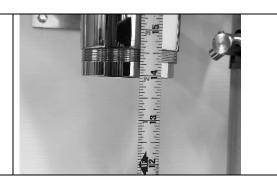




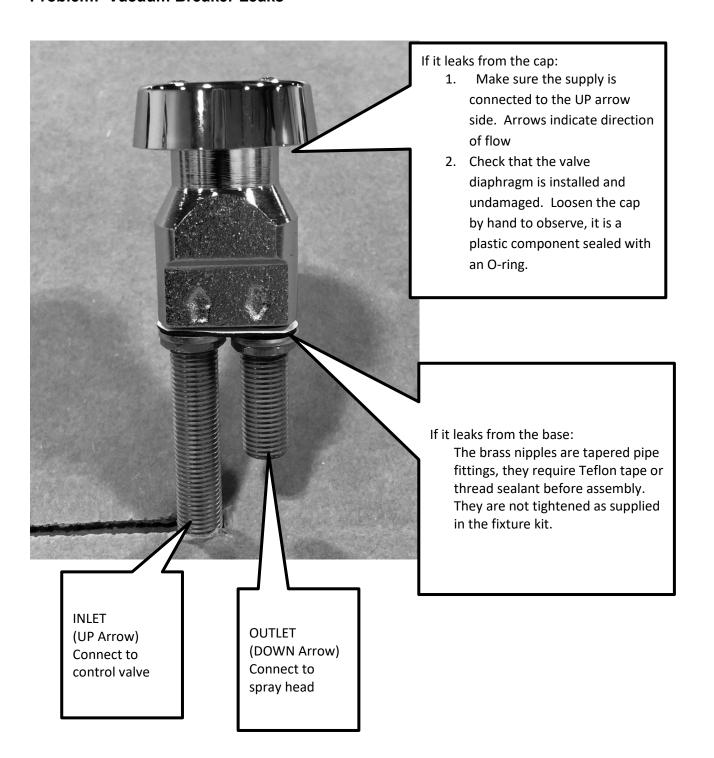


The telescoping drain may be mounted too high. The bottom of the drain should be about 13.5" to 14.0" above the floor.

Adjust the drain for full movement of the sink, reconstruct the trap.



Problem: Vacuum Breaker Leaks

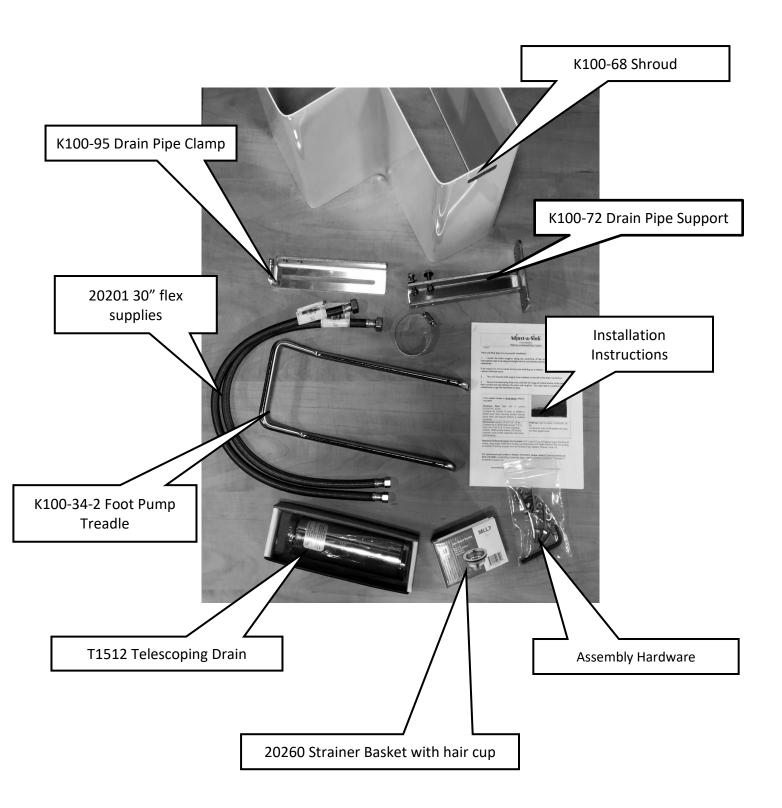


Contents of packaging

Large K100 Box:



Shroud Box:





K100 SERIES MAINTENANCE FOR THE K-100 Adjust-A-Sink®

2022

BASIC FEATURES: The Adjust-a-Sink® System elevates the Shampoo Bowl a total of 12". Distance from the floor to the top the of bowl ranges from approximately 34" to 46". A self-contained, maintenance free foot-operated hydraulic lift provides the lift capacity needed to raise the shampoo bowl. The hydraulic lift's foot pedal is free to rotate approximately 90 degrees to the side anytime the operator requires. Components are manufactured from the highest-grade materials and should provide years of trouble-free service.

IMPORTANT: IT IS VERY IMPORTANT TO HAVE THE "ADJUST-A-SINK"® INSTALLED CORRECTLY AND THE PLUMBING ALIGNED PERFECTLY. NOT DOING SO COULD RESULT IN UNDUE PRESSURE AND BINDING ON VARIOUS COMPONENT PARTS AND COULD ALSO CAUSE THE PLUMBING TO LEAK.

Pump Lubrication: When the sink will not be in use for a period of time, or overnight, lower the sink to its lowest position. This allows the pump shaft to stay lubricated in the hydraulic fluid. This will prevent corrosion and extend the life and smooth operation of the pump.

Drain Lubrication: The 3-Stage Drain is pre-lubricated with tested and approved lubricant. When extended, the exposed inner sections will be coated with a film of lubricant, do not apply cleaners to remove it. If additional lubrication is required, use a silicone based valve lubricant.

NOTE: We recommend that you raise and lower the sink at least once daily to ensure proper lubrication all of critical components.

Cleaning: after use or at the end of the day, wipe the shroud and pump with a clean damp cloth, mild cleaning solution or a stainless steel spray cleaner. This will keep your unit looking new. The shampoo sink should be cleaned on a <u>regular basis</u> as well, using a non-abrasive cleaner. For those units equipped with a **Hair Interceptor**, we recommend that you open and clean it out every six months or sooner if sink use warrants.

IMPORTANT: It is important to keep the nylon pump base clean as well. The pump is designed to swivel, if it is not kept clean, it will eventually become hard to swivel the pump in the base.

WITH PROPER CARE AND GOOD CLEANING, THE "ADJUST-A-SINK" WILL PROVIDE MANY YEARS OF SERVICE TO BOTH YOU AND YOUR CLIENTS.





TWO YEAR LIMITED WARRANTY

Adjust-a-Sink K100 Series products from Accessible Systems, Inc. have been manufactured under the highest standards of quality and workmanship. Accessible Systems, Inc. warrants to the original enduser purchaser this product to be free from defects in material and workmanship during normal use for two (2) years from date of purchase, plus an additional three (3) years on the hydraulic foot pump. A replacement for any defective part will be supplied for installation by you. Defects or damage caused by the use of other than genuine Adjust-a-Sink parts are not covered by this warranty. This warranty shall be effective from the date of purchase shown on the purchaser's receipt.

This warranty is valid for the original purchaser only and excludes product damage due to installation error, product abuse, or product misuse, whether performed by a contractor, service company, or end user. Accessible Systems, Inc. will not be responsible for labor charges, and/or damage incurred in installation, repair or replacement, nor for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation.

This warranty is void if this product is installed incorrectly or in an improper environment, overloaded, misused, abused, or altered in any manner, or not used under normal operating conditions or not in accordance with accompanying or relevant instructions, packaging or labels.

Accessible Systems, Inc. will advise you of the procedure to follow in making warranty claims. Contact technical support at 612-238-4600 or visit www.adjustasink.com for assistance diagnosing the problem. Product serial numbers and proof of purchase date are required.

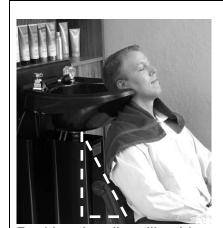


K100 Series

OPERATION OF THE ADJUST-A-SINK®

We suggest that stylists "be creative" in adjusting the sink to fit their clients, as each person is unique in their body type. The Adjust-A-Sink can be adjusted to improve the shampoo experience for most everyone with a little thought and experimentation with height adjustments and head and body positions. Note that the foot pedal swivels to allow for stylist preference. The concept behind the adjustable height, Adjust-a-Sink® is to position the client in a manner that allows them to sit as upright as possible to allow their weight to be evenly distributed throughout the body so as to alleviate pressure on the neck and lower back.

- 1. Pump the Adjust-a-Sink® up higher than the client's neck and shoulders.
- 2. Position the client in the shampoo chair so the back of the chair and the neck of the shampoo bowl are aligned vertically. The client will usually prefer a more <u>upright</u> seating position. We suggest the use of an adjustable back shampoo chair if possible.
- 3. Lower the Adjust-a-Sink® to the client's comfort level the client's neck should fit snug and comfortable, without pressure, against the shampoo bowl.
- 4. For clients in a wheelchair, use the same method noted above and ensures the bowl is up high enough to clear the wheelchair's handles and back.
- 5. Ensure the client's head is tilted so their forehead is over the bowl. You may need to lower the bowl slightly, and or further recline the client to obtain this desired position. In this position, and with moderate water pressure, you should be able to provide for a comfortable and dry shampoo. Again, the Adjust-a-Sink® works best with the client sitting as upright as possible.



Position the client like this



Not like this



