



FLOW RANGE
9 to 29 GPH
34 to 110 LPH

FEATURES

- Uniform distribution
- Greater throw radius
- Better soil infiltration
- Low pressure operation
- Reliable start up

The R5 Rotator is a completely different micro sprinkler.

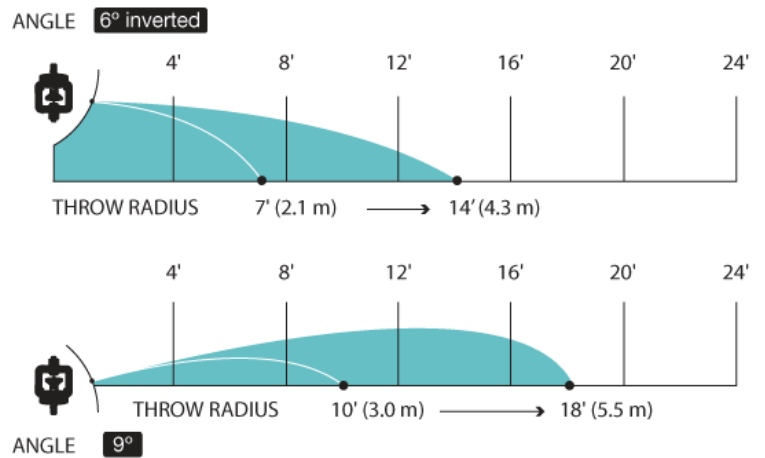
ROTATOR TECHNOLOGY

The Nelson R5 Rotator is a micro sprinkler with a unique and patented drive principle. The water stream emitting from the nozzle is directed into an offset channel on the Rotor plate, creating a reactionary drive force. A viscous silicone fluid in the Rotor Motor controls the Rotation speed. Rotator technology gives the R5 high uniformity and a distance of throw greater than that of any other micro sprinkler.

FULL COVERAGE IRRIGATION

The R5 Rotator offers a unique full coverage irrigation solution. In contrast to part coverage, drip or micro sprinkler systems, full coverage offers the following benefits:

- Improved infiltration
- Reduced crop stress
- Ability to manage salinity
- Ability to establish cover crops
- Dust suppression and crop cooling
- Increased overall nutrients availability
- Activation of fertilizers and chemicals





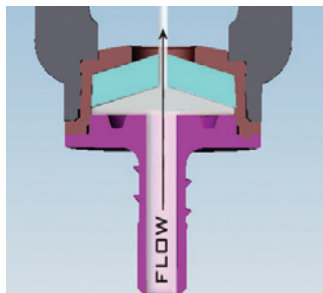
PLATE/NOZZLE OPTIONS AND FLOW PERFORMANCE IN GPH AND LPH

PLATE OPTIONS	RECOMMENDED NOZZLES*	PSI						BAR							
		15	20	25	30	35	40	1	1.25	1.50	1.75	2	2.25	2.5	2.75
BLUE LOW PRESSURE upright mount Radius 10-16' (3.0 - 4.9 m)	#35 Orange			9.5	10.5	11.4	12.1				36	39	42	44	46
	#40 Blue		10.8	12.2	13.3	14.4				43	46	49	53	56	
	#45 Purple	11.7	13.7	15.4	16.8	18.2		44	49	54	59	63	67	70	
	#50 Green	14.3	16.8	18.8	20.6	22.3		53	60	66	72	77	81	86	
	#55 Yellow	17.4	20.3	22.8	25.0			65	73	80	87	93			
GREEN HIGH PRESSURE upright mount Radius 12-18' (3.7-5.5m)	#35 Orange				10.5	11.4	12.1					39	42	44	46
	#40 Blue				13.3	14.4	15.5					49	53	56	59
	#45 Purple			15.4	16.8	18.2	19.6			59	63	67	70	74	
	#50 Green			18.8	20.6	22.3	23.9			72	77	81	86	91	
	#55 Yellow			22.8	25	27	29			87	93	99	104	110	
WINE inverted mount Radius 7-14' (2.1 - 4.3 m)	#35 Orange			9.5	10.5	11.4	12.1				36	39	42	44	46
	#40 Blue		10.8	12.2	13.3	14.4	15.5			43	46	49	53	56	59
	#45 Purple	11.7	13.7	15.4	16.8	18.2		44	49	54	59	63	67	70	
	#55 Yellow	14.3	16.8	18.8	20.6			53	60	66	72	77			

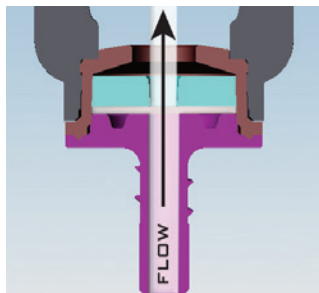
*Always use the recommended pressure for each nozzle/plate combination. The absence of flow data on the above chart for a particular plate/nozzle combination indicates the pressure is outside the recommended range. FILTRATION & NOZZLE CLEANING NOTE: 75 mesh or finer filtration is suggested. The plate and nozzle of the R5 should not be removed. Any attempt to do so will likely cause permanent damage.

NELSON 5FC FLOW CONTROL NOZZLE

The R5 is available with a standard or flow control nozzle. The 5FC nozzles illustrated below are operating at the same flow. As pressure increases, 5FC nozzles flex to a smaller size to deliver a constant flow over a range of pressure. They assure uniform application of water throughout the crop.



5FC with high pressure



5FC with low pressure

PRESSURE RANGE IN PSI BAR FOR 5FC NOZZLES

5FC NOZZLE OPTION	BLUE PLATE	GREEN PLATE	WINE PLATE
8.5 gph Orange 5FC (32 lph)	25-45 (1.8-3.1)		
11 gph Blue 5FC (41 lph)	20-45 (1.4-3.1)	30-45 (2-3.1)	15-45 (1-3.1)
14 gph Purple 5FC (53 lph)	15-40 (1-2.8)	25-45 (1.8-3.1)	15-45 (1-3.1)
18 gph Yellow 5FC (68 lph)	15-35 (1-2.4)	25-45 (1.8-3.1)	15-35 (1-2.4)
24 gph Red 5FC (90 lph)	15-35 (1-2.4)	25-45 (1.8-3.1)	15-30 (1-2)