



Solutions for Mechanized Irrigation

END OF SYSTEM

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

R55 VT

R55i VT(inverted)



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 VT

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.



No other End of Pivot Sprinkler works in the low pressure range of 15-60 PSI (1-4 bar) and provides up to 10 additional irrigated acres (on a 1/4 mile pivot).

See page 4 for performance.



The R55 VT 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 VT (with blue plate) is to be mounted in an upright position at the end of the overhang. The R55i VT, with a specially engineered green plate, has been made for inverted applications. This configuration is found to be easier to plumb - and some say it's effective in helping manage debris that collects at the end of the system. Please note that radius is typically less for the inverted, green plate than for the blue plate. The R55 VT and R55i VT can be controlled using a Nelson 1000P Valve.



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.

R55 VT - UPRIGHT MOUNTING



Poor entrance conditions diminish performance.



Operating Pressure must be 15-60 psi (1-4 bar)



Poor entrance conditions diminish performance.



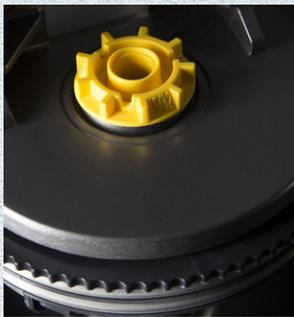
R75

The R75 END OF PIVOT SPRINKLER is a versatile, high-uniformity sprinkler 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).



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

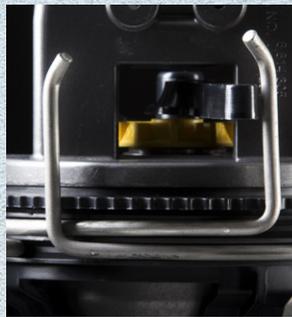
R75LP:
25-40 psi
(1.7-2.8 bar)



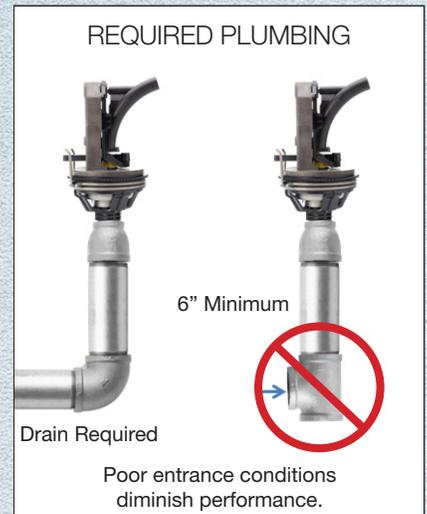
Easy to access nozzle.



Dual barrel spray plate for distance & uniformity.



Adjustable stops to achieve best arc of coverage.



R75

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.

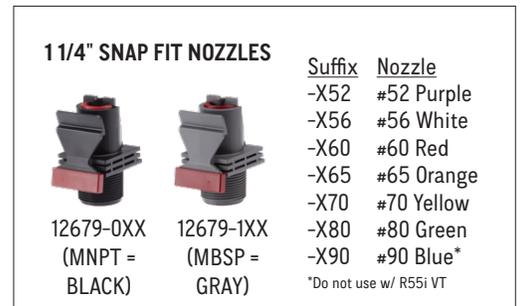
PERFORMANCE (U.S. UNITS)

	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 (m³/h)	Radius (m)	Flow (m³/h)	Radius (m)	Flow (m³/h)	Radius (m)	Flow (m³/h)	Radius (m)	Flow (m³/h)	Radius (m)	Flow (m³/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

R75/R75LP 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.



R55 VT

R55 VT PERFORMANCE (U.S. UNITS)

Pressure (psi)	*52 Purple Nozzle		*56 White Nozzle		*60 Red Nozzle		*65 Orange 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)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)
15	18.8	40	23.5	40	28.0	40	33.0	40	36.7	40	46.0	40	52.8	41
20	21.6	43	27.0	43	32.1	43	38.0	44	42.2	44	52.9	44	60.6	45
25	24.3	45	30.3	46	36.1	46	42.6	47	47.3	48	59.3	48	68.0	48
30	26.7	46	33.4	47	39.7	47	47.0	48	52.0	49	65.2	49	74.8	50
35	29.0	47	36.2	48	43.1	49	51.0	49	56.5	50	70.8	50	81.1	51
40	31.2	48	38.9	49	46.2	50	54.8	50	60.6	51	75.8	51	87.0	52
45	33.1	48	41.3	50	49.0	51	58.3	51	64.3	52	80.5	53	92.3	54
50	34.9	48	43.4	50	51.6	51	61.4	52	67.7	53	84.7	54	97.2	54
55	36.5	48	45.4	50	54.0	51	64.3	52	70.7	53	88.4	54	101.5	55
60	37.9	48	47.1	50	56.0	51	66.9	52	73.4	53	91.7	54	105.4	56

R55 VT PERFORMANCE (METRIC UNITS)

Pressure (bar)	*52 Purple Nozzle		*56 White Nozzle		*60 Red Nozzle		*65 Orange 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)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)
1	4.2	12.2	5.3	12.2	6.3	12.2	7.4	12.2	8.2	12.2	10.3	12.2	11.8	12.5
1.5	5.1	13.3	6.4	13.4	7.6	13.4	9.0	13.7	10.0	13.8	12.5	13.8	14.4	14.0
2	6.0	14.0	7.5	14.3	8.9	14.3	10.5	14.6	11.6	14.9	14.6	14.9	16.7	15.1
2.5	6.7	14.4	8.4	14.7	10.0	15.0	11.8	15.0	13.1	15.3	16.4	15.3	18.8	15.6
3	7.4	14.6	9.2	15.2	11.0	15.5	13.0	15.5	14.4	15.8	18.0	16.0	20.6	16.3
3.5	8.0	14.6	9.9	15.2	11.8	15.5	14.1	15.8	15.5	16.2	19.4	16.5	22.2	16.5
4	8.5	14.6	10.5	15.2	12.5	15.5	15.0	15.8	16.4	16.2	20.5	16.5	23.6	16.9

R55i VT

R55i VT PERFORMANCE (U.S. UNITS)

Pressure (psi)	*52 Purple Nozzle		*56 White Nozzle		*60 Red Nozzle		*65 Orange Nozzle		*70 Yellow Nozzle		*80 Green Nozzle	
	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)	Flow (gpm)	Radius (ft)
15	18.8	38	23.5	38	28.0	37	33.0	37	36.7	36	46.0	35
20	21.6	40	27.0	41	32.1	40	38.0	40	42.2	39	52.9	38
25	24.3	43	30.3	44	36.1	42	42.6	42	47.3	41	59.3	40
30	26.7	44	33.4	45	39.7	44	47.0	44	52.0	43	65.2	42
35	29.0	45	36.2	46	43.1	45	51.0	45	56.5	44	70.8	43
40	31.2	46	38.9	47	46.2	47	54.8	46	60.6	46	75.8	45
45	33.1	47	41.3	48	49.0	48	58.3	47	64.3	47	80.5	46
50	34.9	47	43.4	48	51.6	48	61.4	48	67.7	47	84.7	46
55	36.5	48	45.4	49	54.0	49	64.3	48	70.7	48	88.4	47
60	37.9	49	47.1	49	56.0	49	66.9	48	73.4	48	91.7	47

R55i VT PERFORMANCE (METRIC UNITS)

Pressure (bar)	*52 Purple Nozzle		*56 White Nozzle		*60 Red Nozzle		*65 Orange Nozzle		*70 Yellow Nozzle		*80 Green Nozzle	
	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)	Flow (m³/hr)	Radius (m)
1	4.2	11.6	5.3	11.6	6.3	11.3	7.4	11.3	8.2	11.0	10.3	10.7
1.5	5.1	12.5	6.4	12.8	7.6	12.4	9.0	12.4	10.0	12.1	12.5	11.8
2	6.0	13.4	7.5	13.7	8.9	13.3	10.5	13.3	11.6	13.0	14.6	12.7
2.5	6.7	13.8	8.4	14.1	10.0	13.9	11.8	13.8	13.1	13.6	16.4	13.3
3	7.4	14.2	9.2	14.5	11.0	14.5	13.0	14.2	14.4	14.2	18.0	13.9
3.5	8.0	14.4	9.9	14.7	11.8	14.7	14.1	14.6	15.5	14.4	19.4	14.1
4	8.5	14.8	10.5	14.9	12.5	14.9	15.0	14.6	16.4	14.6	20.5	14.3

R55 VT & R55i VT 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.

WARRANTY AND DISCLAIMER: Nelson R55 VT & R55i VT Sprinklers are warranted for one year from date of original sale to be free of defective materials 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. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from 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.

Patent information at www.nicpat.com. Additional patents may be pending in the U.S. and/or in foreign jurisdictions.



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