



Solutions for Mechanized Irrigation

END OF SYSTEM

SPRINKLERS IN THE RANGE OF 40-70' (12-21 M)



R55



R75

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

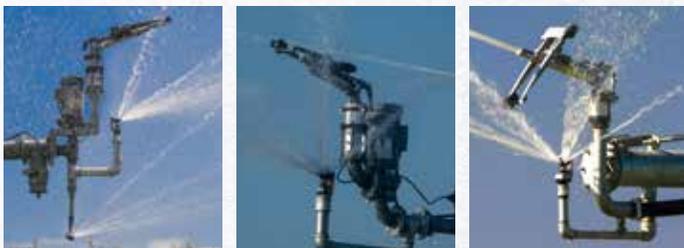
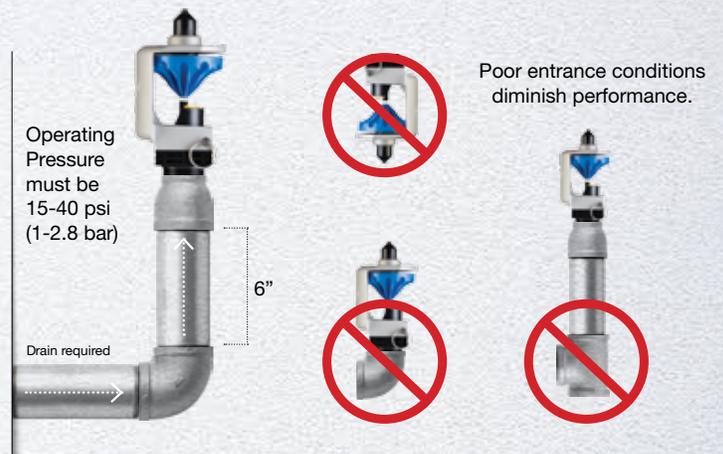
R55

No other End of Pivot Sprinkler works in the low pressure range of 15-40 PSI (1-2.8 bar) and provides up to 10 additional irrigated acres (on a 1/4 mile pivot).



A secondary end gun can pick up extra acres by irrigating where the SR100 can't – as the pivot enters/exits the corner, and around obstacles such as roads and buildings.

The R55 End of Pivot Sprinkler is changing the way farmers irrigate with center pivots. It can be used to pick up added acreage both throughout the full revolution of the pivot or just in the corners, depending on site specifics and irrigator preferences. It can be used in conjunction with a higher volume Big Gun® Sprinkler – or on its own. The R55 is to be mounted in an upright position at the end of the overhang. It can always remain on, turn on via a solenoid on an 800 series valve or work under the logic of a linked control system with a SR100/800P Valve or SRNV100 (Nozzle Valve).



R75

Introducing the new R75 END OF PIVOT SPRINKLER. This versatile, high-uniformity sprinkler is based on field-proven Rotator[®] Technology. The R75 and R75LP (low pressure option) help fill in the corners and gain added ground ... up to 70 feet (21 m).



Easy to access nozzle.



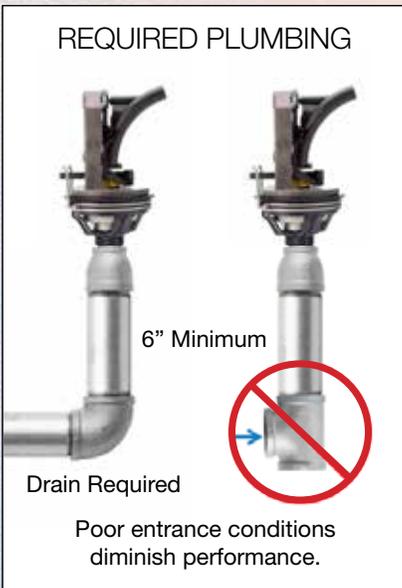
Dual barrel spray plate for distance & uniformity.



Adjustable stops to achieve best arc of coverage.

R75: 40-60 psi
(2.8-4.0 bar)

R75LP: 25-40 psi
(1.7-2.8 bar)





R55

PERFORMANCE (U.S. UNITS)

Gain up to 10 acres
(4.0 ha) irrigating
full circle and up to
6 acres (2.4 ha)
corners only on a
1/4 mile pivot.

Pressure (psi)	#52 Purple Nozzle		#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)	Flow (gpm)	Radius (ft)
15	18.3	40	27.7	41	36.6	42	45.2	42	52.0	44
20	20.9	42	31.8	44	41.8	45	51.7	45	59.7	48
25	23.4	45	35.5	48	46.7	48	57.7	49	66.7	52
30	25.8	46	38.9	49	51.1	50	63.1	51	73.2	53
35	27.9	47	42.1	50	55.1	51	68.2	53	79.0	54
40	30.0	47	44.9	50	58.8	51	72.7	54	84.3	55

PERFORMANCE (METRIC UNITS)

Pressure (bar)	#52 Purple Nozzle		#60 Red Nozzle		#70 Yellow Nozzle		#80 Green Nozzle		#90 Blue Nozzle	
	Flow (m ³ /hr)	Radius (m)								
1.00	4.1	11.9	6.2	12.2	8.2	12.5	10.1	12.5	11.6	13.4
1.50	5.0	13.1	7.5	14.0	9.9	14.0	12.2	14.3	14.1	14.9
2.00	5.7	14.0	8.7	14.9	11.4	15.2	14.1	15.5	16.3	16.2
2.50	6.5	14.3	9.7	15.2	12.7	15.5	15.7	16.2	18.3	16.8
2.75	6.8	14.3	10.2	15.2	13.3	15.5	16.5	16.5	19.1	16.8

R55 performance data has been obtained under ideal test conditions and may be adversely affected by wind, poor hydraulic entrance conditions or other factors. Test riser height of 9 feet (2.7 meters) above measurement surface. No representation regarding droplet condition, uniformity, application rate, or suitability for a particular application is made herein.



R75

PERFORMANCE (U.S. UNITS)

Gain up to 13 acres
(5.3 ha) irrigating
full circle and up to
7 acres (2.8 ha)
corners only on a
1/4 mile pivot.

Pressure (psi)	#52 (13/32")		#56 (7/16")		#60 (15/32")		#64 (1/2")		#68 (17/32")		#72 (9/16")		
	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	
R75 LP	25	23.6	49.0	27.3	51.0	31.2	53.0	35.4	55.0	39.8	55.0	44.4	56.0
	30	26.0	52.0	29.8	53.0	34.1	54.0	38.8	57.0	43.7	57.0	48.8	58.0
	35	28.0	53.0	32.4	55.0	36.9	55.0	42.0	59.0	47.2	59.0	52.6	60.0
	40	30.0	54.0	34.6	56.0	39.7	56.0	44.9	59.0	50.6	60.0	56.4	61.0
R75	40	30.0	57.0	34.6	59.0	39.7	61.0	44.9	65.0	50.6	65.0	56.4	64.0
	45	31.7	58.0	36.8	60.0	42.0	62.0	47.6	66.0	53.7	66.0	59.7	65.0
	50	33.6	59.0	38.8	61.0	44.4	63.0	50.2	67.0	56.5	67.0	63.1	65.0
	55	35.3	59.0	40.7	62.0	46.6	64.0	52.7	68.0	59.2	68.0	66.1	66.0
	60	36.8	59.0	42.7	62.0	48.8	65.0	55.0	69.0	61.9	68.0	69.2	67.0

PERFORMANCE (METRIC UNITS)

Pressure (bar)	#52 (13/32")		#56 (7/16")		#60 (15/32")		#64 (1/2")		#68 (17/32")		#72 (9/16")		
	Flow (m ³ /h)	Radius (m)											
R75 LP	1.75	5.4	14.9	6.3	15.5	7.1	16.2	8.1	16.8	9.2	16.8	10.2	17.1
	2.00	5.8	15.5	6.7	16.2	7.6	16.5	8.7	17.4	9.8	17.4	10.9	17.7
	2.50	6.4	16.5	7.5	16.8	8.5	16.8	9.7	18.0	10.9	18.0	12.1	18.3
	2.75	6.8	16.5	7.8	17.1	9.0	17.1	10.2	18.0	11.5	18.3	12.7	18.6
R75	2.75	6.8	17.4	7.8	18.0	9.0	18.6	10.2	19.8	11.5	19.8	12.7	19.5
	3.00	7.1	17.7	8.2	18.3	9.4	18.9	10.6	20.1	12.0	20.1	13.3	19.8
	3.50	7.7	18.0	8.9	18.6	10.2	19.2	11.5	20.4	13.0	20.4	14.4	19.8
	4.00	8.2	18.0	9.5	18.9	10.9	19.8	12.3	21.0	13.9	20.7	15.4	20.4

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