

Maximize Water Savings and Simplify Irrigation Design with MPR Nozzles



Compatible with All Hunter PGP® Ultra and I-20 Rotors

The matched precipitation rate (MPR) of a sprinkler is used to calculate the uniformity of water delivered to a given area. To be “matched,” all sprinkler heads in a zone must have the same precipitation rate. There are two ways to achieve matched precipitation: 1) by matching the flow of a standard rotor to its arc and reducing the range accordingly (e.g., 1 gallon at 90°, 2 gallons at 180°, or 4 gallons at 360°), or 2) by using MPR nozzles.





Hunter MPR nozzles simplify the irrigation design process by allowing sprinklers with various arcs and radii to be mixed on the same circuit while maintaining even water distribution rates. These color-coded nozzle racks are available in three radius ranges: 25', 30', and 35'. Each rack includes a nozzle for use on a quarter-, third-, half-, and full-circle pattern. The precipitation rate is the same across the area, regardless of the arc, as long as the correct nozzle is selected for the pattern. The primary benefit of MPR nozzles is to prevent wasteful runoff while ensuring uniform application of water over the irrigated area.

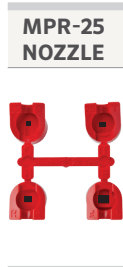






MPR Nozzle Types

Hunter MPR nozzles are available in bags of 25 using part numbers MPR-25, MPR-30, and MPR-35. MPR nozzles are easy to add in the field to improve the efficiency of any project!





Increase water savings, stop water waste, and enhance irrigation system performance with a full line of simple-to-install MPR nozzles from Hunter Industries.

PGP ULTRA / I-20 / PRB MPR-25 NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
90° 	25	23	0.74	0.54	0.62
	35	24	0.88	0.59	0.68
	45	25	1.00	0.62	0.71
	55	25	1.11	0.68	0.79
	65	25	1.21	0.75	0.86
120° 	25	23	1.00	0.55	0.63
	35	24	1.21	0.61	0.70
	45	25	1.38	0.64	0.74
	55	25	1.53	0.71	0.82
	65	25	1.67	0.77	0.89
180° 	25	23	1.44	0.52	0.61
	35	24	1.73	0.58	0.67
	45	25	1.98	0.61	0.70
	55	25	2.21	0.68	0.79
	65	25	2.41	0.74	0.86
360° 	25	23	2.78	0.51	0.58
	35	24	3.34	0.56	0.64
	45	25	3.82	0.59	0.68
	55	25	4.25	0.65	0.76
	65	25	4.63	0.71	0.82



PGP ULTRA / I-20 / PRB MPR-30 NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
90° 	25	29	1.03	0.47	0.54
	35	30	1.23	0.53	0.61
	45	30	1.40	0.60	0.69
	55	30	1.56	0.67	0.77
	65	30	1.69	0.72	0.83
120° 	25	29	1.34	0.46	0.53
	35	30	1.62	0.52	0.60
	45	30	1.85	0.59	0.69
	55	30	2.06	0.66	0.76
	65	30	2.24	0.72	0.83
180° 	25	29	2.15	0.49	0.57
	35	30	2.59	0.55	0.64
	45	30	2.96	0.63	0.73
	55	30	3.30	0.71	0.82
	65	30	3.60	0.77	0.89
360° 	25	29	4.24	0.49	0.56
	35	30	5.08	0.54	0.63
	45	30	5.78	0.62	0.71
	55	30	6.39	0.68	0.79
	65	30	6.92	0.74	0.85



PGP ULTRA / I-20 / PRB MPR-35 NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
90° 	25	32	1.40	0.53	0.61
	35	34	1.67	0.56	0.64
	45	35	1.92	0.60	0.70
	55	35	2.13	0.67	0.77
	65	35	2.31	0.73	0.84
120° 	25	32	1.77	0.50	0.58
	35	34	2.15	0.54	0.62
	45	35	2.46	0.58	0.67
	55	35	2.74	0.65	0.75
	65	35	2.99	0.70	0.81
180° 	25	32	2.75	0.52	0.60
	35	34	3.33	0.55	0.64
	45	35	3.81	0.60	0.69
	55	35	4.23	0.66	0.77
	65	35	4.62	0.73	0.84
360° 	25	32	5.36	0.50	0.58
	35	34	6.62	0.55	0.64
	45	35	7.58	0.60	0.69
	55	35	8.43	0.66	0.76
	65	35	9.18	0.72	0.83



Hunter matched precipitation rate (MPR) nozzles are compatible with the PGP Ultra and I-20 family of rotors.