



WATER APPLICATION SOLUTIONS FOR CENTER PIVOT IRRIGATION

R55  
VT



# R55VT

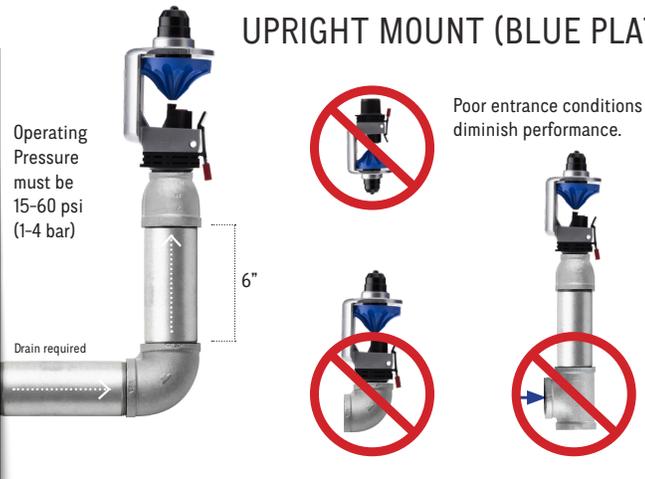
NO OTHER END OF PIVOT SPRINKLER WORKS IN THE LOW PRESSURE RANGE OF **15-60 PSI** (1-4 BAR) AND PROVIDES UP TO **10 ADDITIONAL IRRIGATED ACRES** (ON A 1/4 MILE PIVOT).

The new Nelson R55VT uses a patented variable torque speed governing system that allows the plate to maintain a constant rotation speed across a broad range of nozzle sizes and pressures. This new design also incorporates snap-fit nozzles, eliminating the need for a retaining pin.

Verify nozzle is secure:  
check lip in front      check notch in back



## UPRIGHT MOUNT (BLUE PLATE)



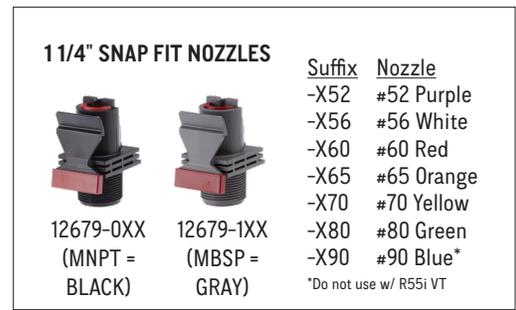
## INVERTED MOUNT (GREEN PLATE)



# R55i VT

The inverted R55i VT, with a specifically engineered green plate, is easier to install and some say it's effective in helping manage debris that collects at the end of the system.





# R55VT

## R55VT 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

## R55VT 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

R55VT & 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 R55VT & 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](http://www.nicpat.com). Additional patents may be pending in the U.S. and/or in foreign jurisdictions.



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