

innovation in irrigation™

NELSON

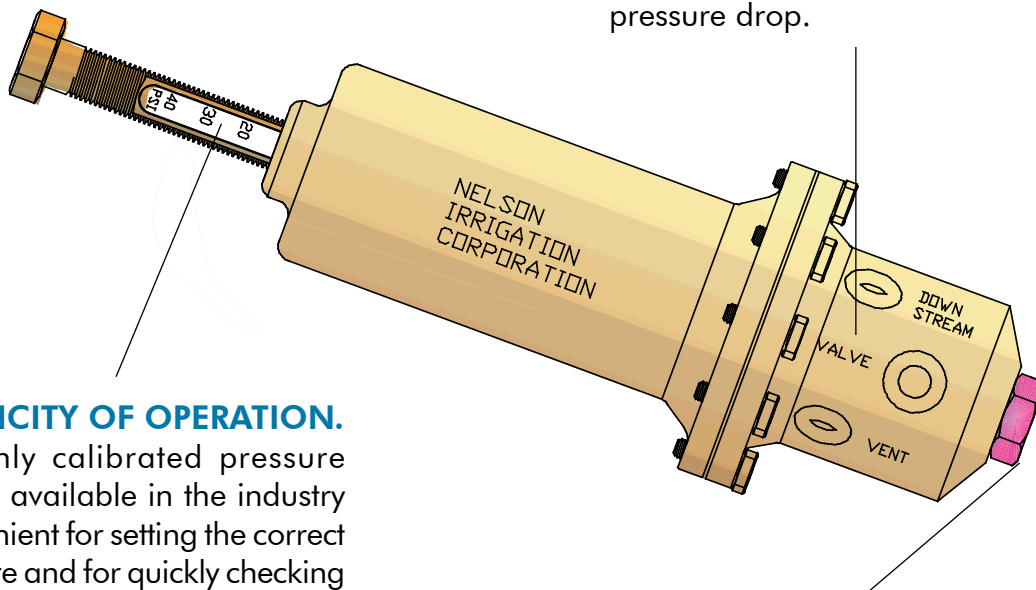
PRESSURE CONTROL

800 SERIES CONTROL VALVES

NELSON ADVANCED PRESSURE CONTROL

MOST RELIABLE AND ACCURATE PRESSURE CONTROL AVAILABLE.

Low friction spool works without any pressure drop.



SIMPLICITY OF OPERATION.

The only calibrated pressure control available in the industry. Convenient for setting the correct pressure and for quickly checking for proper adjustment range.

ADVANCED SENSITIVITY BUSHING.

This feature can stop wild pressure swings and tune the valve for the needed accuracy.

ADVANCED PRESSURE CONTROL FEATURES:

- Both reducing and sustaining function.
- No pressure drop required to regulate.
- Widest flow range available.
- Proportional throttling design.
- Pressure accuracy even if temperature varies.
- Minimal control water = minimized filtration.
- Freeze proof easy clean external filter.
- Small pilot to fit 2" and 3" size valves.
- Valve quick pressure check fittings.

**800 SERIES CONTROL VALVES**

NELSON 800 SERIES CONTROL VALVES ARE MADE FOR PRESSURE CONTROL

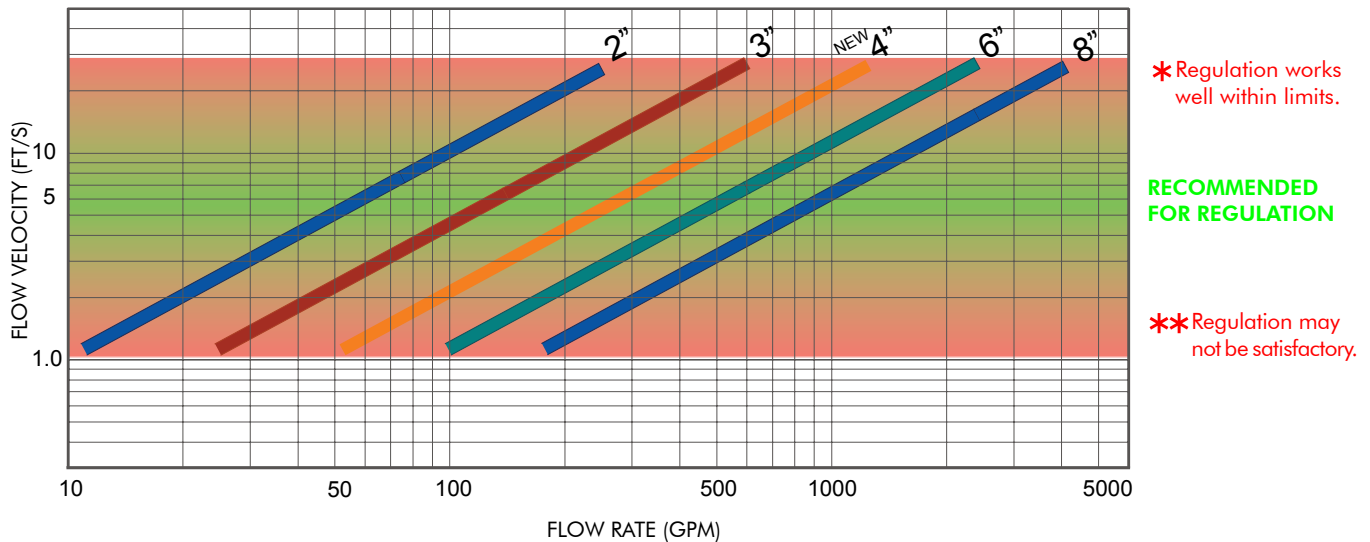
Here's why the Nelson 800 Series is preferred for irrigation pressure control.



Proportional throttling. Look at the center of the valve to see the internal struts which keep the sleeve in good throttling position even at low flows. Competitive valves create much pressure loss and turbulence but the 800 Series design is engineered to avoid these problems. The 800 Series with **proportional throttling** is the best valve for smooth operation over the widest flow and pressure range.

Proportional throttling area

Widest performance range. By coupling advanced valve design with advanced controls, the 800 Series is able to out perform competitive valves. The graph below shows the wide range of pressure control for each valve size.



* Valves perform best within a pressure differential range of 5-80 PSI. Provide adequate upstream pressure to fully open the valve (30 PSI for the 200 PSI valve and 10 PSI for the 50 PSI valve).
 ** Valve may create slight cavitation noise. To avoid noise keep pressure differential less than 60 PSI or increase downstream pressure setting until noise stops.

WARRANTY AND DISCLAIMER

Nelson 800 Series Control Valves are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from defects or breach of warranty. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER. No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty, nor to make any representations or warranty not contained herein.