

PGP Ultra & I-20 PRB

The PGP Ultra and I-20 PRB are built to thrive in applications where high water pressure could otherwise lead to inefficient nozzle operation.

أساسيات التثبيت

- Pressure-regulated body (3.1 bar; 310 kPa) reduces high incoming pressure to increase nozzle efficiency
- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalised; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Headed and slotted setscrew allows radius adjustment with a Hunter wrench or flat-blade screwdriver
- FloStop™ closes the flow of water from individual sprinklers, to change the nozzle or perform repairs (I-20 only)
- Flat-top nozzles allow fast, easy insertion
- QuickCheck™ arc mechanism for fast arc adjustment
- Available stainless steel riser for extra durability
- Drain check valve prevents low-head drainage (up to 3 m of elevation)



OPERATING SPECIFICATIONS

- Nozzle choices: 30
- Radius: 4.9 to 14.0 m
- Nozzle discharge pressure: 3.1 bar; 310 kPa
- Precipitation rate: 10 mm/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Nozzle racks: 1.5 to 8.0 blue, 2.0 to 4.5 low-angle grey, 0.50 to 3.0 black, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID
- Blue #1.5–4.0 nozzles

USER-INSTALLED OPTIONS

- HSJ-0 prefabricated ¾" PVC swing joint

PGP ULTRA / I-20 / PRB قرزأل يسايقلل لزونل اءا ءا نايب							
لزونل	طغصل		رطقل فصن	ق فءءل		س/م لم بيسرءل لءعم	
	bar	kPa	م	ءعاسل/رءم	ءق قءل/رءل	■	▲
1.5 • قرزأ	1.7	170	8.8	0.27	4.5	7	8
	2.0	200	9.1	0.29	4.8	7	8
	2.5	250	9.4	0.32	5.4	7	8
	3.0	300	9.8	0.35	5.9	7	9
	3.5	350	9.8	0.38	6.4	8	9
	4.0	400	9.8	0.41	6.8	9	10
	4.5	450	9.4	0.43	7.2	10	11
2.0 • قرزأ	1.7	170	10.1	0.32	5.4	6	7
	2.0	200	10.1	0.35	5.8	7	8
	2.5	250	10.1	0.39	6.5	8	9
	3.0	300	10.4	0.43	7.2	8	9
	3.5	350	10.4	0.47	7.8	9	10
	4.0	400	10.4	0.50	8.3	9	11
	4.5	450	10.4	0.53	8.8	10	11
2.5 • قرزأ	1.7	170	10.1	0.39	6.6	8	9
	2.0	200	10.4	0.43	7.1	8	9
	2.5	250	10.7	0.48	8.0	8	10
	3.0	300	10.7	0.54	8.9	9	11
	3.5	350	10.7	0.58	9.7	10	12
	4.0	400	10.7	0.62	10.4	11	13
	4.5	450	10.7	0.66	11.1	12	13
3.0 • قرزأ	1.7	170	10.7	0.50	8.4	9	10
	2.0	200	10.7	0.54	9.1	10	11
	2.5	250	11.0	0.61	10.2	10	12
	3.0	300	11.6	0.68	11.4	10	12
	3.5	350	11.9	0.74	12.3	10	12
	4.0	400	11.9	0.79	13.2	11	13
	4.5	450	11.9	0.84	14.0	12	14
4.0 • قرزأ	1.7	170	11.3	0.68	11.3	11	12
	2.0	200	11.6	0.73	12.2	11	13
	2.5	250	11.9	0.81	13.6	12	13
	3.0	300	12.2	0.90	15.0	12	14
	3.5	350	12.2	0.97	16.2	13	15
	4.0	400	12.5	1.04	17.3	13	15
	4.5	450	12.5	1.10	18.3	14	16
5.0 • قرزأ	1.7	170	11.3	0.84	14.0	13	15
	2.0	200	11.6	0.91	15.2	14	16
	2.5	250	11.9	1.02	17.1	15	17
	3.0	300	12.8	1.14	19.0	14	16
	3.5	350	12.8	1.24	20.6	15	17
	4.0	400	12.8	1.32	22.1	16	19
	4.5	450	12.8	1.41	23.4	17	20
6.0 • قرزأ	1.7	170	11.6	1.01	16.8	15	17
	2.0	200	11.9	1.09	18.2	15	18

2.5	250	12.2	1.22	20.4	16	19	
3.0	300	13.1	1.36	22.7	16	18	
3.5	350	13.1	1.47	24.5	17	20	
4.0	400	13.4	1.57	26.2	18	20	
4.5	450	13.4	1.67	27.9	19	21	
8.0 • قرزأ	1.7	170	11.3	1.35	22.5	21	25
	2.0	200	11.9	1.46	24.3	21	24
	2.5	250	12.5	1.63	27.2	21	24
	3.0	300	13.4	1.81	30.2	20	23
	3.5	350	13.7	1.95	32.6	21	24
	4.0	400	14.0	2.09	34.8	21	25
	4.5	450	14.0	2.22	36.9	23	26
ملاحظة: 2. يلعب القلعة مسقط، جرد 360 ويوازي شاشر لل بيسر التال دعم باسح. جرد 180 ويوازي ليغش لل بيسر التال دعم باسح م							

PGP ULTRA / I-20 / PRB دوسأل رطقلال فصن ري صق لزونل اءاأ تانايب							
س/م لم بي سرتل ل دعم	ق ف د ت ل ا		ر ط ق ل ا ف ص ن	ط غ ص ل ا		ل ز و ن ل ا	
▲	■	ة ق ي ق د ل ا ر ت ل	ع اس ل ا / ر ت م ³	م	kPa	bar	
دوسأ SR * .50	7	6	1.2	0.07	4.9	170	1.7
	7	6	1.3	0.08	5.2	200	2.0
	8	7	1.5	0.09	5.2	250	2.5
	9	8	1.7	0.10	5.2	300	3.0
	9	8	1.9	0.12	5.5	350	3.5
	10	8	2.1	0.13	5.5	400	4.0
	10	9	2.3	0.14	5.5	450	4.5
دوسأ SR * 1.0	16	14	2.7	0.16	4.9	170	1.7
	15	13	2.9	0.17	5.2	200	2.0
	17	14	3.2	0.19	5.2	250	2.5
	18	16	3.6	0.21	5.2	300	3.0
	18	15	3.8	0.23	5.5	350	3.5
	19	16	4.1	0.25	5.5	400	4.0
	20	17	4.3	0.26	5.5	450	4.5
دوسأ SR * 2.0	27	24	4.7	0.28	4.9	170	1.7
	27	23	5.2	0.31	5.2	200	2.0
	31	27	6.0	0.36	5.2	250	2.5
	35	31	6.9	0.41	5.2	300	3.0
	35	30	7.6	0.45	5.5	350	3.5
	38	33	8.2	0.49	5.5	400	4.0
	41	35	8.9	0.53	5.5	450	4.5
دوسأ SR * .75	6	5	2.0	0.12	6.7	170	1.7
	6	5	2.2	0.13	7.0	200	2.0
	7	6	2.4	0.15	7.0	250	2.5
	7	6	2.7	0.16	7.3	300	3.0
	7	6	2.9	0.17	7.6	350	3.5
	7	6	3.1	0.19	7.6	400	4.0
	8	7	3.3	0.20	7.6	450	4.5
دوسأ SR * 1.5	12	10	3.8	0.23	6.7	170	1.7
	12	10	4.1	0.25	7.0	200	2.0
	13	11	4.6	0.28	7.0	250	2.5
	13	12	5.2	0.31	7.3	300	3.0
	13	12	5.6	0.34	7.6	350	3.5
	14	12	6.0	0.36	7.6	400	4.0
	15	13	6.4	0.39	7.6	450	4.5
دوسأ SR * 3.0	27	24	8.9	0.53	6.7	170	1.7
	26	23	9.3	0.56	7.0	200	2.0
	28	24	10.0	0.60	7.0	250	2.5
	28	24	10.7	0.64	7.3	300	3.0
	27	23	11.2	0.67	7.6	350	3.5
	28	24	11.7	0.70	7.6	400	4.0
	29	25	12.1	0.73	7.6	450	4.5

ءط ح ال م:

2. ءل ع ءم ي ق ل ا ءم س ق م ت ت ءءء 360 ءي و ا ز ب ش ا ش ر ل ل ل ب ي س ر ت ل ا ت ال د ع م با س ح ل ءءء 180 ءي و ا ز ب ل ي غ ي ش ت ل ل ل ب ي س ر ت ل ا ت ال د ع م ع ي م ح با س ح م

PGP ULTRA / I-20 / PRB GRAY LOW ANGLE NOZZLE PERFORMANCE DATA					
Nozzle	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
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
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 / PRB MPR-25 RED NOZZLE PERFORMANCE DATA

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

Arc	Pressure	Radius	Flow	Precip in/hr	
	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 / PRB MPR-35 BEIGE NOZZLE PERFORMANCE DATA

Arc	Pressure	Radius	Flow	Precip in/hr	
	PSI	ft	GPM	■	▲
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
Beige 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
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

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