

**R3000****ROTATOR<sup>®</sup>**

water application solutions for center pivot irrigation



— **Patented Single-Strut Inlet Seat** improves plug resistance over other brands. Now standard in Nelson Universal Flo and Hi Flo Pressure Regulators.



— **Square Thread** for quick change

— **3TN Nozzle**



— **Rotator Body**



— **NEW! Multi-Trajectory Rotator Plates**



— **Rotator Cap Assembly (Blue)**

**IMPORTANT!** If your system is designed with Nelson sprinklers, use Nelson Pressure Regulators. Individual manufacturers' pressure regulator performance varies. Interchanging could result in inaccurate nozzle selection.

## NELSON'S R3000 ROTATOR<sup>®</sup> PIVOT SPRINKLER

The R3000 Rotator<sup>®</sup> is the world's premier pivot sprinkler. It operates with a proven, patented drive principle and simplicity of design with only one moving part. You can expect the highest levels of reliability and long wear life under tough field conditions. **New! high performance plates allow lower operating pressures for the R3000 Rotator<sup>®</sup> — SAVE ENERGY!**

### FEATURES & BENEFITS:

**GREATER THROW RADIUS.** The R3000 Rotator<sup>®</sup> features the greatest throw distance available on drop tubes. As a rotating type sprinkler the R3000 produces a wider pattern resulting in a lower application rate, reduced runoff and longer soak time.

**HIGHER UNIFORMITY.** The R3000 greatly improves uniformity because of the increased overlap from adjacent sprinklers.

**REDUCED WIND DRIFT AND EVAPORATIVE LOSS.** The R3000 more than meets the challenge of putting a rotating type sprinkler on drop tubes — down out of the wind — to minimize wind drift and evaporative loss.

**COLOR-CODED NOZZLES.** The 3TN Nozzle system is at the center of the 3000 Series Pivot Product line with easy-to-identify, wear-resistant, precision-accurate nozzles. The quick-change adapter allows you to remove the Rotator for easy cleaning of a plugged nozzle — without tools and without shutting down the system. It's a snap to change nozzles in mid-season.

**VERSATILE MODULAR DESIGN.** Because no one sprinkler is right for all conditions, the 3000 Series features modular design components which are easily changed with a simple push and turn. You may want to start out the season with one configuration and change to a different one later.

SAVE WATER, SAVE ENERGY AND  
DO A BETTER JOB OF IRRIGATING

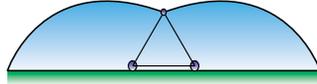
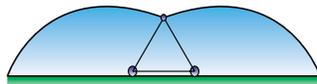
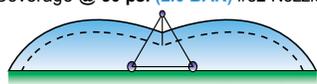
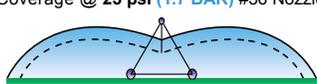
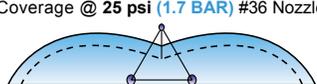
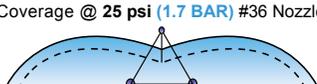
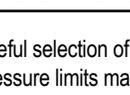
# > R3000 ROTATOR PERFORMANCE\*

**NEW!** Protective Shield provides longer wear life and enhanced reliability.



**ADVANCED DESIGN.** The plates of the R3000 Rotator are specifically engineered for high performance.

- Speed Control
- Uniformity built-in
- Droplet control solutions: gentle (sensitive crops/soils), wind-fighting (max. efficiency)

| SPRINKLER & PLATE TYPE | DESCRIPTION   | PRESSURE RANGE  | 3TN NOZZLE RANGE**       |   | THROW DIAMETER DATA***<br>(NO WIND TESTS) |   |
|------------------------|---|---|--------------------------|---|---|---|
|                        |   |   | MINIMUM                  | MAXIMUM   |   |   |
| UP-TOP APPLICATIONS    | <br>U4-8°<br>BLUE PLATE                | <b>FOR UP-TOP APPLICATIONS</b><br>Utilizes 4 low-trajectory streams for excellent coverage and wind-fighting ability at higher pressures.                   | 20-50 PSI<br>1.4-3.4 BAR | #14 @ 30 PSI (2.0 BAR)<br>#16 for lower pressures | #50                                       | Coverage @ 30 psi (2.0 BAR) #32 Nozzle<br><br>Mounting Ht. 12 ft. (3.7 M) — Throw Diameter 70 ft. (21.3 M)   |
|                        | <br>MULTI-TRAJECTORY<br>WHITE PLATE    | <b>FOR UP-TOP APPLICATIONS</b><br>Designed with multiple trajectory streams for superior up-top performance at low pressures.                               | 15-30 PSI<br>1.0-2.0 BAR | #14 @ 15 PSI (1.0 BAR)                            | #50                                       | Coverage @ 30 psi (2.0 BAR) #32 Nozzle<br><br>Mounting Ht. 12 ft. (3.7 M) — Throw Diameter 74 ft. (22.6 M)   |
| DROP TUBE APPLICATIONS | <br>D4-8°<br>GREEN PLATE               | <b>FOR DROP TUBE APPLICATIONS</b><br>Utilizes 4 low-trajectory streams for maximum coverage and wind-fighting ability.                                      | 20-50 PSI<br>1.4-3.4 BAR | #14 @ 30 PSI (2.0 BAR)<br>#16 for lower pressures | #50                                       | Coverage @ 30 psi (2.0 BAR) #32 Nozzle<br><br>Mounting Ht. 9 ft. (2.7 M) — Throw Diameter 72 ft. (21.9 M)<br>6 ft. (1.8 M) - - - - 64 ft. (19.5 M)   |
|                        | <br>D6-12°<br>RED PLATE               | <b>FOR DROP TUBE APPLICATIONS</b><br>6 medium-trajectory, diffused streams provide droplet breakup with low stream height.                                  | 15-30 PSI<br>1.0-2.0 BAR | #14 @ 15 PSI (1.0 BAR)                            | #50                                       | Coverage @ 25 psi (1.7 BAR) #36 Nozzle<br><br>Mounting Ht. 9 ft. (2.7 M) — Throw Diameter 66 ft. (20.1 M)<br>6 ft. (1.8 M) - - - - 58 ft. (17.7 M)  |
|                        | <br>MULTI-TRAJECTORY<br>ORANGE PLATE | <b>FOR DROP TUBE APPLICATIONS</b><br>Designed with multiple trajectory streams to penetrate the upper canopy of tall crops.                                 | 15-30 PSI<br>1.0-2.0 BAR | #14 @ 15 PSI (1.0 BAR)                            | #50                                       | Coverage @ 25 psi (1.7 BAR) #36 Nozzle<br><br>Mounting Ht. 9 ft. (2.7 M) — Throw Diameter 72 ft. (21.9 M)<br>6 ft. (1.8 M) - - - - 66 ft. (20.1 M) |
|                        | <br>MULTI-TRAJECTORY<br>BROWN PLATE  | <b>FOR DROP TUBE APPLICATIONS</b><br>10 multiple trajectory streams provide maximum uniformity and superior performance on low growing crops like potatoes. | 15-30 PSI<br>1.0-2.0 BAR | #14 @ 15 PSI (1.0 BAR)                            | #50                                       | Coverage @ 25 psi (1.7 BAR) #36 Nozzle<br><br>Mounting Ht. 9 ft. (2.7 M) — Throw Diameter 68 ft. (20.7 M)<br>6 ft. (1.8 M) - - - - 62 ft. (18.9 M) |
|                        | <br>MULTI-TRAJECTORY<br>WHITE PLATE  | <b>FOR DROP TUBE APPLICATIONS</b><br>Designed with multiple trajectory streams to penetrate the upper canopy of tall crops.                                 | 15-30 PSI<br>1.0-2.0 BAR | #14 @ 15 PSI (1.0 BAR)                            | #50                                       | Coverage @ 25 psi (1.7 BAR) #36 Nozzle<br><br>Mounting Ht. 9 ft. (2.7 M) — Throw Diameter 72 ft. (21.9 M)<br>6 ft. (1.8 M) - - - - 66 ft. (20.1 M) |

\* Careful selection of pressure and sprinkler configuration must be taken into account to optimize droplet size.

\*\* Pressure limits may exist on minimum and maximum nozzle sizes.

\*\*\* Throw Distance Varies with Pressure, Nozzle Size, Mounting Height and Hydraulic Conditions.

**WARRANTY AND DISCLAIMER:** Nelson R3000 Rotators 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.

This product may be covered by one or more of the following U.S. Patent Nos. 4796811, RE33823, DES312865, 5415348, 5409168 and other U.S. Patents pending or corresponding issued or pending foreign patents.



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