

WATERFREE URINAL

#### **BEFORE STARTING INSTALLATION**

- •Check rough-in height to achieve 24" rim height (17" rim height for ADA).
- Check slope. Downhill slope, per code, is essential because waterfree urinals require gravity flow for drainage.
- Check DWV material. Suitable materials include cast iron, PVC, ABS, and galvanized steel.
- Never install on copper DWV due to copper's susceptibility to corrosion
- Shut off water supply and cap the nipple with the <sup>3</sup>/<sub>4</sub>" chrome cap (provided).

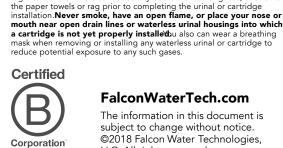
### **TUBE CUTTING CHART**

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

12 ½ <b>1</b>	<b>10</b> ½	4 3 1/4 4 4 4 3/4 4 1/2 4 1/4 5	OR LESS 6 3/4" 6 1/2 6 1/4 6 5 3/4 5 1/2 5 1/4	TRIM 7 3/4" 7 1/2 7 1/4 8 3/4 8 3/4 8 1/2 8 1/4
11 1/2 2   11 1/4 2   11 3 3   10 3/4 3	8 ½   8 ½   8 ½   8 ½   7 ¾   7 ½   3¼ 7   ½ 7   ½ 7   ½ 7	5 1/2 5 1/4 6 3/4 6 1/2 6 1/4 7	5 4 <sup>3</sup> ⁄ <sub>4</sub> 4 <sup>1</sup> ⁄ <sub>2</sub> 4 <sup>1</sup> ⁄ <sub>4</sub> 4	9 9 <sup>3</sup> / <sub>4</sub> 9 <sup>1</sup> / <sub>2</sub> 9 <sup>1</sup> / <sub>4</sub> 10

# **CUSTOMER CARE**

310-209-7250 info@falconwatertech.com



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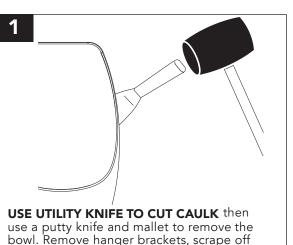
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CAUTION After removing any urinal from the drain line, it's normal for certain naturally occurring but **potentially hazardous sewer gases** escape

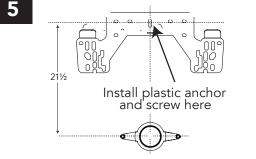
through the opening until the waterless cartridge is installed properly into the waterless urinal. If you

need to leave an open drain line unattended after

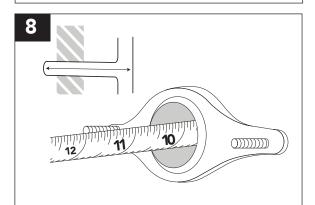
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caulk, and clean the wall.

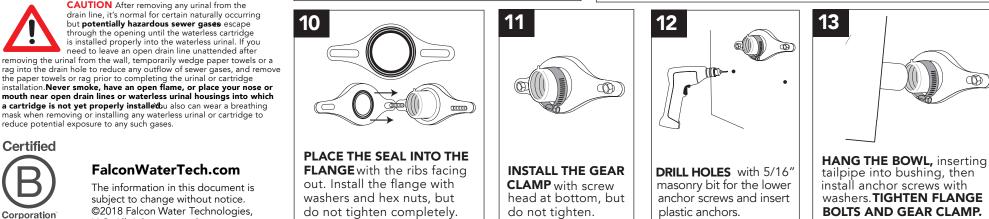


MEASURE & MARK THE ROUGH-IN is in-wall carrier is not used. Use a 5/16" masonry bit to drill hole, then install the hanger bracket with one plastic anchor and screw.



# **DETERMINE THE DRAIN NIPPLE DEPTH**

by measuring the distance between the back of the sanitary tee (or elbow) to the front edge of the nipple.



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not necessary.

9

2" side cutter blade

**IMPORTANT:** Use a drain machine to remove

build-up inside pipes. Clean up to 25 feet deep

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Install additional

screws here

two additional plastic anchors and screws. If pre-

existing bearing rods can be used, screws are

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then flush with water to remove cutting debris.

Never install on copper DWV.

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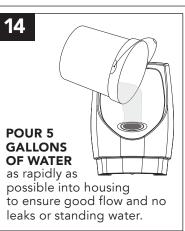
3 D) С A.Clean face of existing wall flange. B. Install the brass flange with the clear inspection disc. C.Slowly pour water into the drain. D. Use a flashlight to check the pitch/slope No water should be present in the inspection disc or nipple. E.Remove flange after inspection. 7 Α LEVEL THE BRACKET THEN MARK, drill and install 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. С

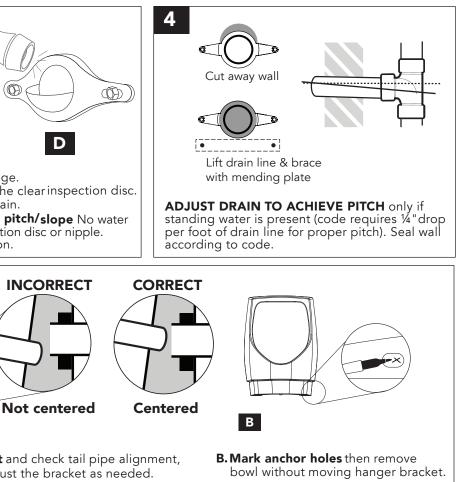
A. Find the drain nipple depth on the Tube Cutting Chart (left). Measure and mark the specified trim length on the insert tube at the nearest 1/4" groove.

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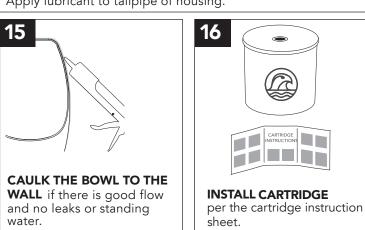
**B.Cut the tube** at the groove using a sharp utility knife to ensure a square, flat cut. **C.Clean burrs** from the cut end by using emery paper.





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





## **NEW CONSTRUCTION INSTALLATION** WATERFREE URINAL

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- Check DWV material. Suitable materials include cast iron, PVC, ABS, and galvanized steel.
- Never install on copper DWV due to copper's susceptibility to corrosion
- Shut off water supply and cap the nipple with the <sup>3</sup>/<sub>4</sub>" chrome cap (provided).

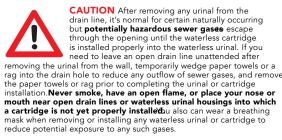
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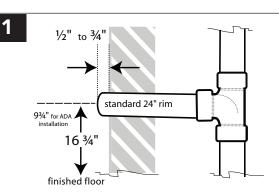




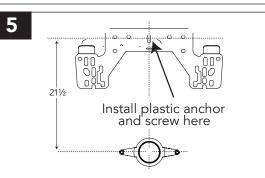


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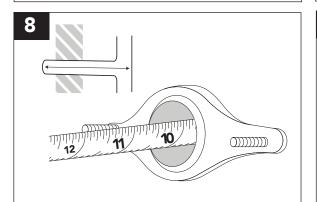
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SET DRAIN LINE HEIGHT 16 34" from finished floor (standard 24" rim) or 9¾" for ADA installation. Threaded nipple should extend ½ to ¾" from wall.



MEASURE & MARK THE ROUGH-IN is 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

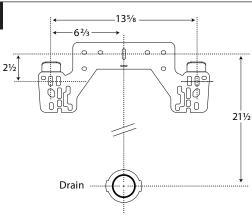
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the housing tailpipe.

by measuring the distance between the back of the sanitary tee (or elbow) to the front edge of the nipple.



masonry bit for the lower anchor screws and insert plastic anchors.



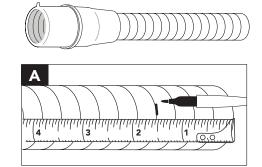
CARRIER STUD PLACEMENT If using in-wall carrier, set bearing rods as shown above.

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



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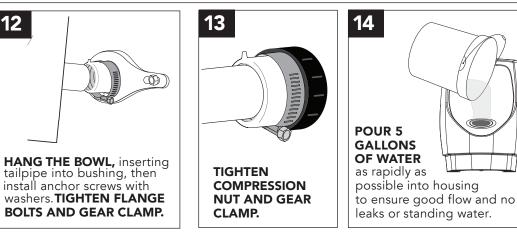
- С **B.Cut the tube** at the groove using a sharp utility knife to ensure a square, flat cut.
- A. Find the drain nipple depth on the Tube Cutting Chart (left). Measure and mark the specified trim length on the insert tube at the nearest 1/4" groove.

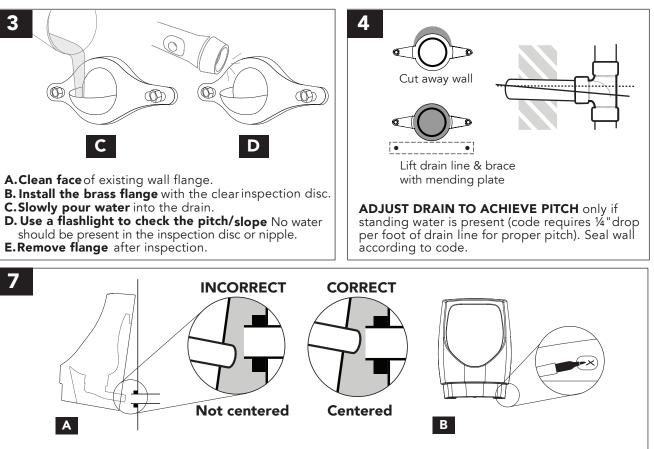
tailpipe into bushing, then

install anchor screws with

12

**C.Clean burrs** from the cut end by using emery paper.

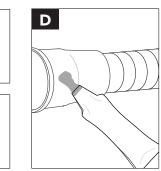


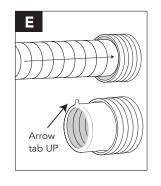


**A. Hang the bowl on the bracket** and check tail pipe alignment, then remove the bowl and adjust the bracket as needed. **Re-hang and re-check bowl** alignment with the drain line. Tail pipe should align with center of drain line.

and compression nut onto

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





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



