

WES-1000 WATERFREE URINAL

NEW CONSTRUCTION INSTALLATION INSTRUCTIONS BEFORE STARTING INSTALLATION

IMPORTANT-Do not install on copper DWV due to copper's

- 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
- Check DWV material. Suitable materials include cast iron, PVC, ABS, and galvanized steel
- Shut off water supply and cap the nipple with the 34" chrome cap (provided).

TUBE CUTTING CHART

- Measure drain nipple depth (in) to find trim length (in)
- 13 % " or more **DO NOT CUT**
- 3 ¾" or less DO NOT USE TUBE

0 74 01 1000 DO 1101 COL 10DL							
OR LESS	TRIM		OR LESS	TRIM		OR LESS	TRIM
13 3/4"	1/4"	П	10 1/4"	3 3/4"	П	6 3/4"	7 1/4"
13 ½	1/2	П	10	4	П	6 ½	7 1/2
13 1/4	3/4	П	9 3/4	4 1/4	П	6 1/4	7 3/4
13	1	П	9 1/2	4 1/2	П	6	8
12 3/4	11/4	П	9 1/4	4 3/4	П	5 3/4	8 1/4
12 ½	11/2	П	9	5	П	5 ½	8 1/2
12 1/4	13/4	П	8 ¾"	5 1/4	П	5 1/4	8 3/4
12	2	П	8 ½	5 1/2	П	5	9
11 3/4	21/4	П	8 1/4	5 3/4	П	4 3/4	9 1/4
11 ½	21/2	П	8	6	П	4 1/2	9 1/2
11 1/4	23/4	П	7 3/4	6 1/4	П	4 1/4	9 3/4
11	3		7 1/2	6 1/2		4	10
10 3/4	3 1/4	П	7 1/4	6 3/4	П		
10 ½	3 1/2		7	7			

CUSTOMER SERVICE

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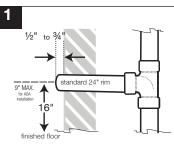


CAUTION After removing any urinal from the drain line, it's normal for certain naturally occurring but potentially hazardous sewer gases to escape through the opening until the waterless cartridge is installed properly into the waterless urinal. If you need to leave an open drain line unattended after removing the urinal from the wall, temporarily wedge paper towels or a

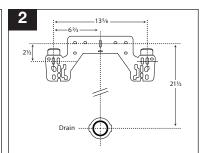
rag into the drain hole to reduce any outflow of sewer gases, and remove the paper towels or rag prior to completing the urinal or cartridge installation. Never smoke, have an open flame, or place your nose or mouth near open drain lines or waterless urinal housings into which a cartridge is not yet 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.

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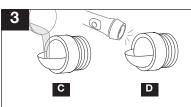
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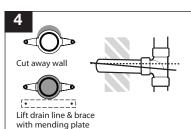
SET DRAIN LINE HEIGHT 16" from finished floor (standard 24" rim) or 9" maximum for ADA installation. Threaded nipple should extend 1/2 to 34" from wall.



CARRIER STUD PLACEMENT If using in-wall carrier, set bearing rods as shown ahove



- A. Clean face of existing wall flange
- B. Install the brass flange with the clear inspection disc.
- C. Slowly pour water into the drain.
- D. Use a flashlight to check the pitch/ **slope**. There should be no water present in the inspection disc or nipple.
- E. Remove flange after inspection.

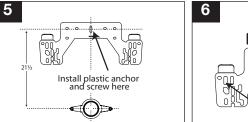


ADJUST DRAIN TO ACHIEVE PITCH if

CORRECT

Centered

standing water is present (code requires 1/4" drop per foot of drain line for proper pitch). Seal wall according to code.



MEASURE & 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.

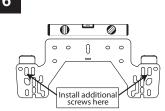
DETERMINE THE DRAIN NIPPLE DEPTH by

measuring the distance between the back of

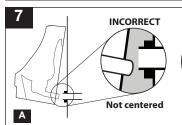
the sanitary tee (or elbow) to the front edge of

8

the nipple

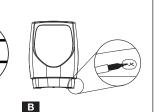


LEVEL THE BRACKET THEN MARK, drill and install two additional plastic anchors and screws. If pre-existing bearing rods can be used, screws are not necessary.



A. Hang the 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.

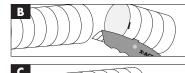


B. Mark anchor holes then remove bowl without moving hanger bracket.

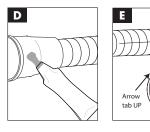
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A. Find the drain nipple depth on the Tube Cutting Chart (left). Measure and mark the specified trim length on the insert tube at the

nearest 1/4" groove.



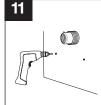
- B. Cut the tube at the groove using a sharp utility knife to ensure a square, flat cut.
- C. Clean burrs from the cut end by using emery



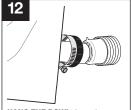
- D. Apply lubricant to the outside of the rubber bushing and ribbed inside area.
- F. Insert the tube and bushing with arrow tab at the top. Apply lubricant to tailpipe of housing.



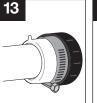
and compression nut onto the housing tailpipe.



DRILL HOLES with 5/16" masonry bit for the lower anchor screws and insert plastic anchors.



HANG THE BOWL, inserting tailpipe into bushing, then install anchor screws with washers. **TIGHTEN FLANGE BOLTS.**



TIGHTEN COMPRESSION **NUT AND GEAR** CLAMP.



to ensure good flow and no leaks or standing water.



CAULK THE BOWL TO THE WALL.



CARTRIDGE per the cartridge instruction sheet.

PLACE THE GEAR CLAMP



WES-1000 WATERFREE URINAL

RETRO-FIT 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.

€heck rough-in height to achieve 24" rim height (17" rim height for ADA).

€heck slope. Downhill slope, per code, is essential because of waterfree urinals depend on gravity flow.

Check DWV material. Suitable materials include cast iron, PVC, ABS, and galvanized steel. Shut off water supply and cap the nipple with the 3/4" chrome cap (provided).

TUBE CUTTING CHART

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

CUSTOMER SERVICE

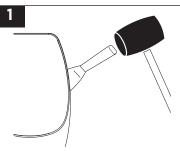
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CAUTION After removing any urinal from the drain line, it's normal for certain naturally occurring but potentially hazardous sewer gases to escape through the opening until the waterless cartridge is installed properly into the waterless urinal. If 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.

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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.

Install plastic anchor

MEASURE & MARK THE ROUGH-IN If in-wall

carrier is not used. Use a 5/16" masonry bit to

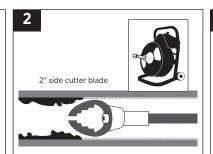
drill hole, then install the hanger bracket with

one plastic anchor and screw

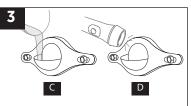
and screw here

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8



IMPORTANT: Use a drain machine to remove build-up inside pipes. Clean up to 25 feet deep then finish with water to remove cutting debris.

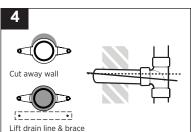


A. Clean face of existing wall flange. B. Install the brass flange with the clean inspection disc.

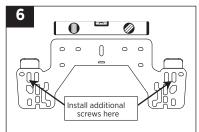
C. Slowly pour water into the drain.

D. Use a flashlight to check the pitch/slope. There should be no water present in the inspection disc or nipple.

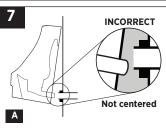
E. Remove flange after inspection.



ADJUST DRAIN TO ACHIEVE PITCH If standing water is present (code requires 1/4" drop per foot of drain line for proper pitch). Seal wall according to code.

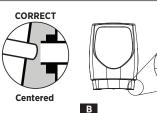


LEVEL THE BRACKET THEN MARK, drill and install two additional plastic anchors and screws. If pre-existing bearing rods can be used, screws are not necessary.



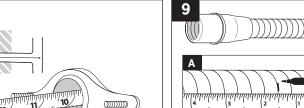
A. Hang the bowl on the bracket and check tall pipe alignment, then remove the bowl and adjust the bracket as needed.

Re-hang and re-check bowl alignment with drain line. Tail pipe should align with center or drain line.

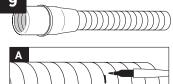


with mending plate

B. Mark anchor holes then remove bowl without moving hanger bracket.

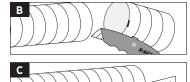


DETERMINE THE DRAIN NIPPLE DEPTH by measuring the distance between the back of the sanitary tee (or elbow) to the front edge of the elagin.

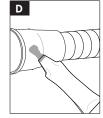


A. Find the drain nipple depth on the Tube Cutting Chart (left).

Measure and mark the specified trim length on the insert tube at the nearest 1/4" groove.

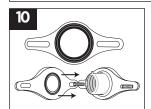


B. Cut the tube at the groove using a sharp utility knife to ensure a square, flat cut. C. Clean burrs from the cut end by using emery



D. Apply lubricant to the outside of the rubber brushing and ribbed inside area.

E. Insert the tube and brushing with arrow tab at the top. Apply lubricant to tailpipe of housing.



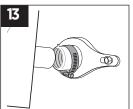
PLACE THE SEAL INTO THE FLANGE with the ribs facing out. Install the flange with washers and hex nuts, but do not tighten completely.



INSTALL THE GEAR **CLAMP** with screw head at bottom. but do not tighten



DRILL HOLES with 5/16" masonry bit for the lower anchor screws and insert plastic anchors.



paper

HANG THE BOWL inserting tailpipe into brushing, then install anchor screws with washers. TIGHTEN FLANGE BOLTS.



flow and no leaks or standing water.



CAULK THE BOWL TO THE WALL.



INSTALL THE CARTRIDGE per the cartridge instruction sheet.