

## F5000/FREESIA **NEW CONSTRUCTION**

**INSTALLATION** 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.

## **TUBE CUTTING CHART**

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

OR LESS	TRIM	OR LESS	TRIM	OR LESS	TRIM
13 3/4"	1⁄4"	10 1⁄4"	<b>3</b> ¾"	6 3⁄4"	71⁄4"
13 1/2	1⁄2	10	4	6 1/2	7 1⁄2
13 1⁄4	3⁄4	9 3⁄4	<b>4</b> ¼	6 1⁄4	<b>7</b> ¾
13	1	9½	<b>4</b> ½	6	8
12 3⁄4	1¼	9 1⁄4	<b>4</b> ¾	5 ¾	<b>8</b> ¼
12 ½	11/2	9	5	5 1/2	<b>8</b> ½
12 1⁄4	1¾	8 ¾"	5 ¼	5 1⁄4	<b>8</b> ¾
12	2	8 1⁄2	5 ½	5	9
11 3⁄4	2¼	8 1⁄4	5 ¾	4 3⁄4	<b>9</b> ¼
11 1/2	21/2	8	6	4 1⁄2	<b>9</b> ½
11 1⁄4	<b>2</b> ¾	7 3⁄4	<b>6</b> ¼	4 1⁄4	<b>9</b> ¾
11	3	7 1⁄2	<b>6</b> ½	4	10
10 3⁄4	3 1⁄4	7 1⁄4	<b>6</b> ¾		
10 ½	3 1⁄2	7	7		

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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

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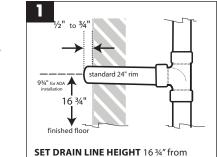
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rag into the drain hole to reduce any outflow of sewer gases, and remove the paper towels or rag prior to completing the urinal or cartridge installation. Never smoke, have an open flame, or place your nose or mouth near open drain lines or waterless 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.





finished floor (standard 24" rim) or 93/4" for ADA installation. Threaded nipple should extend 1/2 to 3/4 from wall.

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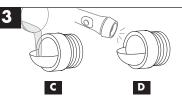
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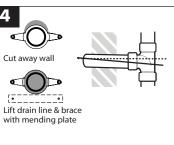
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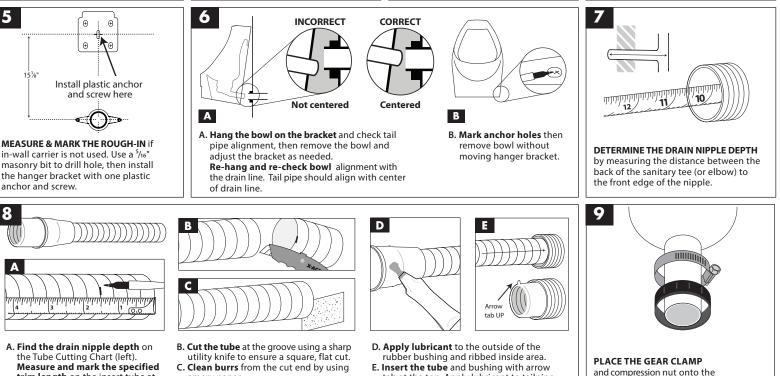
**CARRIER STUD PLACEMENT** If using in-wall carrier, set bearing rods as shown above.



- 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.



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.



Measure and mark the specified trim length on the insert tube at the nearest ¼" groove.

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Install two additional scre

DRILL HOLES with 5/16" masonry

bit for the lower anchor screws

and insert plastic anchors.

11

HANG THE BOWL, inserting tailpipe

into bushing, then install anchor

screws with washers. TIGHTEN

FLANGE BOLTS.

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

12

TIGHTEN COMPRESSION

NUT AND GEAR CLAMP.

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





housing tailpipe.

and no leaks or

standing water.

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INSTALL there is good flow CARTRIDGE per the cartridge instruction sheet.