



WATER APPLICATION SOLUTIONS FOR CENTER PIVOT IRRIGATION



# O3030 ORBITOR

FEATURING TECHNOLOGY THAT ELIMINATES THE STRUTS OF A SPRINKLER BODY, NELSON'S PIVOT ORBITOR PROVIDES OUTSTANDING UNIFORMITY AND OPTIMAL DROPLETS AT LOW PRESSURES (6-20 PSI / 0.4-1.4 BAR).

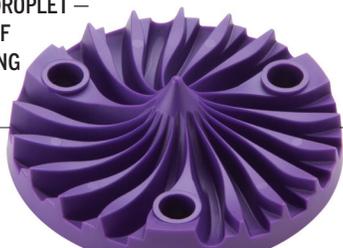


## FEATURES & BENEFITS

### 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.

THE NEW PURPLE PLATE DELIVERS A CONSISTENTLY SMALLER DROPLET – IDEAL FOR GERMINATION OF CROPS AND SOILS REQUIRING FINER DROPLETS.



### REDUCED WIND DRIFT AND EVAPORATIVE LOSS.

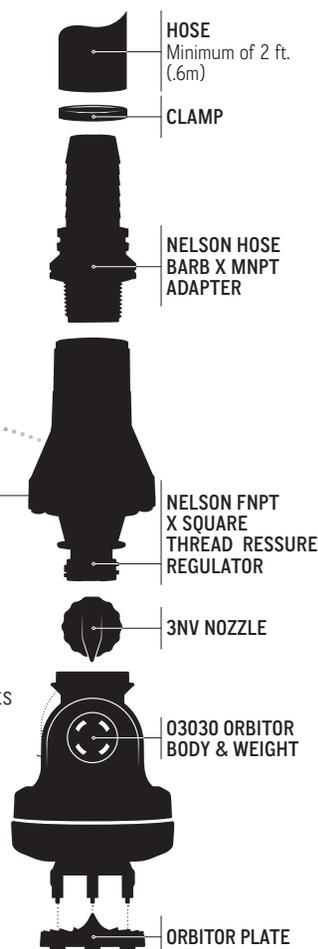
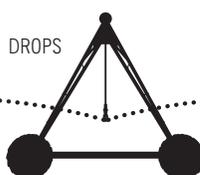
Strutless sprinkler body design reduces droplet breakup, drift and drool.

### COLOR-CODED NOZZLES.

The 3NV Nozzle system is at the center of the 3030 Series Pivot Product line with easy-to-identify, wear-resistant, precision-accurate nozzles. This innovative dial-nozzle combines multiple functions so you can “micro-manage” your system. PRESS, SPIN, CLICK between “on”, “off”, “flush” and “line flush” functions.

### HEAVY-DUTY RELIABILITY.

Expect long wear life and durability in poor water conditions, because there are no sprinkler body struts for debris to hang up on.



ORBITOR ALSO AVAILABLE IN THE TRADITIONAL 3000 SERIES CONFIGURATION.

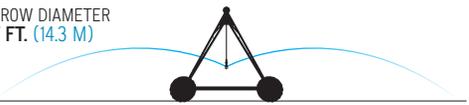


ORBITOR WITH WEIGHTED COVER



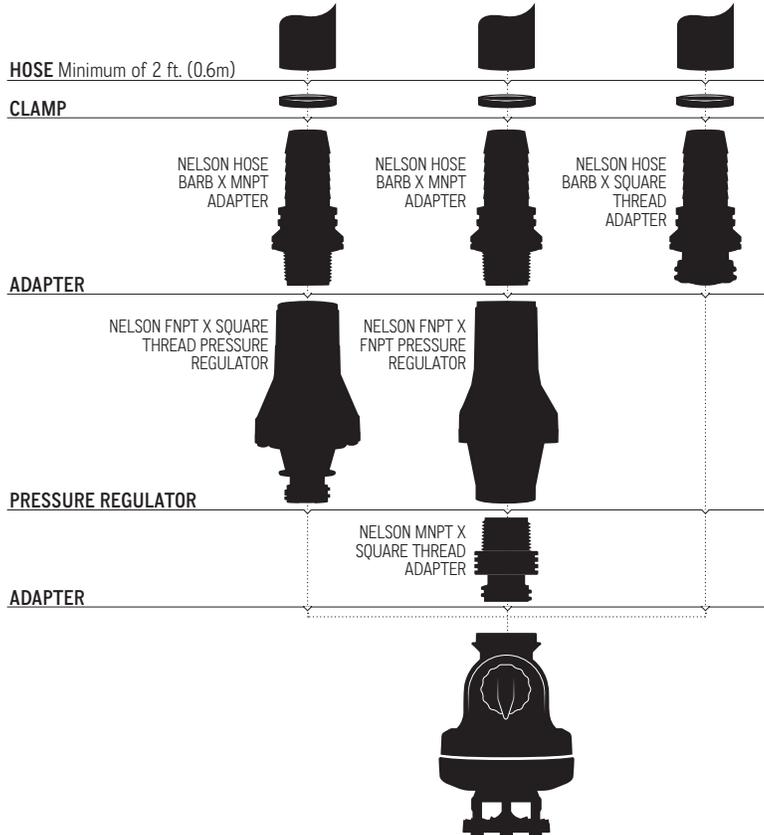
ORBITOR WITH PLASTIC COVER

**PIVOT ORBITOR PERFORMANCE\***

	PRESSURE RANGE*	3NV NOZZLE RANGE**	THROW DIAMETER DATA** (no wind tests)
 <p><b>BLACK PLATE</b> FOR DROP TUBE APPLICATIONS — Standard Angle — (Use minimum of 2 ft. (.6 m) flex hose)</p>	6-20 PSI (0.4-1.4 BAR)	<b>*11-50</b> MINIMUM *16 NOZ. AT 6 PSI (0.4 BAR)	MOUNTING HEIGHT <b>6 FT. (1.8 M)</b> THROW DIAMETER <b>58 FT. (17.7 M)</b>  COVERAGE @ 15 PSI (1.0 BAR) *36 NOZZLE
 <p><b>BLUE PLATE</b> FOR DROP TUBE APPLICATIONS — Low Angle — (Use minimum of 2 ft. (.6 m) flex hose)</p>	6-20 PSI (0.4-1.4 BAR)	<b>*11-50</b> MINIMUM *16 NOZ. AT 6 PSI (0.4 BAR)	MOUNTING HEIGHT <b>6 FT. (1.8 M)</b> THROW DIAMETER <b>50 FT. (15.2 M)</b>  COVERAGE @ 15 PSI (1.0 BAR) *36 NOZZLE
 <p><b>PURPLE PLATE</b> FOR DROP TUBE APPLICATIONS — Smaller Droplets — (Use minimum of 2 ft. (.6 m) flex hose)</p>	6-20 PSI (0.4-1.4 BAR)	<b>*11-50</b> MINIMUM *16 NOZ. AT 6 PSI (0.4 BAR)	MOUNTING HEIGHT <b>6 FT. (1.8 M)</b> THROW DIAMETER <b>47 FT. (14.3 M)</b>  COVERAGE @ 15 PSI (1.0 BAR) *36 NOZZLE

\* 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. When using the Orbitor with the weighted cover, do not use any other conventional weight styles instead of, or in addition to, the Orbitor weight.
3. When using the Orbitor with the plastic cover, an inline weight is required. Use Nelson Slim Weights or 3/4" NPT threaded weights. Slip weights require the Nelson Clamp Saver.
4. Always be sure that the Orbitor Weight, Slim Weight, or threaded weight is securely tightened.
5. Always be sure that all components in the mounting assembly and the Orbitor are securely tightened. Use new\* Nelson pressure regulators and fittings.
6. If 3/8" ball valves are used, use metal nipples or Nelson P/N-12291 plastic nipples.

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

**USE CLAMP SAVER WHEN INSTALLING ORBITORS ON A PIVOT WITH EXISTING POLY SLIP WEIGHTS.** This simple device placed over clamps on drop hose beneath poly slip weights protects the clamp from the "action" or natural vibration on Orbitor systems. This is a great solution when an irrigator is retrofitting a pivot that already has slip weights with the Orbitor sprinkler. Only the plastic cover version (6-10 psi / 0.4-0.7 bar) 03000 or 03030 can be used with poly slip weights.



**WARRANTY AND DISCLAIMER:** Nelson Pivot Orbitor Sprinklers & Pressure Regulators 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. 6439477, 7048001, 7140595, 7287710, 7562833, 7942345, 8028932, 9283577 and other u.s. patents pending or corresponding issued or pending foreign patents.



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