



Rotator® Sprinkler Technology for the Future

Field-proven technology

NOW AVAILABLE ... THE NEW

R33 ROTATOR®

A direct replacement for 3/4" brass impact sprinklers



BETTER THAN BRASS

- Better uniformity
- Easy to repair
- Easy to clean
- Long wear life
- Lower cost
- Proven technology



NEW! R33 Rotator®

Please e-mail us at info@nelsonirrigation.com for product details and availability.

The most trusted, high quality products continue to come from Nelson. The NEW! R33 Rotator® provides the longest throw distance and greatest flow in the Rotator Family of sprinklers. It is ideal for side roll (wheel line), portable pipe, or permanent set applications for the irrigation of all types of crops including forage crops, vegetables, grains, pastures, and tree & vine crops. It is a direct replacement for 3/4" impact sprinklers with the same nozzle sizes.

The R33 Rotator® utilizes Nelson's proven Rotator technology with new advancements in speed control. Nelson's break through design allows the sprinkler to move from slow mode back to fast mode throughout its rotation. By reducing the speed of rotation intermittently, a wind-fighting water pattern with maximum throw distance is produced. The fast mode assists in filling out the water pattern for high uniformity. The result is **superior technology, unmatched performance.**

Plate/Nozzle Options and Flow Performance in GPM and LPH

US UNITS		Pressure in PSI											
Model / Plate	33TN Nozzle	40		45		50		55		60		65	
		GPM	R	GPM	R	GPM	R	GPM	R	GPM	R	GPM	R
R33 Gold 18	Gold 9/64"	3.64	44	3.86	45	4.07	45	4.27	45	4.46	46	4.65	45
R33 Brown 20	Brown 5/32"	4.45	46	4.72	47	5	48	5.22	48	5.45	48	5.68	47
R33 Gray 22	Gray 11/64"	5.37	48	5.7	49	6.01	50	6.3	50	6.57	49	6.83	48
R33 Green 24	Green 3/16"	6.38	49	6.78	50	7.16	51	7.52	51	7.85	51	8.18	50

METRIC UNITS		Pressure in Bar															
Model / Plate	Nozzle	2.75		3.00		3.25		3.50		3.75		4.00		4.25		4.50	
		LPH	RAD	LPH	RAD	LPH	RAD	LPH	RAD	LPH	RAD	LPH	RAD	LPH	RAD	LPH	RAD
R33 Gold 18	Gold 3.6 mm	825	13.4	862	13.6	897	13.7	931	13.7	964	13.7	996	14	1027	14	1058	13.7
R33 Brown 20	Brown 4.0 mm	1009	14	1054	14.2	1099	14.5	1143	14.6	1179	14.7	1217	14.6	1255	14.5	1293	14.3
R33 Gray 22	Gray 4.4 mm	1218	14.6	1272	14.8	1325	15.1	1375	15.2	1423	15.2	1468	15	1511	14.8	1554	14.6
R33 Green 24	Green 4.8 mm	1447	14.9	1513	15.2	1577	15.4	1639	15.5	1698	15.5	1753	15.5	1807	15.5	1862	15.2

ALL DATA IS PRELIMINARY. 33TN nozzle color should always match the plate color.

R = radius in feet and RAD = radius in meters — measured indoors in no wind conditions with R33 plates mounted 18 inches (.46 m) above collection cups. The absence of flow data and radius data on the chart for a particular plate/nozzle combination indicates the pressure is outside the recommended range.

WARRANTY AND DISCLAIMER: Nelson R33 Rotators 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.

This product may be covered by one or more of the following U.S. Patent Numbers 5,372,307 and 5,971,297 and other U.S. Patents pending or corresponding issued or pending foreign patents.



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