

XP Valve Replacement

Use this guide to replace the XP valve on the KinExA® instrument.

Verify that you have the correct valve for the pump

- The valve type depends on the version of syringe pump. Identify the pump by evaluating whether the pump has a lead screw or not (**Figure 1**).
- The following are instructions for changing the XP valve (Part #: 310120). If you have an XCalibur pump, this valve will not fit. You will need an XCalibur valve (Part #: 310125). See **HG225 - XCalibur Valve Replacement** for instructions on replacing an XCalibur valve.

Changing the XP valve

- Turn the instrument off. Loosen the thumbscrew to release the syringe.
- Pull the syringe platform down.

- Unscrew the syringe barrel from the XP valve. Remove the two black tubing nuts from the top of the XP valve. Use a Phillips #1 screwdriver to remove the screws from the front of the XP valve.
- Look at the orientation of the back of the old XP valve after it is removed from the instrument. Be sure to line up the back of the new XP valve in the same way as the old XP valve (**Figure 2**).
- Use the Phillips #1 screwdriver to attach the XP valve to the pump. Tighten the screws but do not overtighten.
- Reinstall the syringe barrel and tubing nuts on the XP valve. Be sure they are all hand tightened.
- Pull up on the syringe platform to engage the bottom of the syringe plunger.
- Tighten the thumbscrew. Turn the instrument on and run several rinses to ensure the valve and syringe are functioning properly.

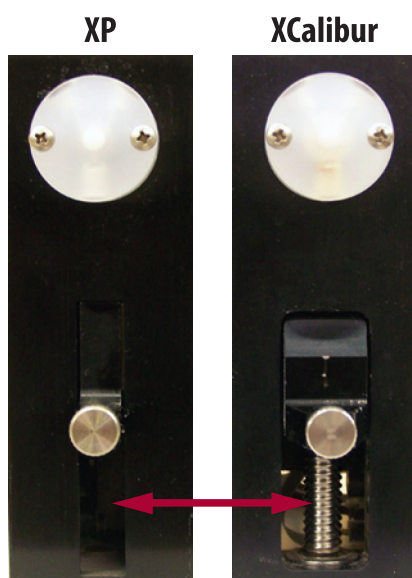


Figure 1. Valve type dependent on presence of lead screw. The XP Pump does not have a lead screw. The XCalibur Pump has a lead screw.

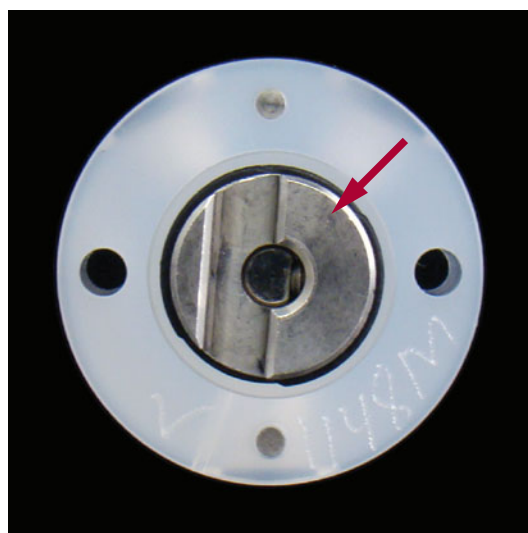


Figure 2. Twist the back of the XP valve to line up with the position of the XP valve removed.