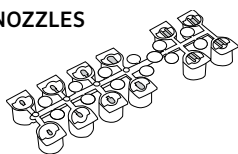


PGP® ULTRA/I-20

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	1.2	0.27	0.32	
	35	31	1.4	0.28	0.32	
	45	31	1.5	0.30	0.35	
	55	32	1.8	0.34	0.39	
	65	32	1.9	0.36	0.41	
2.0 Blue	25	33	1.4	0.25	0.29	
	35	33	1.7	0.30	0.35	
	45	34	2.0	0.33	0.38	
	55	34	2.1	0.35	0.40	
	65	32	2.3	0.43	0.50	
2.5 Blue	25	33	1.7	0.30	0.35	
	35	35	2.1	0.33	0.38	
	45	35	2.5	0.39	0.45	
	55	35	2.6	0.41	0.47	
	65	35	2.9	0.46	0.53	
3.0 Blue	25	35	2.2	0.35	0.40	
	35	36	2.7	0.40	0.46	
	45	38	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	0.42	0.49	
	35	39	3.5	0.44	0.51	
	45	40	4.0	0.48	0.56	
	55	41	4.5	0.52	0.60	
	65	41	4.8	0.55	0.63	
5.0 Blue	25	37	3.7	0.52	0.60	
	35	39	4.5	0.57	0.66	
	45	42	5.0	0.55	0.63	
	55	42	5.7	0.62	0.72	
	65	42	6.2	0.68	0.78	
6.0 Blue	25	38	4.3	0.57	0.66	
	35	40	5.6	0.67	0.78	
	45	43	6.0	0.62	0.72	
	55	44	6.7	0.67	0.77	
	65	44	7.3	0.73	0.84	
8.0 Blue	25	37	6.0	0.84	0.97	
	35	41	7.0	0.80	0.93	
	45	44	8.0	0.80	0.92	
	55	46	9.0	0.82	0.95	
	65	46	9.8	0.89	1.03	

PGP ULTRA / I-20 GRAY LOW ANGLE NOZZLE PERFORMANCE DATA						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr		
				■	▲	
2.0 LA Gray	30	25	1.6	0.49	0.57	
	40	27	1.9	0.50	0.58	
	50	28	2.1	0.52	0.60	
	60	30	2.3	0.49	0.57	
2.5 LA Gray	30	27	2.1	0.55	0.64	
	40	30	2.5	0.53	0.62	
	50	33	2.8	0.49	0.57	
	60	35	3.0	0.47	0.54	
3.5 LA Gray	30	29	2.8	0.64	0.74	
	40	32	3.1	0.58	0.67	
	50	35	3.5	0.55	0.64	
	60	37	3.8	0.53	0.62	
4.5 LA Gray	30	29	3.4	0.78	0.90	
	40	32	3.9	0.73	0.85	
	50	35	4.4	0.69	0.80	
	60	37	4.7	0.66	0.76	

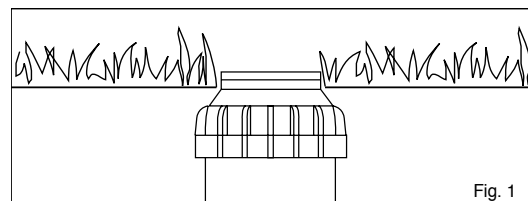


Fig. 1

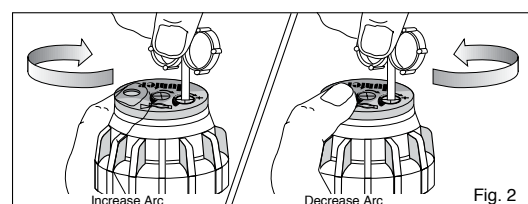
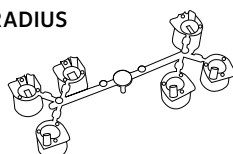


Fig. 2

BLACK SHORT RADIUS NOZZLES

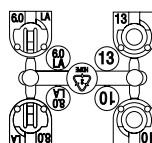
P/N 466100



PGP ULTRA / I-20 BLACK SHORT RADIUS NOZZLE PERFORMANCE DATA (18°/25°)						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr		
				■	▲	
.50 SR Black	30	17	0.36	0.24	0.28	
	40	17	0.43	0.29	0.33	
	50	18	0.50	0.30	0.34	
	60	19	0.57	0.30	0.35	
1.0 SR Black	30	17	0.78	0.52	0.60	
	40	17	0.90	0.60	0.69	
	50	18	1.00	0.59	0.69	
	60	19	1.10	0.59	0.68	
2.0 SR Black	30	17	1.40	0.93	1.08	
	40	17	1.70	1.13	1.31	
	50	18	2.00	1.19	1.37	
	60	19	2.20	1.17	1.35	
.75 SR Black	30	23	0.58	0.21	0.24	
	40	24	0.68	0.23	0.26	
	50	25	0.75	0.23	0.27	
	60	26	0.83	0.24	0.27	
1.5 SR Black	30	23	1.10	0.40	0.46	
	40	24	1.30	0.43	0.50	
	50	25	1.50	0.46	0.53	
	60	26	1.60	0.46	0.53	
3.0 SR Black	30	23	2.50	0.91	1.05	
	40	24	2.70	0.90	1.04	
	50	25	3.00	0.92	1.07	
	60	26	3.10	0.88	1.02	

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	8.4	0.92	1.06	
	50	43	9.5	0.99	1.14	
	60	45	10.5	1.00	1.15	
	70	47	11.4	0.99	1.15	
13 Dk. Green	40	43	10.9	1.13	1.31	
	50	44	12.3	1.22	1.41	
	60	45	13.6	1.29	1.49	
	70	47	14.8	1.29	1.49	
6.0 LA Dk. Green	30	31	4.2	0.84	0.97	
	40	35	5.0	0.79	0.91	
	50	37	5.8	0.82	0.94	
	60	39	6.3	0.80	0.92	
8.0 LA Dk. Green	40	37	6.7	0.94	1.09	
	50	39	7.7	0.97	1.13	
	60	41	8.5	0.97	1.12	
	70	41	9.2	1.05	1.22	

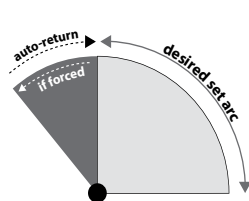


Fig. 3

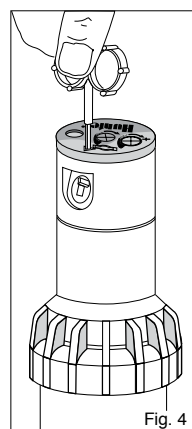
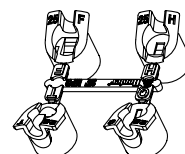


Fig. 4

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	0.74	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° 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	1.53	0.71	0.82	
	65	25	1.67	0.77	0.89	
180° Red	25	23	1.44	0.52	0.61	
	35	24	1.73	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° Red	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 MPR-30 LT. GREEN NOZZLE PERFORMANCE DATA						
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr		
				■	▲	
90° Lt. Green	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° Lt. Green	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° Lt. Green	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° Lt. Green	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 MPR-35 BEIGE NOZZLE PERFORMANCE DATA					
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr ■	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
Beige	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
Beige	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
Beige	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
Beige	65	35	9.18	0.72	0.83