

PGP® ULTRA/I-20 PERFORMANCE CHARTS



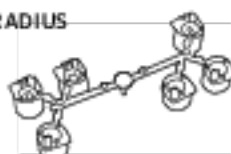
BLUE/GREY NOZZLES P/N 782900



PGP® ULTRA / I-20 BLUE STANDARD NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
1.5 Blue	25	29	3.2	0.27	0.32
	35	28	3.4	0.29	0.32
	45	28	3.6	0.30	0.36
	55	32	3.9	0.34	0.39
65	32	3.9	0.36	0.43	
2.0 Blue	25	32	3.4	0.25	0.29
	35	32	3.7	0.30	0.35
	45	34	3.0	0.33	0.38
	55	34	3.1	0.35	0.40
65	32	3.2	0.43	0.50	
2.5 Blue	25	32	3.7	0.30	0.35
	35	35	3.1	0.32	0.38
	45	35	3.5	0.39	0.46
	55	35	3.6	0.40	0.47
65	35	3.9	0.46	0.52	
3.0 Blue	25	35	3.2	0.35	0.40
	35	36	2.7	0.40	0.46
	45	36	3.0	0.40	0.46
	55	39	3.4	0.43	0.50
65	39	3.7	0.47	0.54	
4.0 Blue	25	37	3.0	0.40	0.46
	35	39	3.5	0.44	0.51
	45	40	4.0	0.48	0.56
	55	40	4.5	0.52	0.60
65	40	4.8	0.55	0.62	
5.0 Blue	25	37	3.7	0.52	0.60
	35	39	4.5	0.57	0.66
	45	42	5.0	0.63	0.72
	55	42	5.7	0.62	0.72
65	42	6.2	0.69	0.78	
6.0 Blue	25	38	4.2	0.57	0.66
	35	40	5.6	0.67	0.78
	45	48	6.0	0.82	0.92
	55	48	6.7	0.67	0.77
65	48	7.2	0.72	0.82	
8.0 Blue	25	37	6.0	0.84	0.92
	35	40	7.0	0.90	0.98
	45	44	8.0	0.80	0.92
	55	46	9.0	0.92	0.98
65	46	9.8	0.99	1.02	

PGPULTRA / I-20 GRAYLOW ANGLE NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
2.0 LA Gray	20	25	3.6	0.49	0.57
	40	27	3.9	0.50	0.59
	60	30	3.2	0.52	0.60
2.5 LA Gray	20	27	3.8	0.55	0.64
	40	30	3.5	0.52	0.62
	60	30	3.8	0.49	0.57
3.5 LA Gray	20	29	2.8	0.64	0.73
	40	30	3.8	0.58	0.67
	60	30	3.5	0.55	0.66
4.5 LA Gray	20	29	3.4	0.79	0.90
	40	30	3.9	0.72	0.85
	60	30	4.4	0.69	0.80

BLACK SHORT RADIUS NOZZLES P/N 466100



PGP ULTRA / I-20 BLACK SHORT RADIUS NOZZLE PERFORMANCE DATA (30/25')					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
.50 SR Black	30	17	0.26	0.28	0.28
	40	17	0.42	0.29	0.38
	50	19	0.50	0.30	0.34
1.0 SR Black	30	17	0.79	0.52	0.60
	40	17	0.90	0.60	0.69
	50	19	1.00	0.59	0.69
2.0 SR Black	30	17	1.80	0.92	1.08
	40	17	1.70	1.0	1.24
	50	19	2.00	1.09	1.37
.75 SR Black	30	22	0.58	0.29	0.24
	40	24	0.68	0.23	0.26
	50	25	0.75	0.23	0.27
1.5 SR Black	30	22	1.10	0.40	0.46
	40	24	1.20	0.42	0.50
	50	25	1.50	0.46	0.52
3.0 SR Black	30	22	2.90	0.58	1.05
	40	24	2.70	0.60	1.04
	50	25	3.00	0.62	1.07

GREEN HIGH FLOW NOZZLES P/N 44800



PGP ULTRA / I-20 GREEN HIGH FLOW NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
10 Dk. Green	40	42	9.4	0.92	1.05
	50	43	9.5	0.99	1.16
	60	45	10.5	1.00	1.15
13 Dk. Green	40	43	11.9	1.12	1.28
	50	44	12.3	1.22	1.41
	60	45	13.6	1.29	1.49
6.0 LA Dk. Green	30	7	4.2	0.84	0.97
	40	25	5.0	0.79	0.91
	50	27	5.8	0.82	0.94
8.0 LA Dk. Green	40	27	6.7	0.94	1.09
	50	29	7.7	0.97	1.13
	60	41	8.5	0.97	1.12

MPR MATCHED PRECIPITATION RATE NOZZLES



PGP® ULTRA / I-20 MPR-25 RED NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
90° Red	25	23	0.78	0.54	0.62
	35	24	0.81	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° Red	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	1.52	0.71	0.82
65	25	1.67	0.77	0.89	
180° Red	25	23	1.44	0.52	0.61
	35	24	1.72	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° Red	25	23	2.79	0.51	0.58
	35	24	3.24	0.56	0.64
	45	25	3.82	0.59	0.68
	55	25	4.25	0.65	0.76
65	25	4.62	0.71	0.82	

PGP ULTRA / I-20 MPR-30 LT. GREEN NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
90° Lt. Green	25	29	1.02	0.47	0.54
	35	30	1.22	0.52	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° Lt. Green	25	29	1.34	0.46	0.52
	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° Lt. Green	25	29	2.75	0.49	0.57
	35	30	2.59	0.55	0.64
	45	30	2.96	0.62	0.72
	55	30	3.30	0.71	0.82
65	30	3.60	0.77	0.89	
360° Lt. Green	25	29	4.24	0.49	0.56
	35	30	5.08	0.54	0.63
	45	30	5.79	0.62	0.71
	55	30	6.39	0.68	0.79
65	30	6.92	0.74	0.85	

PGP ULTRA / I-20 MPR-35 BEIGE NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
90° Beige	25	32	1.40	0.51	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	0.72	0.84	
120° Beige	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	2.78	0.65	0.75
65	35	2.99	0.70	0.81	
180° Beige	25	32	2.75	0.52	0.60
	35	34	3.23	0.55	0.64
	45	35	3.81	0.60	0.69
	55	35	4.22	0.66	0.77
65	35	4.62	0.72	0.84	
360° Beige	25	32	5.26	0.50	0.58
	35	34	6.62	0.55	0.64
	45	35	7.58	0.60	0.69
	55	35	8.40	0.66	0.76
65	35	9.18	0.72	0.83	



Fig. 1

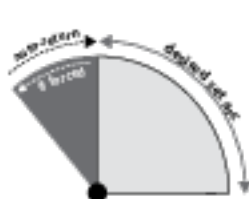


Fig. 2



Fig. 3

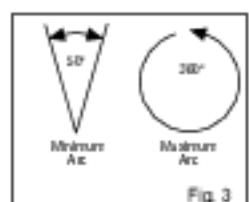


Fig. 4



Fig. 5