



HydroRail™ Shower Column

Pre-Installation Survey

For Retrofit To An Existing Installation

THE BOLD LOOK
OF **KOHLER**®

Introducing HydroRail™ Shower Column



The Kohler® HydroRail (-R) shower column is designed to allow you to upgrade an existing bath/shower or shower-only installation to a custom shower installation without

major remodeling. When this product is installed in an existing shower, a number of simple steps are required to ensure the installation can be completed.

Completing the following simple steps will allow you to:

- Ensure existing installation is suitable for the HydroRail (-R) shower column
- Identify any remedial work that may be required before the HydroRail (-R) column can be installed
- Ensure that the completed installation is physically compatible with the users of the product
- Identify the specific sku that you need to order for your project

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Step 1: Evaluate the Condition of the Existing Shower

In a remodeling application, the HydroRail(-R) system replaces the existing showerarm, connecting to the ½” NPT supply elbow inside the wall cavity. This system requires that the existing pipe work is in good condition and firmly fixed in place. Pipe work requiring repair or

featuring an alternate connection arrangement may require additional work to facilitate the installation of the HydroRail(-R) system. Such preparation work may necessitate access into the wall cavity.

Check:

1. Take hold of the existing showerarm, and carefully check for any movement into the wall cavity. If the existing supply pipe work in the wall cavity is not already securely fastened, **this will need to be corrected before installation of the HydroRail (-R).**

2. Carefully slide the showerarm flange away from the wall, and check the diameter of the hole in the wall. If the hole diameter is larger than 1-1/4”, there will not be sufficient material to secure the HydroRail (-R) to the wall. **Large Escutcheon/Mounting Collar Kits are available (see below), or additional surface wall will need to be added before installation can proceed.**

3. Before sliding the showerarm flange back into place, measure the distance from the elbow in the wall cavity (the fitting the existing showerarm is connected into) to the finished wall surface. After making the measurement, follow the instructions in the table below.

4. Check that there are no wall accessories (grab bars, soap trays, etc.) mounted directly between the showerarm and the valve below. **These may need to be removed prior to installation of the HydroRail.**

5. To support the column and mounting brackets, the HydroRail requires a shower wall thickness of 3/8”.

| Distance from elbow in wall cavity to the shower wall surface | Effect |
|---|---|
| 1⅜" to 2⅞" | Use standard product. There is no need to order additional parts. |
| 0" to 1⅜" | You need to order Shallow Rough-in Kit (part number: 1187917) |
| 2⅞" to 4" | You need to order deep Rough-In Kit (part number: 1194630) |
| Outside above ranges | Modification required to pipework |

Other Mounting Kits Available:

-Large Escutcheon/Mounting Collar Kit - part number 1194302-CP

-Large Escutcheon/Mounting Collar Kit - part number 1194302-BN

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Step 2: Measure the Distance from Showerarm to Ceiling

Once you have completed Step 1 and everything is acceptable, you now need to take some measurements of the existing showering area to ensure the HydroRail

(-R) column will fit in the available space. These measurements will also help you determine which model to order for your application.

Measure:

2. Center of showerarm to ceiling

Why: To ensure there is sufficient clearance from the showerarm to the ceiling for the shower column to be installed.

The following table details the dimension requirements for each of the four configurations

| Distance from showerarm to ceiling | Product Option | |
|------------------------------------|--------------------|--------------------|
| | Bath/Shower | Shower Only |
| Less than 4" | Not suitable | Not suitable |
| 4" – 10" | K-45210 | K-45212 |
| 10"+ | K-45209 or K-45210 | K-45211 or K-45212 |

Note: If the distance from the showerarm to the ceiling is less than 4" the HydroRail (-R) is not a solution for your application. However, Kohler will be happy to help you determine alternative configurations to deliver your custom shower experience.



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Step 3: Measure the Distance from the Shower Arm to the Valve

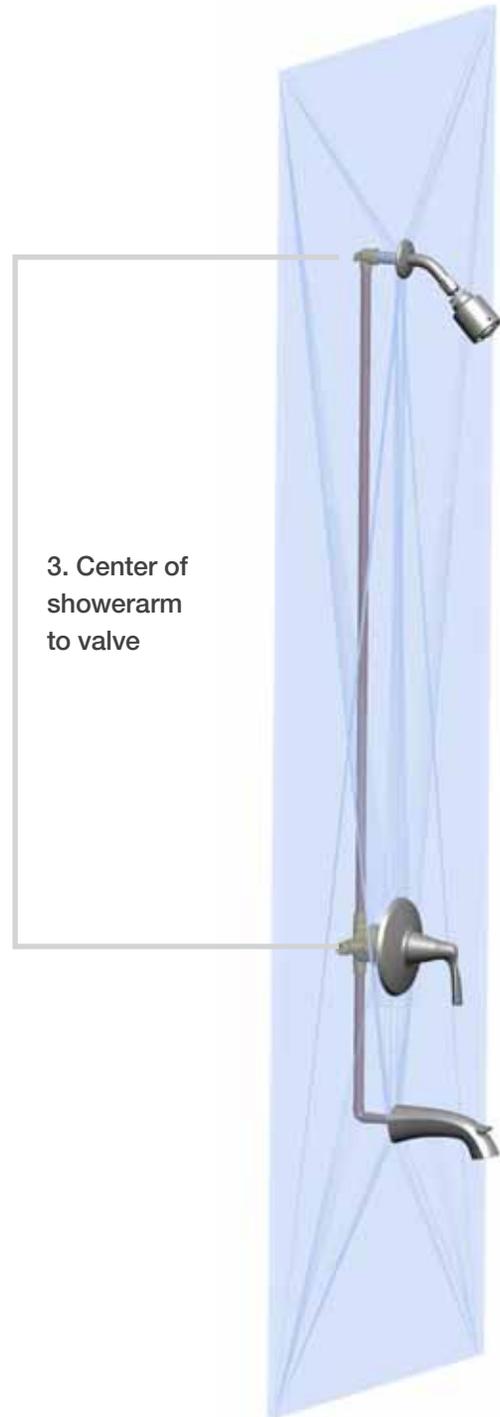
Measure:

3. Center of showerarm to center of valve

Why: To check that the existing valve is installed in a location where there is sufficient space for the HydroRail (-R) column to be installed.

| Distance from center of showerarm to center of valve. | Product Option | |
|---|--------------------|----------------------------|
| | Bath/Shower | Shower Only |
| Less than 24" | Not suitable | Not suitable |
| 24" – 33" | K-45211 or K-45212 | K-45211 or K-45212 |
| 33"+ | K-45209 or K-45210 | Any HydroRail model number |

Note: If the distance is less than 24" the HydroRail (-R) is not a solution for your application. However, Kohler will be happy to help you determine alternative configurations to deliver your custom shower experience.



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Step 4: Measure the distance from the Shower Arm to the Shower Floor

Measure:

4. Center of showerarm to floor

Why: To ensure that there is sufficient clearance beneath the installed rainhead to account for the height of the end user and deliver an exhilarating experience.

The following table details the relationship between the existing showerarm height from the floor and the actual height of the rainhead after HydroRail has been installed.

| Existing Showerarm Height from Floor (Inches) | Actual Rainhead Height (Inches) | |
|---|--------------------------------------|------------------------------------|
| | Arched Designs K-45209 K-45211 | Beam Designs K-45210 K-45212 |
| 72 | 78 | 72¼ |
| 73 | 79 | 73¼ |
| 74 | 80 | 74¼ |
| 75 | 81 | 75¼ |
| 76 | 82 | 76¼ |
| 77 | 83 | 77¼ |
| 78 | 84 | 78¼ |
| 79 | 85 | 79¼ |
| 80 | 86 | 80¼ |
| 81 | 87 | 81¼ |
| 82 | 88 | 82¼ |
| 83 | 89 | 83¼ |
| 84 | 90 | 84¼ |

Where the height of the user is known, the required height of the rainhead and shower arm can be determined by adding 6" to 10" to the height of the individual.

For example, if the user is 6 feet tall (72"), adding 6" results in a required height of 78" for the rainhead. Therefore, using the table above, the required height for the shower arm is as follows:

- the showerarm must be at least 72" from the floor if using part numbers K-45209 or K-45211
- The showerarm must be at least 78" from the floor if using part numbers K-45210 or 45212.



As a general rule (where the specific user's heights are not known), we recommend a minimum distance for this measurement as follows:

- For K-45209/K-45211 – recommended minimum distance from showerarm to floor of 72"
- For K-45210/K-45212 – recommended minimum distance from showerarm to floor of 75"