

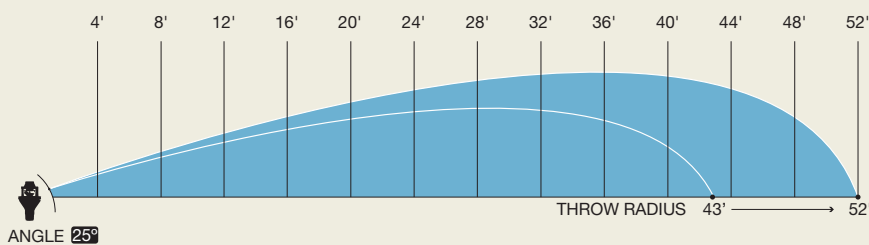


R33NV / R33LP-NV

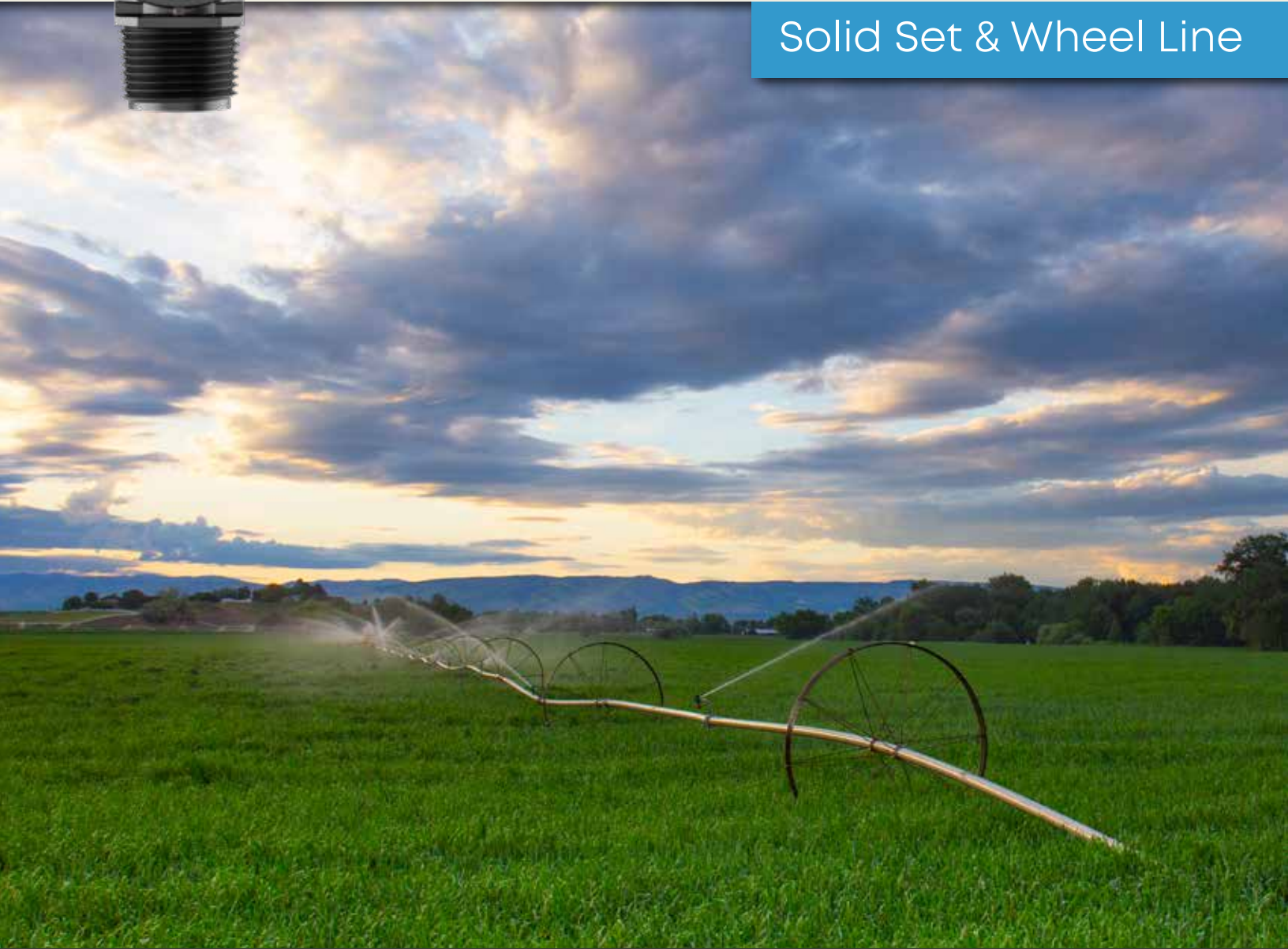
Field-Proven Rotator® Technology



25-65 PSI
 (1.75-4.5 BAR)
 39-52' RAD.
 (12-16 M)
 2.8-11.0 GPM
 (638-2524 LPH)



Solid Set & Wheel Line



ROTATOR® TECHNOLOGY BETTER THAN BRASS

R33NV & R33LP-NV Rotators continue the standard of performance and value from Nelson Irrigation and Rotator® Technology in a 3/4" sprinkler. The new 3NV incorporates a multi-function nozzle for nozzle flush, line flush, shutoff - all without removing the nozzle.

- HIGH UNIFORMITY
- EASY TO CLEAN
- EASY TO REPAIR
- LONG WEAR LIFE
- NO RISER VIBRATION
- NO SEALS UNDER PRESSURE
- REPLACE IMPACT SPRINKLERS
- REDUCE THEFT



Rotator® sprinklers on blueberries in the Willamette Valley, Oregon.



The Road Guard (#11363) easily snaps on to convert the R33-NV and R33LP-NV to part-circle operation. Best edge-of-field solution to prevent watering on adjacent roads and fields.

The Cap Assembly Removal Tool (#13930) makes alterations a snap.



CAP ASSEMBLY



R33 Cap (Black)
R33LP Cap (Green)



Motor
(See table)



Diffuser
(See table)

Retainer
#11039



Plate
(See table)

BODY ASSEMBLY



*Out with the old, in with the new.
R33-NV obsoletes brass impacts.*

SYSTEM TYPES INCLUDE:
Portable aluminum, polyethylene, and PVC pipe; wheel lines and permanent solid set systems.

APPLICATIONS INCLUDE:
Irrigation of all types of crops including forage crops, vegetables, grain and pastures. Overhead irrigation, cooling and environmental control for nursery crops, tree, vine, small fruit and berries. Also suitable for revegetation, mining and other specialty uses.



The R33-NV is available in a low pressure model (the R33LP-NV). This is designated by a green cap.

R33-NV & R33LP-NV PARTS

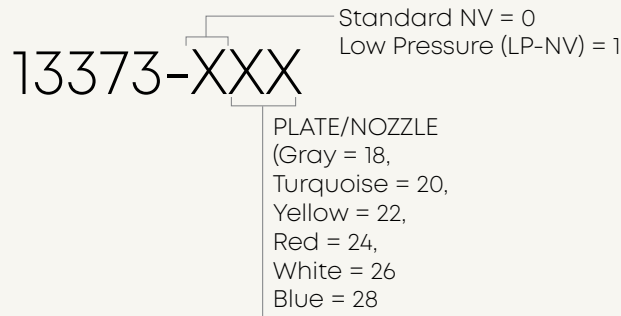
PLATE	NOZZLE	LEGACY 33TN NOZZLE/PLATE COLORS	BODY ASSY	R33-NV CAP/PLATE ASSEMBLY	R33LP-NV CAP/PLATE ASSEMBLY	R33-NV FULL ASSEMBLY	R33LP-NV FULL ASSEMBLY
#18 Gray 2965-018	Gray (9/64") 12035-018	Gold	14010-018	13422-018	13422-118	13373 -018 (Black Diffuser, Gray Motor)	13373 -118 (Purple Diffuser, Green Motor)
#20 Turquoise 12965-020	Turquoise (5/32") 12035-020	Brown	14010-020	13422-020	13422-120	13373 -020 (Black Diffuser, Gray Motor)	13373 -120 (Purple Diffuser, Green Motor)
#22 Yellow 12965-022	Yellow (11/64") 2035-022	Gray	14010-022	13422-022	13422-122	13373 -022 (Black Diffuser, Ivory Motor)	13373 -122 (Green Diffuser, Purple Motor)
#24 Red 12965-024	Red (3/16") 2035-024	Green	14010-024	13422-024	13422-124	13373 -024 (Black Diffuser, Ivory Motor)	13373 -124 (Green Diffuser, Purple Motor)
#26 White 12965-026	White (13/64") 2035-026	Maroon	14010-026	13422-026	13422-126	13373 -026 (Gray Diffuser, Ivory Motor)	13373 -126 (Green Diffuser, Purple Motor)
#28 Blue 12965-028	Blue (7/32") 12035-028	Blue	14010-028	13422-028	13422-128	13373 -028 (Gray Diffuser, Ivory Motor)	13373 -128 (Green Diffuser, Purple Motor)

The R33NV and R33LP-NV motors, plates, and diffusers have been updated to improve reliability and uniformity. The components (motor, diffuser, plate) of cap assemblies from old versions and new versions should not be mixed. WE RECOMMEND THAT THE R33-NV & R33LP-NV BE STOCKED AND PURCHASED AS A FULL ASSEMBLY. PLEASE ORDER ALL OTHER PARTS FOR THE PURPOSE OF REPAIRS ONLY.



R33NV & R33LP-NV

PART NUMBERS & PERFORMANCE



U.S. UNITS (FLOW IN GPM)

METRIC UNITS (FLOW IN LPH)

PLATE & 3NV NOZZLE COMBO	MODEL & RADIUS IN FEET	PSI									MODEL & RADIUS IN METERS	BAR							
		25	30	35	40	45	50	55	60	65		1.75	2.0	2.5	2.75	3.0	3.5	4.0	4.5
#18 Gray (9/64")	R33LP 39-42'	2.8	3.0	3.3	3.5	3.7*	3.9*	—	—	—	R33LP 12.0-13.0 m	638	671	751	787	822	900*	—	—
	R33 43'	—	—	—	3.5	3.7	3.9	4.1	4.3	4.5	R33 13.0 m	—	—	—	787	822	900	963	1021
#20 (5/32") Turquoise	R33LP 40-42'	3.5	3.8	4.1	4.4	4.7*	4.98	—	—	—	R33LP 12.0-12.75 m	799	842	942	988	1032	1129*	—	—
	R33 44-45'	—	—	—	4.4	4.7	4.9	5.1	5.4	5.6	R33 13.5-13.75 m	—	—	—	988	1032	1129	1207	1280
#22 Yellow (11/64")	R33LP 42-45'	4.2	4.6	4.9	5.3	5.6	5.9	—	—	—	R33LP 12.75-13.75	961	1010	1130	1186	1238	1357	—	—
	R33 46-47'	—	—	—	5.3	5.6	5.9	6.2	6.5	6.7	R33 14.0-14.25 m	—	—	—	1186	1238	1357	1451	1539
#24 Red (3/16")	R33LP 43-46'	5.0	5.5	5.9	6.3	6.7	7.1	—	—	—	R33LP 13.0-14.0	1149	1212	1354	1420	1483	1627	—	—
	R33 47-50'	—	—	—	6.3	6.7	7.1	7.4	7.7	8.0	8.4	—	—	—	1420	1483	1627	1739	1844
#26 White (13/64")	R33LP 43-47'	5.9	6.4	6.9	7.4	7.8	8.3	—	—	—	R33LP 13.25-14.5	1348	1421	1587	1665	1739	1907	—	—
	R33 49-50'	—	—	—	7.4	7.8	8.3	8.7	9.1	9.4	R33 15.0-15.25	—	—	—	1665	1739	1907	2039	2163
#28 Blue (7/32")	R33LP 45-47'	6.8	7.5	8.1	8.6	9.2	9.7	—	—	—	R33LP 13.75-14.25	1574	1658	1854	1944	2031	2226	—	—
	R33 51-52'	—	—	—	8.6	9.2	9.7	10.1	10.6	11.0	R33 15.5-16.0	—	—	—	1944	2031	2226	2379	2524

*Flow and radius data highlighted in gray for a particular plate/nozzle combination indicates that the pressure is outside the recommended range for uniformity-sensitive applications. The absence of data for a particular model/plate/nozzle combination indicates the pressure is outside the recommended range. Measured indoors in no wind with plates mounted 18 inches (0.46 meters) above collection cups. GPM = gallons per minute. LPH = liters per hour.



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WARRANTY AND DISCLAIMER: Nelson R33-NV/R33LP-NV Rotator® Sprinklers are warranted for one year from the date of the 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.

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