

## HYB-1000-RET RETROFIT HYBRID URINAL

with Jetrinse™ Solution Technology  
INSTALLATION INSTRUCTIONS

### BEFORE STARTING INSTALLATION:

**IMPORTANT** Do not install on copper DWV due to copper's susceptibility to corrosion.

- ADA requires a lip height of 17" or lower. To allow for variances and assure compliance Sloan recommends roughing the drain line to achieve a 16-1/2" lip height.

- Check slope. Downhill slope, per code, is essential because waterfree urinals depend on gravity flow.
- Check DWV material. Suitable materials include cast iron, PVC, ABS and galvanized steel.
- Shut off water supply and remove flush valve and vacuum breakers.

### TUBE CUTTING CHART

- Measure drain nipple depth (inches) to find trim length (inches)
- 13 7/8" or more DO NOT CUT
- 3 3/4" or less DO NOT USE TUBE

OR LESS	TRIM	OR LESS	TRIM	OR LESS	TRIM
13 3/4"	1/4"	10 1/4"	3 3/4"	6 3/4"	7 1/4"
13 1/2"	1/2"	10	4	6 1/2"	7 1/2"
13 1/4"	3/4"	9 3/4"	4 1/4"	6 1/4"	7 3/4"
13	1"	9 1/2"	4 1/2"	6	8
12 3/4"	1 1/4"	9 1/4"	4 3/4"	5 3/4"	8 1/4"
12 1/2"	1 1/2"	9	5	5 1/2"	8 1/2"
12 1/4"	1 3/4"	8 3/4"	5 1/4"	5 1/4"	8 3/4"
12	2"	8 1/2"	5 1/2"	5	9
11 3/4"	2 1/4"	8 1/4"	5 3/4"	4 3/4"	9 1/4"
11 1/2"	2 1/2"	8	6	4 1/2"	9 1/2"
11 1/4"	2 3/4"	7 3/4"	6 1/4"	4 1/4"	9 3/4"
11	3"	7 1/2"	6 1/2"	4	10
10 3/4"	3 1/4"	7 1/4"	6 3/4"		
10 1/2"	3 1/2"	7	7		

### CUSTOMER CARE

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**CAUTION** After removing any urinal from the drain line, it's normal for certain naturally occurring, but potentially hazardous sewer gases to escape through the opening until the waterless cartridge is installed properly into the waterless urinal. If you need to leave an open drain line unattended after removing the urinal from the wall, temporarily wedge paper towels or a rag into the drain hole to reduce any outflow of sewer gases, and remove the paper towels or rag prior to completing the urinal or cartridge installation. **Never smoke, have an open flame, or place your nose or mouth near open drain lines or waterless urinal housings into which a cartridge is not yet properly installed.** You also can wear a breathing mask when removing or installing any waterless urinal or cartridge to reduce potential exposure to any such gases.

**1**

**Confirm existing supply stop and drainline fall** within these ranges:  
**A.** 4 1/4" to 5 1/4"  
**B.** 28 1/2" to 35 1/2"  
**C.** 2 1/8" to 3"

**2**

**Use utility knife to cut caulk** then use a putty knife and mallet to remove the bowl. Remove hanger brackets, scrape off caulk, and clean the wall. Ensure the threads on the control stop are brushed clean.

**3**

**2" side cutter blade**

**IMPORTANT:** Use a drain machine to remove build-up inside pipes. Clean up to 25 feet deep then flush with water to remove cutting debris. **Never install on copper DWV.**

**4**

**A. Clean Face** of drain nipple.  
**B. Install the clear inspection disc** with the compression nut.  
**C. Slowly pour water** into the drain.  
**D. Use a flashlight to check the pitch/slope** no water should be present in the inspection disc or nipple.  
**E. Remove disc and nut** after inspection.

**5**

**Adjust drain to achieve pitch** only if standing water is present (code requires 1/4" drop per foot of drain line for proper pitch). Seal wall according to code. **IMPORTANT** Nipple must not extend more than 3/4" past finished wall.

**6**

**Measure and mark the rough-in** if in-wall carrier is not used. Use a 5/16" masonry bit to drill hole, then install the hanger bracket with one plastic anchor and screw. Level the bracket then mark, drill and install two additional plastic anchors and screws.

**7**

**A. Hang bowl on the bracket** and check tail pipe alignment, then remove the bowl and adjust the bracket as needed. Re-hang and re-check bowl alignment with the drain line. Tail pipe should align with center of drain line. **B. Mark anchor holes** then remove bowl without moving hanger bracket.

**8**

**Determine the drain nipple length** by measuring the distance between the back of the sanitary tee (or elbow) the front edge of the nipple.

**9**

**A. Find the drain nipple depth** on the Tube Cutting Chart (left). **Measure and mark the specified trim length** on the insert tube at the nearest 1/4" groove.

**9**

**B. Cut the tube** at the groove using a sharp utility knife to ensure a square, flat cut.  
**C. Clean burrs** from the cut end by using emery paper.

**10**

**D. Apply lubricant** to the outside of the rubber bushing and ribbed inside area.  
**E. Insert tube and bushing:** **IMPORTANT** Be sure arrow tab is at the 12:00 position and lip seats against flange.

**11**

**Place the seal into the flange** with ribs facing out. Install the flange with washers and hex nuts, but do not over tighten.

**11**

**Drill holes** from step 7B with 5/16" masonry bit for the lower anchor screws and insert plastic anchors. Install hose clamp with screw at bottom, but do not tighten.

**12**

With urinal on the floor, insert rubber grommet into the hole located at the top of the urinal. Be sure the larger diameter side is facing up and fully seated.

**13**

**Slide coupling nut** with threads facing up and escutcheon plate onto supply assembly as shown, then push threaded end through grommet so end is accessible from backside of urinal. **NOTE** Use soap or excess lubricant from step 9D to ease insertion.

**14**

**A. Securely connect** the female end of the loose braided hose to the end of the supply assembly. **B. Connect** the male end to the braided hose on the Hybrid Jetrinse assembly on the urinal. **NOTE** Ensure that these connections are tight and leak-free.

**15**

**Hang the bowl** inserting tailpipe into bushing, and tighten hose clamp. Install 2 lower anchor screws with washers.

**16**

Rotate and raise the supply assembly and insert into supply stop. Tighten coupling nut securely. Do **NOT** turn on water yet.

**17**

**Connect battery A to wire B.** After 1 minute turn on water at supply stop and confirm there are no connection leaks.

**18**

**Wave hand under IR switch** to activate test rinse and ensure there is no standing water in housing. System will operate automatically every 72 hours from battery activation. **NOTE** System will pause for 2 minutes after 2 manual rinse activations.

**19**

**Caulk the bowl** to the wall if there is good flow and no leaks or standing water in housing.

**20**

**Install cartridge** per the cartridge instruction sheet.