

SHOWER FIXTURE

A handout containing the highlights of the video titled Residential Plumbing and Repair: Shower Fixture

Shower valve

Nowadays, a mixing valve is the most common valve to be installed on showers. Back in the day, a dual-handle shower valve is mostly used, and it had two handles - a cold handle and a hot handle - and one other handle that would turn the shower on and off.

At present, we now use mixing valves and they regulate temperature. As shown in Figure 2, both cold and hot water, identified with different colored PEX supply lines (blue PEX for cold water, and red PEX for hot water), are connected to the mixing valve. The water is mixed in the valve, and comes out of the shower head at a controlled temperature.



CAPTION 1 THE INSTRUCTOR HOLDING THE MIXING VALVE INSTALLED ON A MOCK-UP SHOWER STALL



CAPTION 2 A CLOSE-UP PHOTO OF THE INSTALLED MIXING VALVE

Shower valve repair

It is very easy to disassemble the shower valve by taking the housing off with a wrench and then easily removing the shower valve by hand.

There is a lining gasket on the back side and an O-ring on the side of the mixing valve, as shown in Figure 5. If one of these are damaged in any way, it would leak or allow water to continue to drip or flow to the shower head.

To fix a dripping shower head, take the housing off and pull the shower stem out. If the lining gasket and/or the O-ring have been damaged, replace it with a new one and then reassemble the housing back to the mixing valve.



CAPTION 3 THE INSTRUCTOR REMOVING THE HOUSING FROM THE MIXING VALVE



CAPTION 4 A CLOSE-UP PHOTO OF THE STEM VALVE UNDERNEATH THE HOUSING OF THE MIXING VALVE



CAPTION 5 THE INSTRUCTOR POINTS AT THE O-RING ON THE MIXING VALVE

Looking for other learning materials?

The [Residential Plumbing and Repair iTunes U course](#) has video and other learning materials for you to view. You can [download iTunes for free](#) to view the course and course materials.

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