



Valve Winterization

800 Series Control Valves

Nelson 800 Series Valves operate over a wide range of agricultural, environmental, and industrial applications around the world. Depending on your local climate, winterization of the valve may enhance its long-term performance.

Winterization consists of **removing water from four** areas: 1) the **pipeline** upstream/downstream of the valve, 2) the valve **control chamber**, 3) the control **tubing**, and 4) **accessories** such as a solenoid or external filter. Specific winterization measures will depend upon the configuration of your valve.

1. Upstream/Downstream

Drain or pump water from the pipeline upstream and downstream of the valve. If your valve is installed in the vertical position, **remove the drain plugs** located on the top and bottom of the valve to drain excess water from around the valve cage.



Vertical Installation

3. Control Tubing

Disconnect all tubing and allow to drain, applying air pressure if necessary. Reconnect the tubing to the correct port after draining.

2. Control Chamber

Remove the drain plug located on the bottom of the valve (if installed horizontally), opposite the manual selector valve. Replace the plug after draining.



Horizontal Installation

4. Accessories

Solenoid: **Disconnect the tubing** from the solenoid and allow the tubing to drain completely, apply air pressure if necessary. Any water remaining in the solenoid could freeze, causing the solenoid to break or deform, which could be extremely difficult to visually detect prior to operation.

External Filter: **open the isolation valve** on the end of the external filter and allow to drain.

Valve Removal

Removing the valve for the winter is not necessary, but provides an opportunity to inspect the valve and remove any trash or debris that may have accumulated during the operating season.

For additional information, contact your local Nelson Dealer, or go to www.nelsonirrigation.com

