

# TECHNICAL BULLETIN

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ISSUE: 072920

## Issues Associated with Pressure Reduction Valve (PRV) Calibration

### Summary:

It's recommended to test all PRV valves prior to installing equipment. When PRV valves are manufactured, some valves may be factory set to a lower than optimal pressure.

This bulletin details how to test for this issue to ensure proper installation.

## THE ISSUE:

The optimal PRV valve setting is 60-70psi but can be factory set much lower, closer to 25-40psi, causing a potential:

- **Reduction in RO performance**, leading to potentially higher TDS, lower replenishment rate, and shorter membrane life.
- **Leak**, if the PRV valve is set too low and a pressure spike occurs.

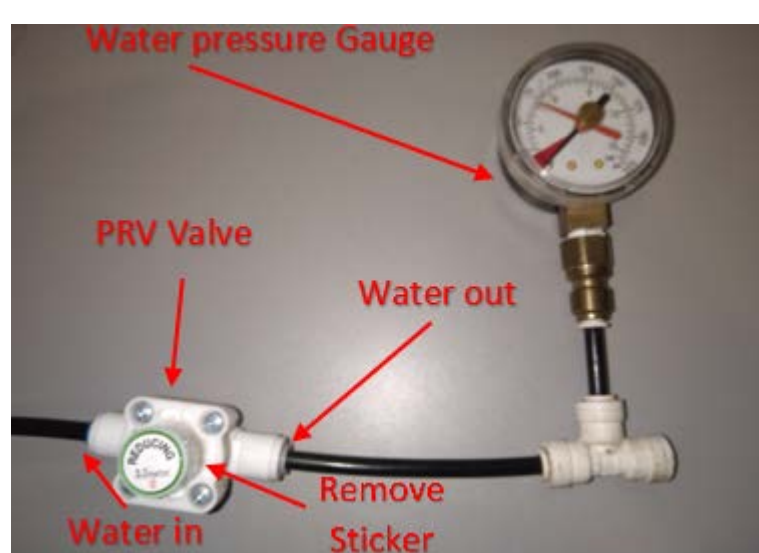


**Part Number:**  
4000-0014

### Tools:

1. Water Pressure Gauge
2. Tubing Cutter
3. Large Flat-head Screwdriver

## HOW TO CALIBRATE:

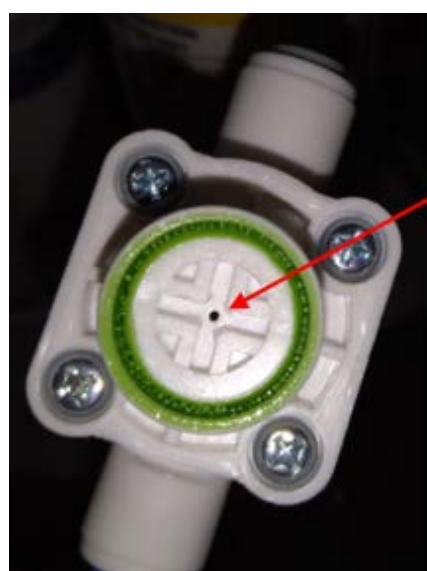


### Step 1:

Remove the PRV valve from the unit and take a pressure reading of the water exiting the PRV valve using a water pressure gauge.

### Step 2:

If water pressure is not between 60-70psi coming out of the PRV Valve, remove the sticker that covers the adjustment screw.



**Adjustment Screw**

### Step 3:

Using a large flat head screwdriver, turn the adjustment screw (clockwise to increase pressure; counter-clockwise to decrease pressure) until you have 60psi – 70psi.

### Step 4:

Reinstall PRV valve into unit once the desired pressure is achieved.

For additional tips or assistance, contact  
Pure Water Technology technical support directly:

(855) 534-8332

