

T3000



TRASHBUSTER



water application solutions for center pivot irrigation

3000FC Nozzle
or 3TN Nozzle



Trashbuster
Body

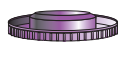


Trashbuster T3000

Rotator® Plates Spray Plates



Rotator® Cap
(Blue)



Trashbuster Cap
(Purple)

NELSON'S T3000 TRASHBUSTER PIVOT SPRINKLER

Developed for the land application of wastewater, the T3000 Trashbuster is proving itself an excellent solution, providing both agronomic and environmental benefits. By sustaining a balance between a crop's nutrient uptake abilities and the wastewater being applied, crops and soils provide a natural biological filter for cleansing. Proper waste management through a center pivot can be both cost-effective and environmentally safe.

FEATURES & BENEFITS:

AVAILABLE WITH FLOW CONTROL NOZZLE. The 3000FC Nozzle not only eliminates the need for pressure regulators, but also passes debris more easily than a conventional 3TN Nozzle. **It is not to be used on flexible hose drop assemblies.**

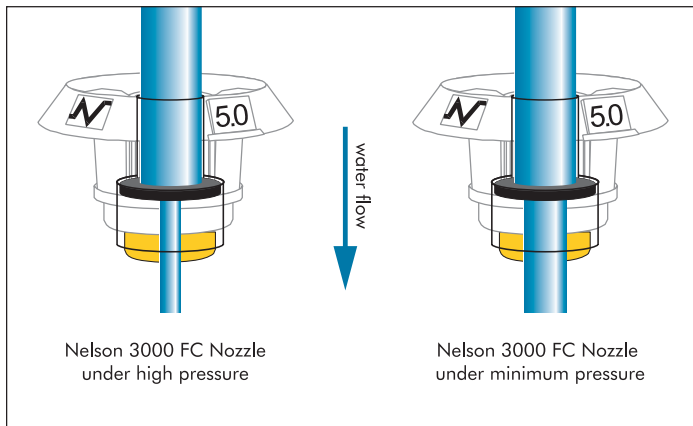
BODY DESIGNED FOR WASTEWATER. The open architecture design of the body allows for debris to pass through more easily, alleviating build up of material on the plate and body.

UP TOP OR ON DROPS. By operating on drop tubes you can distribute effluent more days of the year, keep corrosive water off the pivot structure, eliminate excess wind/pathogen drift, and reduce odor, while also improving accessibility for sprinkler and nozzle cleaning. The T3000 Trash-buster can be configured into either a spray or rotator sprinkler.

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.



> THE T3000 TRASHBUSTER & THE FLOW CONTROL NOZZLE



BENEFITS OF THE 3000FC IN WASTEWATER

The 3000FC Flow Control Nozzle adapts Nelson's patented flow control technology to the 3000 Series sprinkler line. This proven technology uses a flexible orifice which contracts as pressure increases, allowing the flow rate discharge to be held constant, regardless of pressure fluctuations.

The flexible nature of the rubber combines with the relaxation of the orifice at low pressure (i.e. *system start-up and shutdown*) to create a very plug resistant, compensating sprinkler package. **CAUTION! Trash-Buster Sprinklers utilizing the 3000FC nozzle should be mounted on rigid drops.**

3000FC FLOW PERFORMANCE IN GALLONS PER MINUTE*

| PSI | FLOW CONTROL NOZZLE SIZES | | | | | | | | | | | | |
|-----|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.3 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 |
| 25 | 1.88 | 2.28 | 2.87 | 3.14 | 3.58 | 3.92 | 4.49 | 5.12 | 5.54 | 6.46 | 7.35 | 7.88 | 8.75 |
| 30 | 1.97 | 2.37 | 2.96 | 3.26 | 3.72 | 4.07 | 4.64 | 5.30 | 5.78 | 6.64 | 7.67 | 8.20 | 9.13 |
| 35 | 2.04 | 2.46 | 3.02 | 3.37 | 3.84 | 4.20 | 4.76 | 5.44 | 5.98 | 6.80 | 7.92 | 8.46 | 9.45 |
| 40 | 2.09 | 2.52 | 3.06 | 3.45 | 3.94 | 4.29 | 4.87 | 5.56 | 6.15 | 6.93 | 8.11 | 8.67 | 9.69 |
| 45 | 2.13 | 2.58 | 3.08 | 3.52 | 4.02 | 4.35 | 4.95 | 5.66 | 6.29 | 7.04 | 8.24 | 8.83 | 9.86 |
| 50 | 2.14 | 2.62 | 3.07 | 3.57 | 4.08 | 4.37 | 5.01 | 5.73 | 6.40 | 7.12 | 8.30 | 8.94 | 9.95 |
| 55 | 2.14 | 2.64 | 3.04 | 3.59 | 4.11 | 4.36 | 5.05 | 5.77 | | | | | |

3000FC FLOW PERFORMANCE IN LITERS PER MINUTE*

| BAR | FLOW CONTROL NOZZLE SIZES | | | | | | | | | | | | |
|-----|---------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2 | 2.5 | 3 | 3.5 | 4 | 4.3 | 5 | 5.5 | 6 | 7 | 8 | 9 | 10 |
| 1.7 | 7.1 | 8.6 | 10.9 | 11.9 | 13.6 | 14.8 | 17.0 | 19.4 | 21.0 | 24.5 | 27.8 | 29.8 | 33.1 |
| 2.1 | 7.5 | 9.0 | 11.2 | 12.3 | 14.1 | 15.4 | 17.6 | 20.1 | 21.9 | 25.1 | 29.0 | 31.0 | 34.6 |
| 2.4 | 7.7 | 9.3 | 11.4 | 12.8 | 14.5 | 15.9 | 18.0 | 20.6 | 22.6 | 25.7 | 30.0 | 32.0 | 35.8 |
| 2.8 | 7.9 | 9.5 | 11.6 | 13.1 | 14.9 | 16.2 | 18.4 | 21.0 | 23.3 | 26.2 | 30.7 | 32.8 | 36.7 |
| 3.1 | 8.1 | 9.8 | 11.7 | 13.3 | 15.2 | 16.5 | 18.7 | 21.4 | 23.8 | 26.6 | 31.2 | 33.4 | 37.3 |
| 3.4 | 8.1 | 9.9 | 11.6 | 13.5 | 15.4 | 16.5 | 19.0 | 21.7 | 24.2 | 27.0 | 31.4 | 33.8 | 37.7 |
| 3.8 | 8.1 | 10.0 | 11.5 | 13.6 | 15.6 | 16.5 | 19.1 | 21.8 | | | | | |

*Flow data were obtained under ideal test conditions and may be adversely affected by poor hydraulic entrance conditions, turbulence or other factors. Nelson Irrigation makes no representation regarding sprinkler flow rate accuracy under various plumbing and drop pipe conditions. The tabulated values are based on the average of flow rates measured with rising and falling pressures. The flows indicated in the table are specific to the normal operating range of the 3000FC nozzle. The results should not be used to predict performance of Flow Control in other sprinklers or at other pressures. 3000FC nozzle flow rates will have some variability over time and under different application conditions. Flow rate accuracy is $\pm 10\%$ of the tabulated values.

WARRANTY AND DISCLAIMER: Nelson T3000 Trashbusters 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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