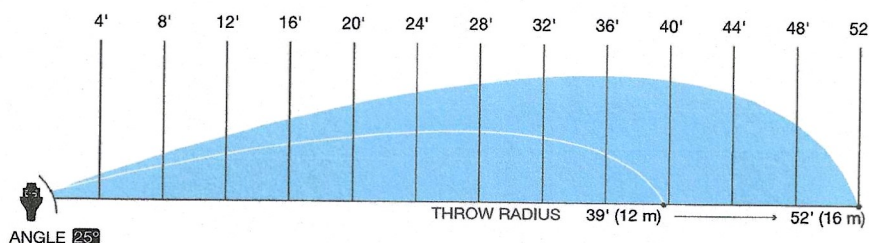


2.9-11.3 GPM
660-2574 LPH

R33/R33LP

Field-Proven Rotator® Technology



Solid Set & Wheel Line



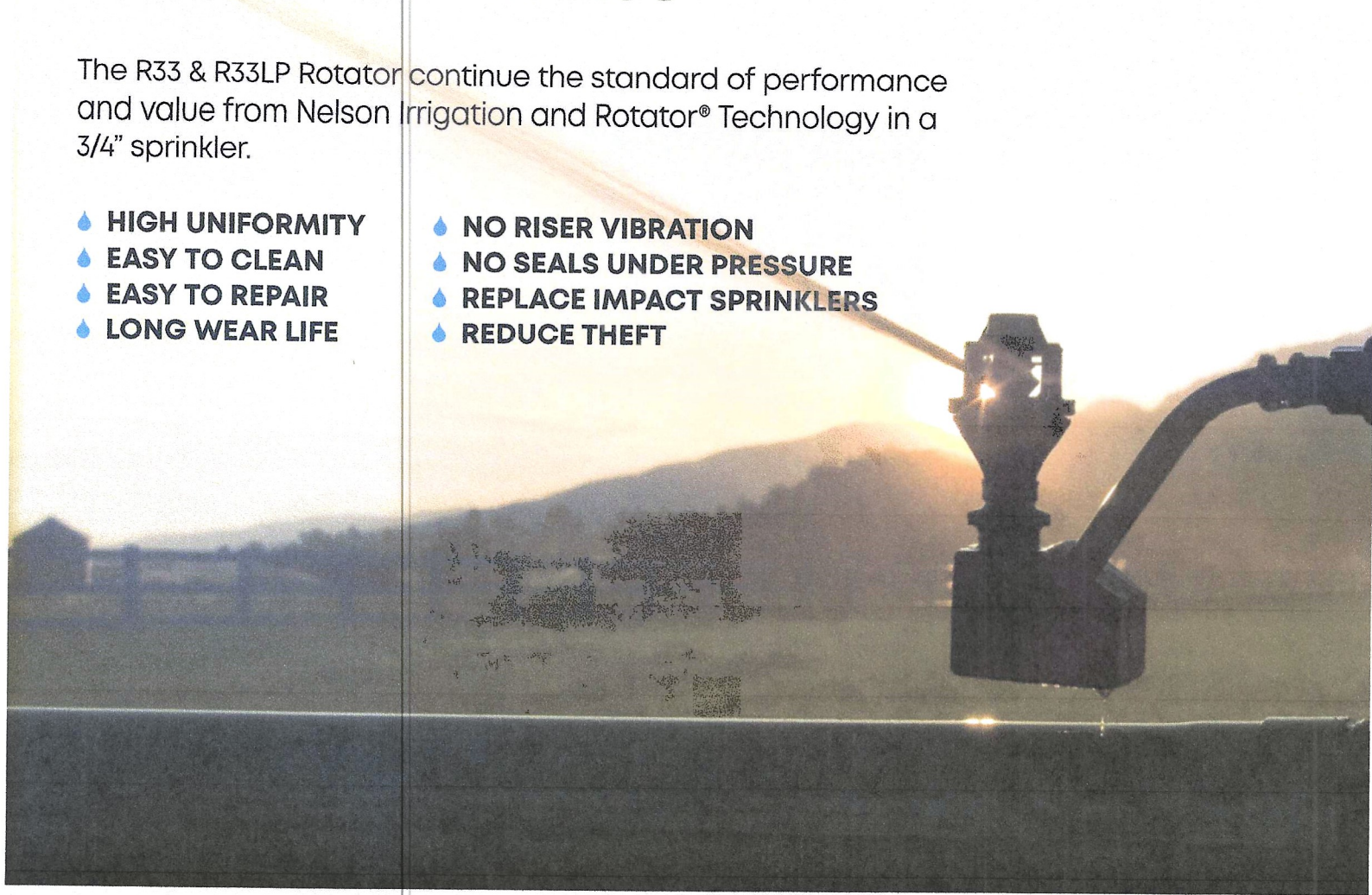
Save water, save energy, save labor and do a better job of irrigating.
nelsonirrigation.com

ROTATOR® TECHNOLOGY

BETTER THAN BRASS

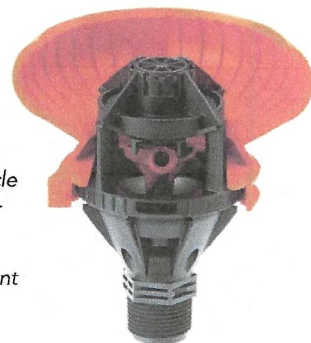
The R33 & R33LP Rotator continue the standard of performance and value from Nelson Irrigation and Rotator® Technology in a 3/4" sprinkler.

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



R33 Rotator® sprinklers on blueberries in the Willamette Valley, Oregon.

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



The Flush Tool (Short #11161-001 and Long #11161-002) can be used to disconnect and reconnect the sprinkler for nozzle cleaning while under pressure without getting the irrigator soaked.



R33LP
(#13430-1128)

R33/R33LP PART NUMBERS & PERFORMANCE

ASSEMBLED R33/R33LP CAP, BODY, + **ADAPTER**

13430-XXXX
MODEL
Standard = 10
Low Pressure = 11













NOZZLE
(e.g. Gold = 18,
Brown = 20,
4.0 33FC = 40,
5.0 33FC = 50)

ASSEMBLED R33/R33LP CAP, BODY, **NO ADAPTER**

13423-XXX
MODEL
Standard = 0
Low Pressure = 1



NOZZLE
(e.g. Gold = 18,
Brown = 20,
4.0 33FC = 40,
5.0 33FC = 50)

U.S. UNITS (FLOW IN GPM)

PLATE	NOZZLE	MODEL & RADIUS IN FEET	PSI									
			25	30	35	40	45	50	55	60	65	
	#18 Gold Gold (9/64")		R33LP 39-42'	2.9	3.2	3.4	3.6	3.9	4.1	—	—	—
			R33 43'	—	—	—	3.6	3.9	4.1	4.3	4.5	4.6
	#20 Brown Brown (5/32")		R33LP 40-42'	3.5	3.9	4.2	4.5	4.7	5.0	—	—	—
			R33 44-45'	—	—	—	4.5	4.7	5.0	5.2	5.5	5.7
	#22 Gray Gray (11/64")		R33LP 42-45'	4.2	4.6	5.0	5.4	5.7	6.0	—	—	—
			R33 46-47'	—	—	—	5.4	5.7	6.0	6.3	6.6	6.8
	#24 Green Green (3/16")		R33LP 43-46'	5.0	5.5	6.0	6.4	6.8	7.2	—	—	—
			R33 47-50'	—	—	—	6.4	6.8	7.2	7.5	7.9	8.2
	#26 Maroon Maroon (13/64")		R33LP 43-47'	5.9	6.5	7.0	7.6	8.0	8.4	—	—	—
			R33 49-50'	—	—	—	7.6	8.0	8.4	8.8	9.2	9.5
	#28 Blue Blue (7/32")		R33LP 45-47'	7.0	7.6	8.2	8.8	9.4	9.9	—	—	—
			R33 51-52'	—	—	—	8.8	9.4	9.9	10.4	10.9	11.3

METRIC UNITS (FLOW IN LPH)

MODEL & RADIUS IN METERS	BAR							
	1.75	2.0	2.5	2.75	3.0	3.5	4.0	4.5
R33LP 12.0-13.0 m	660	703	786	825	863	931	—	—
R33 13.0 m	—	—	—	824	862	932	997	1057
R33LP 12.0-12.75 m	806	859	962	1009	1055	1144	—	—
R33 13.5-13.75 m	—	—	—	1009	1055	1141	1220	1291
R33LP 12.75-13.75 m	971	1036	1159	1217	1273	1376	—	—
R33 14.0-14.25 m	—	—	—	1217	1273	1376	1469	1553
R33LP 13.0-14.0 m	1147	1226	1376	1446	1514	1640	—	—
R33 14.25-14.75 m	—	—	—	1446	1514	1640	1755	1859
R33LP 13.25-14.5 m	1352	1449	1629	1712	1790	1931	—	—
R33 15.0-15.25 m	—	—	—	1712	1790	1931	2052	2154
R33LP 13.75-14.25 m	1590	1699	1905	2002	2095	2270	—	—
R33 15.5-16.0 m	—	—	—	2002	2095	2270	2430	2574

	#20 Brown	4.0 33FC Flow Control
	#22 Gray	5.0 33FC Flow Control

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.

R33 & R33LP with Flow Control Nozzle Nominal flow rates:

4.0 33FC Nozzle = 4 GPM (909 LPH)

5.0 33FC Nozzle = 5 GPM (1136 LPH)

Call factory for further performance details.



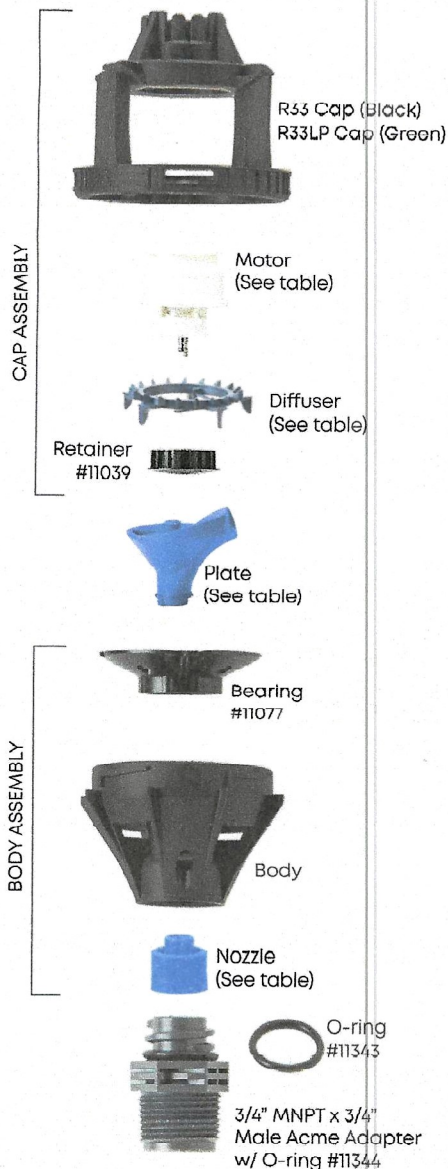
Nelson Irrigation Corporation
848 Airport Road
Walla Walla, WA 99362, USA
Tel: +1 509-525-7660
nelsonirrigation.com
info@nelsonirrigation.com

Nelson Australia
20 Macadam Street
Seventeen Mile Rocks, QLD 4073
Tel: +61 7 3715 8555
nelsonirrigation.com.au
info@nelsonirrigation.com.au

WARRANTY AND DISCLAIMER:

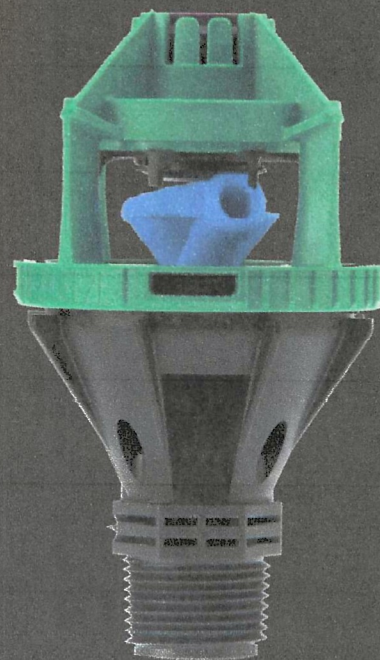
Nelson R33/R33LP Rotator® Sprinklers are warranted for one year from the date of the original sale to be free of defective material and workmanship when used within the working specifications for which the products were designed and under normal use and service. The manufacturer assumes no responsibility 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.

This product may be covered by one or more of the following U.S. Patent Numbers 4796811, RE33823, DES312865, 5372307, 5971297, 7584904 and other U.S. Patents pending or corresponding issued or pending foreign patents.









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 is also available in a low pressure model (the R33LP). This is designated by a green cap.

R33/R33LP PARTS (SEE PAGE 4 FOR COMPLETE ASSEMBLIES)

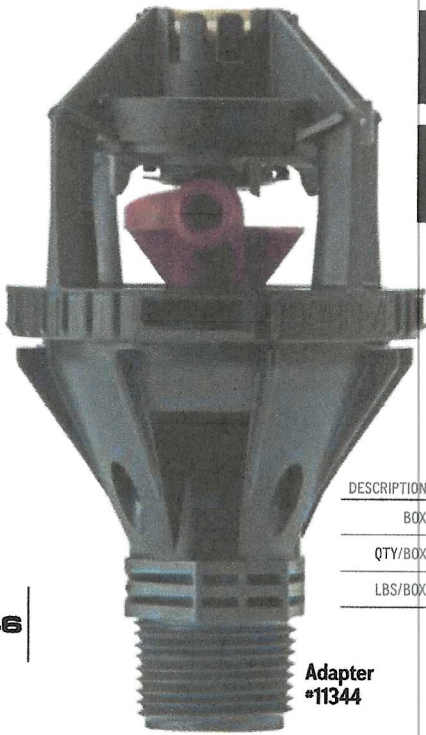
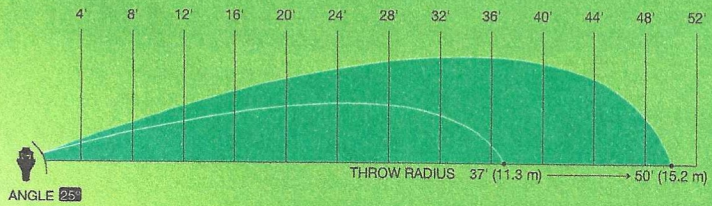
PLATE & NOZZLE COMBO	PLATE	NOZZLE	BODY ASSY	R33			R33LP		
				CAP ASSY	DIFFUSER	MOTOR	CAP ASSY	DIFFUSER	MOTOR
	12965-018	11078-018	13427-018	Black 13421-001	Black 13103	Dark Gray 13420-001	Green 13421-005	Purple 13442	Green 13420-004
	12965-020	11078-020	13427-020	Black 13421-003		Ivory 13420-003	Green 13421-008	Dark Green 13235	Purple 13420-002
	12965-022	11078-022	13427-022						
	12965-024	11078-024	13427-024	Black 13421-004	Dark Gray 13102				
	12965-026	11078-026	13427-026						
	12965-028	11078-028	13427-028						
Brown/4 OPM Flow Control	12965-020	NA	13378-040	Black 13421-001	Black 13103	Dark Gray 13420-001	Green 13421-005	Purple 13442	Green 13420-004
Gray/3 OPM Flow Control	12965-022	NA	13378-040	Black 13421-003	Black 13103	Ivory 13420-003	Green 13421-007	Purple 13442	Purple 13420-002

The R33 and R33LP 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 & R33LP BE STOCKED AND PURCHASED AS A FULL ASSEMBLY. PLEASE ORDER ALL OTHER PARTS FOR THE PURPOSE OF REPAIRS ONLY.

FULL COVERAGE IRRIGATION / ROTATOR® SPRINKLERS

DIRECT 3/4" IMPACT REPLACEMENT

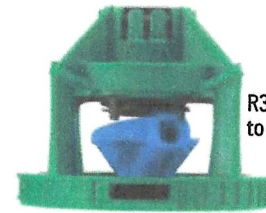
While brass sprinklers are prone to damage, clogging and theft, the R33 is easy to clean, easy to repair and costs less to replace. Without a drive arm, the sprinkler creates no riser vibration. It also has a long wear life because no seals or bearings are exposed to water pressure. The R33 is also available in a low pressure model, the R33LP.



R33 / R33LP Sprinkler Assembly & Adapter	
DESCRIPTION	
BOX	12x12x11"
QTY/BOX	50
LBS/BOX	11

Adapter
#11344

R33 AND R33LP



R33LP now has easy to identify green cap.

The R33 and R33LP motors, plates, and diffusers have been updated to improve reliability and uniformity. The nozzles have not been changed, therefore, flow rates remain unchanged. Because flow rates are the same and there are only slight changes to radius, there will not be a decrease in uniformity if old versions of the R33 and R33LP are mixed with new versions and they operate side by side in the field. However, the components (motor, diffuser, plate) of cap assemblies from old versions and new versions should not be mixed. **WE RECOMMEND THAT THE R33 & R33LP BE STOCKED AND PURCHASED AS A FULL ASSEMBLY. PLEASE ORDER ALL OTHER PARTS FOR THE PURPOSE OF REPAIRS ONLY.**

PLATE	NOZZLE	ASSEMBLED R33 CAP, BODY & ADAPTER	ASSEMBLED R33LP CAP, BODY & ADAPTER	ASSEMBLED R33 CAP, BODY (NO ADAPTER)	ASSEMBLED R33LP CAP, BODY (NO ADAPTER)
#18 Gold 12965-018	Gold (9/64") 11078-018	13430-1018 (Black Diffuser, Gray Motor)	13430-1118 (Purple Diffuser, Green Motor)	13423-018 (Black Diffuser, Gray Motor)	13423-118 (Purple Diffuser, Green Motor)
#20 Brown 12965-020	Brown (5/32") 11078-020	13430-1020 (Black Diffuser, Gray Motor)	13430-1120 (Purple Diffuser, Green Motor)	13423-020 (Black Diffuser, Gray Motor)	13423-120 (Purple Diffuser, Green Motor)
#22 Gray 12965-022	Gray (11/64") 11078-022	13430-1022 (Black Diffuser, Ivory Motor)	13430-1122 (Green Diffuser, Purple Motor)	13423-022 (Black Diffuser, Ivory Motor)	13423-122 (Green Diffuser, Purple Motor)
#24 Green 12965-024	Green (3/16") 11078-024	13430-1024 (Black Diffuser, Ivory Motor)	13430-1124 (Green Diffuser, Purple Motor)	13423-024 (Black Diffuser, Ivory Motor)	13423-124 (Green Diffuser, Purple Motor)
#26 Maroon 12965-026	Maroon (13/64") 11078-026	13430-1026 (Gray Diffuser, Ivory Motor)	13430-1126 (Green Diffuser, Purple Motor)	13423-026 (Gray Diffuser, Ivory Motor)	13423-126 (Green Diffuser, Purple Motor)
#28 Blue 12965-028	Blue (7/32") 11078-028	13430-1028 (Gray Diffuser, Ivory Motor)	13430-1128 (Green Diffuser, Purple Motor)	13423-028 (Gray Diffuser, Ivory Motor)	13423-128 (Green Diffuser, Purple Motor)
#20 Brown 12965-020	4 GPM Flow Control	13430-1040 (Black Diffuser, Gray Motor)	13430-1140 (Purple Diffuser, Green Motor)	13423-040 (Black Diffuser, Gray Motor)	13423-140 (Purple Diffuser, Green Motor)
#22 Gray 12965-022	5 GPM Flow Control	13430-1050 (Gray Diffuser, Ivory Motor)	13430-1150 (Purple Diffuser, Purple Motor)	13423-050 (Gray Diffuser, Ivory Motor)	13423-150 (Purple Diffuser, Purple Motor)



R33/R33LP FLUSH TOOL



R33/R33LP ROAD GUARD



R33/R33LP 3/4" MNPT ADAPTER



33TN NOZZLE REMOVAL TOOL



DIFFUSER/MOTOR INSTALLATION/REMOVAL TOOL

DESCRIPTION	11161-001	11161-002	11363	11344	11473	11478
PART NO.	11161-001	11161-002	11363	11344	11473	11478
	(Short)	(Long)				