

# Installation, Operation, and Maintenance of SP-10PB Shower Mixing Valve

<u>Warning</u>: This product is ligature-resistant only when properly installed. A loosened fixture can easily be tied to. Any product which can be removed can be used as a weapon!

**Note:** Videos for installing and removing the handles are available on our website on the SP-10PB product pages.

#### Installation:

**1.** The SP-10-PB consists of a valve manufactured by Speakman Company and trim by Odd Ball Industries (packaged separated). Install the valve per the Speakman documentation included with the valve.

**2.** Position the wall plate (7" dia) over the valve stem, followed by the escutcheon plate (4" dia). Loosely secure the plates to the valve bonnet using the pair of long flat-head screws provided.

**3.** Apply sealant to the lip of the wall plate and between the wall plate and the escutcheon plate. Tighten the screws, but do not over tighten. Wipe away any excess sealant.

**4.** Coat the stem splines with Never-Seez Mariner's Choice or equivalent. (Never-Seez products are made by Bostik; 800-523-2678). In the future, you will not be able to remove the handle non-destructively if you skip this step.

**5.** Place the included Teflon gasket in the escutcheon plate. Push the handle onto the stem until it hits the gasket and plate. Turn the handle. If the handle is difficult to turn, back it out slightly<sup>1</sup>. Try turning the handle again. Repeat until the handle turns easily.

*Note:* The handle must be fully recessed in the escutcheon plate.

<sup>&</sup>lt;sup>1</sup> If you have difficulty backing out the handle, use a long ¼-20 screw to function as a jack bolt. See removal instructions for details.



**6.** Obtain an 8-32 flat head stainless steel screw<sup>2</sup> of appropriate length to secure the handle to the stem. **THIS SCREW IS NOT PROVIDED.** 

**7.** Apply Loctite 220 or equivalent to the leading threads of the screw. Install the handle screw until the head is seated in the countersink, but do not compress the handle against the gasket (or the handle will bind). Back out the handle and repeat if necessary.

## Removing The Handle: (Video available on our website)

**1.** Remove the handle screw. Significant force may be required due to the use of Loctite, so be careful not to damage the screw head.

**2.** Thread a long 1/4-20 machine screw into the handle. It will bottom against the valve stem, and lift the handle off the stem as the screw is turned.

**Note:** If the handle cannot be removed in this manner, it is likely that an anti-seizing agent was not used during installation. It will be necessary to remove the handle using destructive means.

# **Operation**:

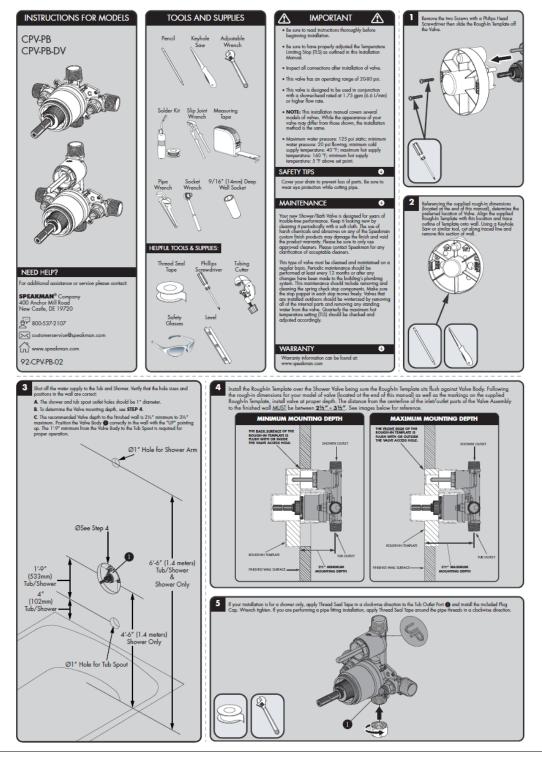
- Ensure that both hot and cold water supplies are fully on.
- From the off position, rotating the handle clockwise starts the flow of water with the temperature increasing as the handle is turned. Rotate the handle fully counterclockwise to turn the flow of water off.

#### Care and Maintenance:

- *Handle:* Only clean with mild detergent and a non-abrasive cloth. Aggressive cleaning techniques may remove the finish.
- *Valve:* No maintenance required. See Speakman IMO documentation for servicing instructions and parts list.
- Parts: Replacement parts are available through Odd Ball Industries.

<sup>&</sup>lt;sup>2</sup> Security fasteners are strongly recommended. The selection of a security fastener should be made in conjunction with a facility manager.



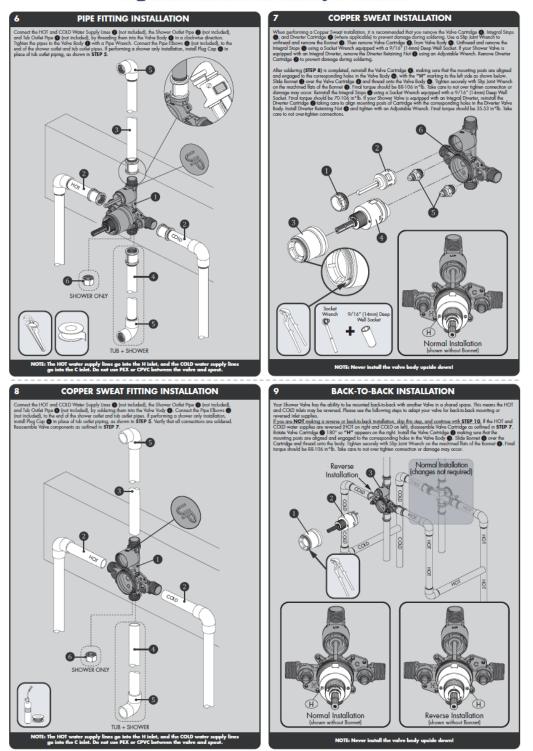


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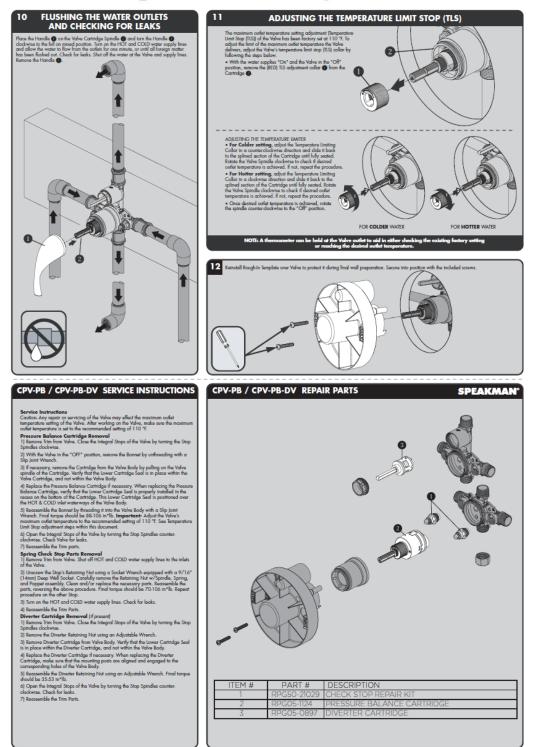
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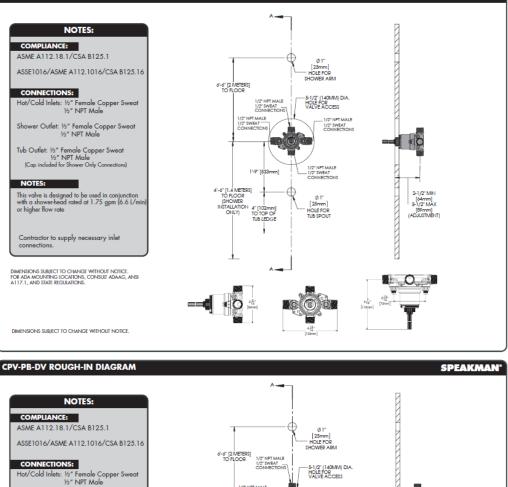


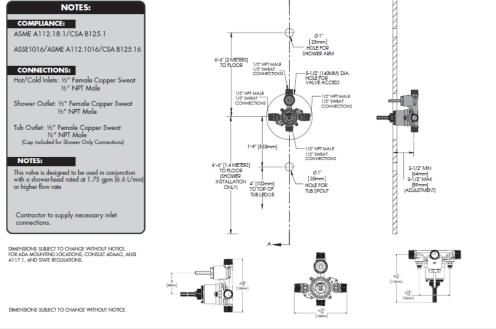


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