

O3000



orbitor



O3000

water application solutions for center pivot irrigation



NELSON'S NEW ORBITOR PIVOT SPRINKLER

Featuring technology that eliminates the struts of a sprinkler body, Nelson's new Pivot Orbitor provides outstanding uniformity and optimal droplets at low pressures (10-20 psi / 0.7-1.4 bar). Expect long wear life and durability in poor water conditions, because there are no sprinkler body struts for debris to hang up on.

FEATURES & BENEFITS:

OUTSTANDING UNIFORMITY AT LOW PRESSURE. Designed specifically for use on mechanical move irrigation systems — center pivots and linear/lateral machines — the Orbitor delivers a uniform water application pattern.

REDUCED WIND DRIFT AND EVAPORATIVE LOSS. Strutless sprinkler body design reduces droplet breakup, drift and drool.

STREAMLINED DESIGN. Streamlined for excellent movement through canopy and over field obstacles.


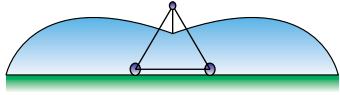

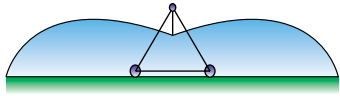

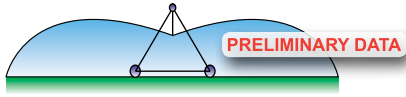
COLOR-CODED NOZZLES. The 3TN Nozzle system is at the center of the 3000 Series Pivot Product line with easy-to-identify, wear-resistant, precision-accurate nozzles. The quick-change adapter allows you to remove the Orbitor for easy cleaning of a plugged nozzle — without tools and without shutting down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

> O3000 ORBITOR PERFORMANCE*

CHOOSE HIGH PERFORMANCE. The O3000 Orbitor is available with the choice of three different plate options to meet specific irrigation needs. The standard angle **BLACK PLATE** has 9 grooves for optimum uniformity and maximum throw. The low angle **BLUE PLATE** has 9 grooves and provides maximum wind-fighting ability. The new **PURPLE PLATE** delivers a consistently smaller droplet — ideal for germination of crops and soils requiring finer droplets.

SPRINKLER & PLATE TYPE	DESCRIPTION	PRESSURE RANGE	NOZZLE RANGE	THROW DIAMETER DATA** (NO-WIND TESTS)
 BLACK PLATE #11488-101	FOR DROP TUBE APPLICATIONS — Standard Angle — [Use minimum of 2' (.6 m) flex hose]	10-20 PSI .7-1.4 BAR	3TN #11-50	Coverage @ 15 psi (1.0 BAR) #36 Nozzle  Mounting Ht. 6 ft. (1.8 M) — Throw Diameter 58 ft. (17.7 M)
 BLUE PLATE #11488-102	FOR DROP TUBE APPLICATIONS — Low Angle — [Use minimum of 2' (.6 m) flex hose]	10-20 PSI .7-1.4 BAR	3TN #11-50	Coverage @ 15 psi (1.0 BAR) #36 Nozzle  Mounting Ht. 6 ft. (1.8 M) — Throw Diameter 50 ft. (15.2 M)
 PURPLE PLATE #11488-103	FOR DROP TUBE APPLICATIONS — Smaller Droplets — [Use minimum of 2' (.6 m) flex hose]	10-20 PSI .7-1.4 BAR	3TN #11-50	Coverage @ 15 psi (1.0 BAR) #36 Nozzle  Mounting Ht. 6 ft. (1.8 M) — Throw Diameter 47 ft. (14.3 M)

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

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



IMPORTANT MOUNTING INFORMATION:

1. The Orbitor requires a minimum of 2' (0.6 m) of reinforced flexible hose in the mounting assembly.
2. The Orbitor requires the .85 lb. integral weight in all installations. Do not use any other conventional weight styles instead of, or in addition to, the Orbitor weight.
3. Always be sure that the Orbitor Weight is securely tightened.
4. Always be sure that all components in the mounting assembly and the Orbitor are securely tightened. Use new* Nelson pressure regulators and fittings.
5. If 3/4" ball valves are used, use metal nipples.

*New, patented single-strut seat manufactured after 2007.

WARRANTY AND DISCLAIMER: Nelson O3000 Orbitors 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. 5415348, 5439174, 5588595, 6439477, 7048001, 7287710, 7562833 and other U.S. Patents pending or corresponding issued or pending foreign patents.



Nelson Irrigation Corporation

848 Airport Rd., Walla Walla, WA 99362 USA

Tel: 509.525.7660 Fax: 509.525.7907 info@nelsonirrigation.com

Nelson Irrigation Corporation of Australia Pty. Ltd.

35 Sudbury Street, Darra QLD 4074 info@nelsonirrigation.com.au

Tel: +61 7 3715 8555 Fax: +61 7 3715 8666

WWW.NELSONIRRIGATION.COM