

# INSTALLATION INSTRUCTIONS WALL HUNG URINALS



Thank you for selecting the Crane Plumbing wall hung urinal. To insure this product is installed properly, please read these instructions carefully before you begin. This high quality, vitreous china fixture is meant to provide many years of service, but can be damaged by improper handling and/or installation. Be sure your installation conforms to local codes.

## PRE INSTALLATION

Unpack the urinal. Take a moment to check the fixture to make sure there is no damage. Verify that you have all the necessary tools, fittings, and connection hardware to complete the installation.

## INSTALLATION

- 1 A urinal is heavy. Provide suitable structural support behind the finished wall for the lag screws.

The wall, or whatever material the screws are attached to, must be of sufficient strength to fully support the urinal.

The urinal is attached to the wall at the top with hangers that are screwed to the wall. The bottom is attached with lag screws through the holes in the slots in the china, through the holes in the outlet connection, into the finished wall.

It may be necessary to install a 2 x 6 boards behind the finished wall. Position the boards between two studs so the front surface of the board is flush with the front of the studs. The finished wall is then applied over the boards. (See Figure 1).

- 2 Refer to the chart at right, with Figure 2 to determine the placement of the outlet, hangers, and mounting screws. Rim height above the floor is typically 24" Maximum for standard installation, and 17" A.D.A.

Dimension "A" is the centerline location of the primary hanger mounting screws. Dimension "B" is the centerline of the hanger screws to the top of the rim. Dimension "C" is from the top of the rim, to the centerline of the outlet. Dimension "D" is the centerline location of the bottom mounting screws.

(Note that Models 4992 and 7121 only use one hanger on the centerline of the urinal.

- 3 Model 4992 has the outlet in the bottom and is supplied with an 1-1/2" bottom spud. Unit will require an external trapway supplied by others. Placement of waste line will be determined by the style of the trapway used.

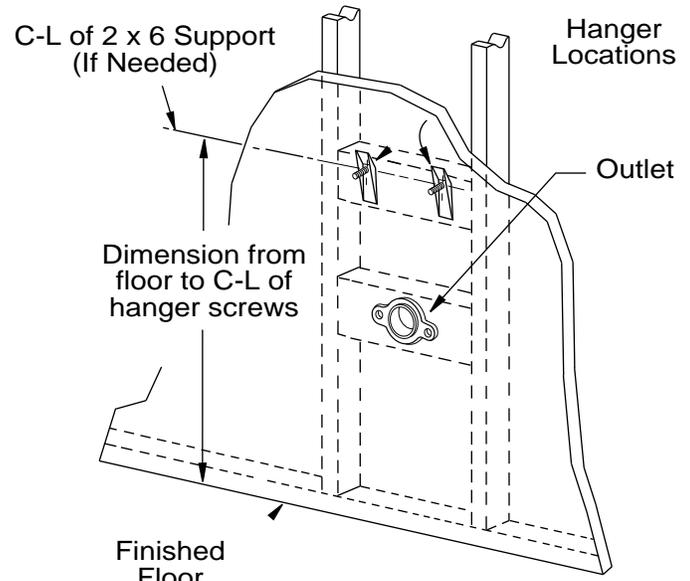


Figure 1

Model	A	B	C	D
4992	C/L	9-1/2"	5-1/2"	7"
7104	7" *	4-1/2"	2-1/2"	7"
7121	C/L	10"	4-5/8"	5-1/2"
7160	10"	11-1/8"	6-3/4"	5-1/2"
7161	10"	11-1/8"	6-3/4"	5-1/2"
7167	10"	15-5/8"	3-1/2"	5-1/2"
7168	10"	18-1/2"	6-3/4"	5-1/2"
7190	10"	15-3/8"	2-1/8"	5-1/2"
7192	10"	15-3/8"	2-1/8"	5-1/2"
7197	10"	15-5/8"	3-1/2"	5-1/2"
7198	10"	15-5/8"	3-1/2"	5-1/2"
7306	6"	8-3/4"	7"	5-1/2"
7307	6"	8-3/4"	7"	5-1/2"
7308	6"	8-3/4"	7"	5-1/2"
7309	6"	8-3/4"	7"	5-1/2"

\* No Hanger Used - Attach with Lag Screws

4 Put the hangers in place and secure with screws. Check to see that the hangers are level, and properly spaced apart for the fixture you are installing.

5 Install flanged outlet connecton onto waste pipe. See Detail - Outlet Connection.

6 Carefully place the urinal on the hangers. Align the fixture outlet with the outlet fitting in the wall. Fixture may be leveled or height adjusted by loosing hanger screws and adjusting as required.

Do Not overtighten the screws as this can crack the china.

7 Connect flush valve to top inlet spud provided. Most urinals are top inlet. Use flush valves with vacuum breaker, 1" angle screwdriver stop and flush connection. Suggested (1.0 gpf / 3.8 lpf flush valves are:

Sloan "Royal"	# 186-1
Delany "Flushboy"	# F451-1
Zurn "Aquaflush"	# Z-60003-WS1

Urinals that have back inlets will require flush valves specifically designed for that purpose. Provide for connections in the wall when using those urinals and fittings.

8 Connect and tighten the water supply fittings. Check supply and waste connections for leaks. Crane Plumbing is not responsible for leaking or loose connections.

9 This fixture is virtually maintenance free. Clean it with any non-abrasive household cleaner and a soft cloth. Avoid striking it with metal objects, as they tend to mar the surface. These marks, or heavy soil, can be removed with a soft cleaner meant for glazed surfaces.

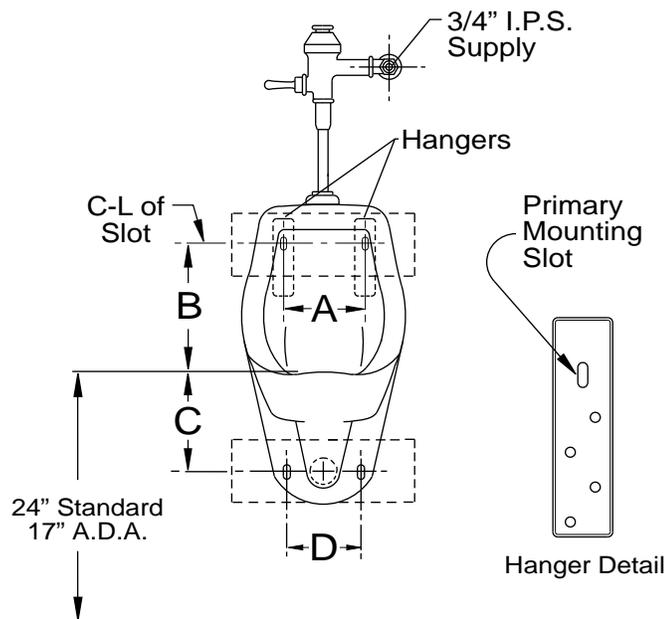
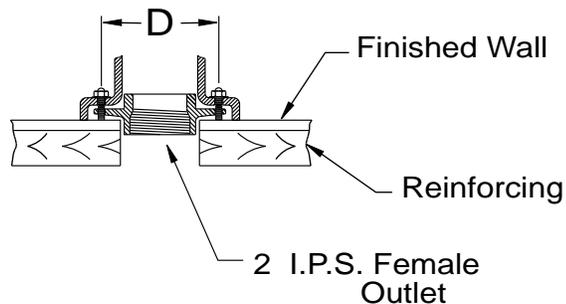


Figure 2

CR/PL 1235 Hartrey Avenue Evanston, IL. 60202



Outlet Connection

Figure 2

### Limited Five Year Warranty

Subject to the "Exclusions" set forth below, CR/PL promises to the consumer to repair, or at the option of CR/PL, to replace any part of this plumbing product which proves to be defective in workmanship or materials under normal use for five years from the date of purchase. All costs of removal, transportation and reinstallation to obtain warranty service shall be paid by the consumer. During this five year period, CR/PL will provide, subject to the "Exclusions" section set forth below, all parts free of charge, necessary to correct such defects if this plumbing product has been installed and maintained in accordance with written instructions furnished by CR/PL with this plumbing product.

Exclusions: CR/PL PRODUCTS SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING COSTS OF INSTALLATION

OR WATER DAMAGE, OR FOR DAMAGES RESULTING FROM ABUSE OR MISUSE OR FROM FAILURE TO INSTALL OR MAINTAIN THIS PLUMBING PRODUCT IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS FURNISHED BY CR/PL PRODUCTS. USE OF CLEANING PRODUCTS CONTAINING CALCIUM HYPOCHLORITE (CHLORINE) SHALL CONSTITUTE IMPROPER MAINTENANCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO THE CONSUMER. THE ONLY WARRANTY MADE BY CR/PL PRODUCTS IS SET FORTH ABOVE AND ALL IMPLIED WARRANTIES WHICH MIGHT ARISE, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A

PARTICULAR PURPOSE ARE HEREBY EXCLUDED.

Warranty Service: In order to obtain warranty service or adjustments, contact the builder, dealer or plumber from whom the product was purchased, or the Customer Service Department, CR/PL Products, 201 East Fifth Street, Mansfield, OH 44901 (419/522-4211). In obtaining warranty service, all transportation, shipping and freight charges connected with transporting any part of this plumbing product must be prepaid by the consumer. It is the responsibility of the consumer to establish the warranty period by verifying the original purchase date. A bill of sale, cancelled check or some other appropriate payment record may be kept for this purpose. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.