

R10 Turbo & R2000


ROTATOR[®]

Irrigating Bananas



R10 Turbo



The relatively lower cost of an R10 Turbo makes higher sprinkler densities more affordable, while the new water distribution performance reduces the negative impact of obstruction.



R2000



The R2000 can be used with a PVC adapter, lock and screw to lock the Rotator onto the riser. If stolen, the R2000 has a type of thread that is not commercially available, therefore cannot be used with commonly available adapters.

Rotator[®] Sprinkler Technology

- **Proven reliability and long life.** Rotator technology is field-proven since 1987.
- **Resistant to wear.** No seals or bearings are exposed to water pressure so sprinklers work even in abrasive water conditions.
- **Slow and smooth rotation.** With no drive arm there is no riser vibration to fatigue buried PVC fittings.
- **Optimal stream integrity.** Streams are less aggressive and cause less plant damage than impact sprinklers.
- **Compact design.** With no drive arm to get in the way, Rotator sprinklers are less susceptible to breakage from falling debris.
- **Reliable rotation.** The rotating mechanism is inside the sprinkler therefore weeds are less likely to interfere with operation compared to other types of sprinklers.

Rotator option for irrigating bananas:

- The **R10T P8 15°** is an economic option for spacings up to 33' x 33'.
- The **R2000 K3 15°**, **K4 15°** or **K5 15°** offer top of the line features for spacings up to 40' x 40'.

Engineered Uniformity

The **R10T P8 15°** provides uniform water application by diffusing the stream of water sufficiently to spread the water across the radius of throw. The **R2000** uses a pure groove to provide a tight stream for excellent radius of throw. A diffuser interrupts this stream to create exceptional uniformity in the field. Growers are consistently amazed at the uniform growth of new banana plantations irrigated by Rotators.

R10T Plate/Nozzle Options & Flow Performance in GPM

Plate Options	Recommended Nozzles	PSI				
		30	35	40	45	50
P8 15° Gold Radius: 25-29' Stream Height: 36-42" 	 Orange #86	1.17	1.27	1.36	1.45	1.53
	 Purple #94	1.39	1.50	1.61	1.70	1.80
	 Yellow #102	1.64	1.78	1.90	2.02	2.13
	1.25 10 FC	1.25 10 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (1.25 GPM). 1.5 10 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (1.5 GPM). Use above 30 PSI.				
	1.5 10 FC					

R2000 Plate/Nozzle Options & Flow Performance in GPM

Plate Options	Recommended Nozzles	PSI							
		30	35	40	45	50	55	60	
K3 15° Red Radius: 27-31' Stream Height: 37-45" 	 Orange #11	1.17	1.27	1.36	1.45	1.53	1.61	1.68	
	 Purple #12	1.39	1.50	1.61	1.70	1.80	1.89	1.98	
	1.25 2000 FC	1.25 2000 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (1.25 GPM). 1.5 2000 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (1.5 GPM).							
K4 15° Gold Radius 29-33' Stream Height: 31-43" 	 Yellow #13	1.64	1.78	1.90	2.02	2.13	2.23	2.34	
	 Green #14	1.85	2.00	2.15	2.28	2.40	2.53	2.64	
	1.5 2000 FC	1.5 2000 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (1.5 GPM). 2.0 2000 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (2.0 GPM).							
K5 15° Tan Radius: 31-34' Stream Height: 32-41" 	 Tan #15	2.17	2.35	2.53	2.67	2.82	2.97	3.11	
	 Dark Red #16	2.50	2.70	2.89	3.07	3.23	3.40	3.54	
	2.5 2000 FC	2.5 2000 FC flow control nozzles are flow regulating within a flow range of no more than 3.5% greater and 8% less than the nominal flow (2.5 GPM).							

Rotator® sprinklers have a full line of accessories available including:

- Mounting options to PVC or PE pipe (see FT4 Feedtube on the right).
- Road Guard to keep water off drive rows.
- Flush Tool for nozzle cleaning.
- Security Lock (see other side).
- Pressure measurement assemblies.

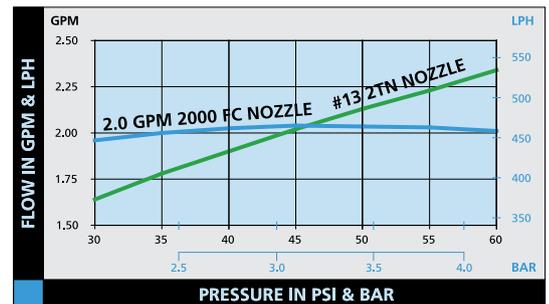
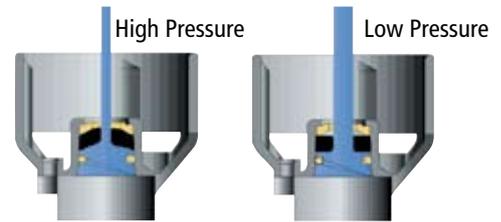


WARRANTY AND DISCLAIMER: Nelson Rotators®, Feedtube Assemblies, and accessories are warranted for one year from the date of original sale to be free of defective material and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from any 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.

Rotator® is a registered trademark of Nelson Irrigation Corporation. Products in this brochure may be covered by one or more of the following U.S. Patent Numbers 4,796,811, 5,058,806, 5,372,307, 5,671,886, 5,823,580, 5,875,815, DES312,865, RE33,823 and other U.S. Patents pending or corresponding issued or pending foreign patents.

Flow Control Nozzle Options

The Flow Control Nozzle ensures every sprinkler delivers the same flow. It is a great option for areas with large elevation difference or where it is difficult to maintain even pressure within an irrigation block. The 2000FC nozzles illustrated below are operating at the same flow. As pressure increases, the flexible flow washers reduce the orifice opening size giving a constant flow over a wide range of pressure.



FT4 Feedtube

Part #9752-036 (assembled, does not include stake)



- #9677 Steel Stake Adapter Acme Thread
- #9099-036 10 mm Flexible PVC Feedtube Length = 36" O.D. = .505" I.D. = .355" Bulk Coils #9099 500'
- #9725-024 8 mm Steel Stake 24" or #10160 8 mm Fiberglass Stake 24"
- #9774 LTO 10 mm Compression x 7 mm Barb

For FT4 use Punch Tool #9810 or Drill Tool #9835-002.




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