



# R55 End of Pivot Sprinkler

## Sprinkler Technology for the Future

### Performance

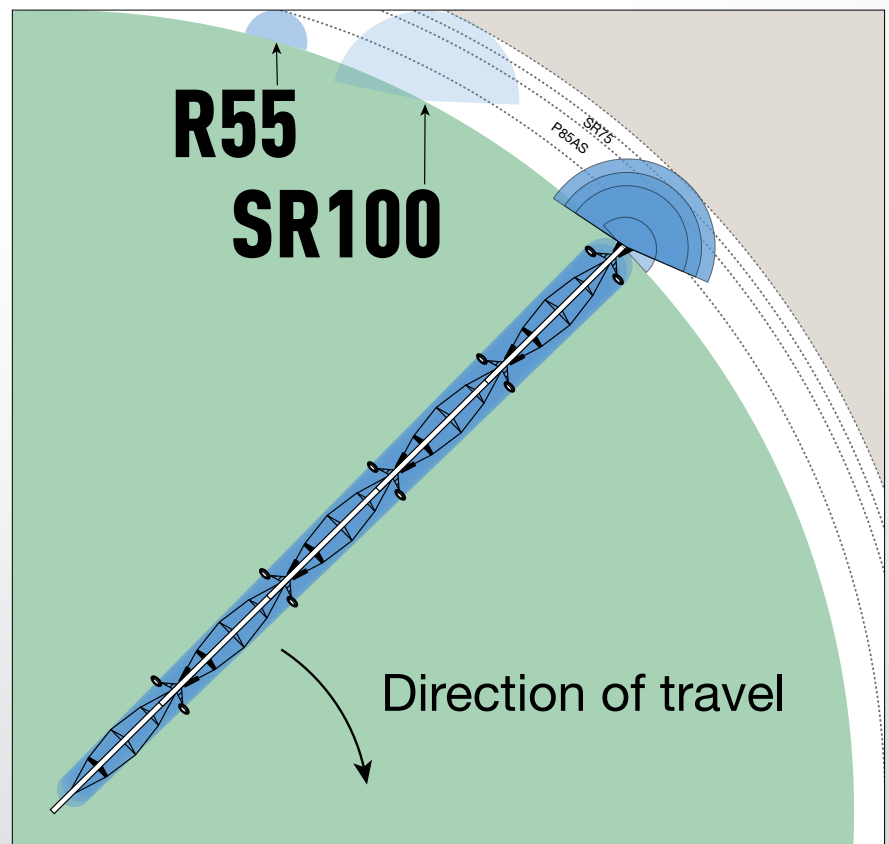
- **LOW PRESSURE (15-40 PSI / 1-2.8 bar)**
  - *No booster pump required.*
- **UP TO 55' (16.8 m) RADIUS**
  - *Up to 10 acres (4.05 ha) irrigating full circle on a ¼ mile (0.4 km) pivot.*
- **COST EFFECTIVE**
  - *Costs 50% less than traditional brass impacts.*
  - *Irrigate more ground with less money.*
- **VERSATILE**
  - *Operate continuously, corners only, alone or as a secondary end gun.*
- **UNIFORMITY**
  - *Fills in the pattern of high-volume end guns.*
- **EFFICIENCY**
  - *Low trajectory streams and large droplets penetrate the wind and resist evaporation and drift.*



No other **END OF PIVOT SPRINKLER** works in the low pressure range of **15-40 PSI** and provides up to 10 additional irrigated acres (on a 1/4 mile pivot).

### Features

- **NELSON ROTATOR® TECHNOLOGY**
  - *Field-proven reliability, 25+ years.*
- **WEAR-RESISTANT PLATE**
  - *For abrasive end-of-system water.*
- **FOUR COLOR-CODED NOZZLES**
  - *Match system gpm/acre.*
- **DURABLE CAST ALUMINUM BODY**
- **EASY TO INSTALL**
  - *Standard 1 ¼" threads replace brass impacts.*
  - *Angle markers to help align the sprinkler.*
- **EASY TO MAINTAIN**
  - *Separate the nozzle from the body by pulling the pin(s).*



# R55

## END OF PIVOT SPRINKLER

Today, irrigating valuable land in the corners of pivots provides quick payback. Nelson's engineers are providing innovations to make this even easier and with improved performance.

	<b>R55</b>	<b>P85AS</b>	<b>SR75</b>	<b>SR100</b>
	<b>40-55'</b>	<b>50-70'</b>	<b>70-90'</b>	<b>90-120'</b>
	(12-16.8 m) @	(15-21 m) @	(21-28 m) @	(28-37 m) @
	<b>15-40 PSI</b>	<b>30-60 PSI</b>	<b>25-80 PSI</b>	<b>40-80 PSI</b>
	(1.0-2.8 bar)	(2.1-4.2 bar)	(1.7-5.5 bar)	(2.8-5.5 bar)

### INSTALLATION INSTRUCTIONS

To assemble the R55, **(1)** place the body on the nozzle while aligning the notch in the body to the corresponding notch on the nozzle. Then, **(2)** slide the pin(s)\* into the hole(s) to secure parts.

**1**

1 1/4" MNPT (black) or MBSP (gray)

**\*Number of Pins**

Use two pins if there are indentations on both sides of the nozzle

Use one pin if there is only one indentation on the nozzle

**OPERATING PRESSURE MUST BE 15-40 PSI (1-2.75 BAR)**

6"

Drain Required

**AVOID TURBULENT CONFIGURATIONS**

### PRELIMINARY PERFORMANCE (U.S. UNITS)

Pressure (psi)	#60 Red Nozzle		#70 Yellow Nozzle		#80 Green Nozzle		#90 Blue Nozzle	
	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)
15	27.7	41	36.6	42	45.2	42	52.0	44
20	31.8	44	41.8	45	51.7	45	59.7	48
25	35.5	48	46.7	48	57.7	49	66.7	52
30	38.9	49	51.1	50	63.1	51	73.2	53
35	42.1	50	55.1	51	68.2	53	79.0	54
40	44.9	50	58.8	51	72.7	54	84.3	55

### PRELIMINARY PERFORMANCE (METRIC UNITS)

Pressure (bar)	#60 Red Nozzle		#70 Yellow Nozzle		#80 Green Nozzle		#90 Blue Nozzle	
	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)
1.00	6.2	12.2	8.2	12.5	10.1	12.5	11.6	13.4
1.25	6.9	13.1	9.1	13.4	11.2	13.4	12.9	14.3
1.50	7.5	14.0	9.9	14.0	12.2	14.3	14.1	14.9
1.75	8.1	14.6	10.7	14.6	13.2	14.9	15.3	15.5
2.00	8.7	14.9	11.4	15.2	14.1	15.5	16.3	16.2
2.50	9.7	15.2	12.7	15.5	15.7	16.2	18.3	16.8
2.75	10.2	15.2	13.3	15.5	16.5	16.5	19.1	16.8

**WARRANTY AND DISCLAIMER:** Nelson R55A End of Pivot Sprinklers 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.

