

Operating Specifications

- Radius: 17' to 46'
- Flow Rate: 0.36 to 14.8 GPM
- Recommended pressure range: 25 to 70 PSI
- Operating pressure range: 20 to 100 PSI
- Precipitation rates: 0.4 in/hr approx.
- Nozzle trajectory: Std = 25 degrees, Low angle = 13 degrees

PGP ULTRA / I-20 BLUE STANDARD NOZZLE PERFORMANCE DATA

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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	34	2.3	0.38	0.44
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
	25	38	4.3	0.57	0.66

Blue	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 ●	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
Blue	65	46	9.8	0.89	1.03

Notes:

Bold = Recommended pressure.

All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

PGP ULTRA / I-20 GREY LOW ANGLE NOZZLE PERFORMANCE DATA

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Nozzle	Pressure PSI	Radius ft	Flow GPM	Precip in/hr ■ ▲	
2.0	30	25	1.6	0.49	0.57
	40	27	1.9	0.50	0.58
	50	28	2.1	0.52	0.60
LA ●	60	30	2.3	0.49	0.57
Grey					
2.5	30	27	2.1	0.55	0.64
	40	30	2.5	0.53	0.62
	50	33	2.8	0.49	0.57
LA ●	60	35	3.0	0.47	0.54
Grey					
3.5	30	29	2.8	0.64	0.74
	40	32	3.1	0.58	0.67
	50	35	3.5	0.55	0.64
LA ●	60	37	3.8	0.53	0.62
Grey					
4.5	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

LA ●

Grey

Notes:

Bold = Recommended pressure.

All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

**PGP ULTRA / I-20 HIGH FLOW NOZZLE
PERFORMANCE DATA**

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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	30	31	4.2	0.84	0.97
	40	35	5.0	0.79	0.91
	50	37	5.8	0.82	0.94
LA ● Dk. Green	60	39	6.3	0.80	0.92
8.0	40	37	6.7	0.94	1.09
	50	39	7.7	0.97	1.13
	60	41	8.5	0.97	1.12
LA ● Dk. Green	70	41	9.2	1.05	1.22

Notes:

Bold = Recommended pressure.

All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

PGP ULTRA / I-20 BLACK SHORT RADIUS NOZZLE PERFORMANCE DATA

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Nozzle	Pressure PSI	Radius ft	Flow GPM	Precip in/hr ■ ▲	
.50	30	17	0.36	0.24	0.28
	40	17	0.43	0.29	0.33
	50	18	0.50	0.30	0.34
SR ●	60	19	0.57	0.30	0.35
Black					
1.0	30	17	0.78	0.52	0.60
	40	17	0.90	0.60	0.69
	50	18	1.0	0.59	0.69
SR ●	60	19	1.1	0.59	0.68
Black					
2.0	30	17	1.4	0.93	1.08
	40	17	1.7	1.13	1.31
	50	18	2.0	1.19	1.37
SR ●	60	19	2.2	1.17	1.35
Black					
.75	30	23	0.58	0.21	0.24
	40	24	0.68	0.23	0.26
	50	25	0.75	0.23	0.27
SR ●	60	26	0.83	0.24	0.27
Black					
1.5	30	23	1.1	0.40	0.46
	40	24	1.3	0.43	0.50
	50	25	1.5	0.46	0.53
SR ●	60	26	1.6	0.46	0.53
Black					
3.0	30	23	2.5	0.91	1.05
	40	24	2.7	0.90	1.04
	50	25	3.0	0.92	1.07
SR ●	60	26	3.1	0.88	1.02
Black					

Notes:

Bold = Recommended pressure.

All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2.

PGP ULTRA / I-20 MPR-25 RED NOZZLE PERFORMANCE DATA

Arc	Pressure PSI	Radius ft	Flow GPM	Precip in/hr	
 Red 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
 Red 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
 Red 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
 Red 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 MPR-30 LT. GREEN NOZZLE PERFORMANCE DATA

Arc	Pressure	Radius	Flow	Precip in/hr
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	PSI	ft	GPM	■	▲
 Lt. Green 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
 Lt. Green 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
 Lt. Green 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
 Lt. Green 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 MPR-35 BEIGE NOZZLE PERFORMANCE DATA

Arc	Pressure PSI	Radius ft	Flow GPM	Precip in/hr ■ ▲
 Beige 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
	25	32	1.77	0.50 0.58

Beige 120° 	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

Beige 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

Beige 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