

PGP™ ULTRA

Radius: **4.9 to 14.0 m**

Flow: **0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min**

The PGP Ultra raises the bar for rotor technology with powerful features developed over three decades of research, customer feedback, and lab testing.

KEY BENEFITS

- 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
- Flat-top nozzles allow fast, easy insertion
- QuickCheck™ Arc Mechanism for fast arc adjustment

OPERATING SPECIFICATIONS

- Nozzle choices: 34
- Radius: 4.9 to 14.0 m
- Flow: 0.07 to 3.23 m³/hr; 1.2 to 53.8 l/min
- Recommended pressure range: 1.7 to 4.5 bar; 170 to 450 kPa
- Operating pressure range: 1.4 to 7.0 bar; 140 to 700 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, 6.0 to 13.0 green, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Drain Check Valve (up to 3 m of elevation)
- Reclaimed water ID
- Blue #1.5–4.0 Nozzles

USER-INSTALLED OPTIONS

- Drain Check Valve (up to 1 m of elevation) PGP-04 only (P/N 142300SP)
- HSJ-0 prefabricated ¾" PVC Swing Joint



PGP Ultra Reclaimed

Available as a factory-installed option on all models



PGP Ultra

Easy arc and radius adjustment



PGP-00

Overall height: 19 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-04

Overall height: 19 cm
Pop-up height: 10 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-06

Overall height: 25 cm
Pop-up height: 15 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"



PGP-12

Overall height: 43 cm
Pop-up height: 30 cm
Exposed diameter: 4.5 cm
Inlet size: ¾"

PGP-ULTRA – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1	Model	2	Standard Features	3	Feature Options	4	Nozzle Options
	PGP-00 = Shrub		Adjustable arc, plastic riser, 8 standard nozzles, and 4 low-angle nozzles	CV = Drain Check Valve CV-R = Drain Check Valve and reclaimed water ID		Blue 1.5–8.0 Grey low-angle Black short-radius Green high-flow MPR-25-Q, T, H, F MPR-30-Q, T, H, F MPR-35-Q, T, H, F 1.5 to 4.0 = Only nozzles 1.5-4.0 can be factory-installed	
	PGP-04 = 10 cm pop-up						
	PGP-06 = 15 cm pop-up						
	PGP-12 = 30 cm pop-up						

Examples:

PGP-04 = 10 cm pop-up, adjustable arc

PGP-04-2.5 = 10 cm pop-up, adjustable arc and 2.5 nozzle

PGP-12-CV-R-4.0 = 30 cm pop-up, adjustable arc, with Drain Check Valve and reclaimed water ID with 4.0 nozzle

**PGP ULTRA / I-20 / PRB BLUE STANDARD NOZZLE
PERFORMANCE DATA**

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
1.5 ● Blue	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
2.0 ● Blue	4.5	450	9.4	0.43	7.2	10	11
	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
2.5 ● Blue	4.0	400	10.4	0.50	8.3	9	11
	4.5	450	10.4	0.53	8.8	10	11
	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
3.0 ● Blue	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
	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
4.0 ● Blue	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
	1.7	170	11.3	0.68	11.3	11	12
	2.0	200	11.6	0.73	12.2	11	13
5.0 ● Blue	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
	1.7	170	11.3	0.84	14.0	13	15
6.0 ● Blue	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
8.0 ● Blue	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
8.0 ● Blue	4.5	450	13.4	1.67	27.9	19	21
	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
8.0 ● Blue	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

Note:

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

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

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
2.0 ● LA Grey	1.7	170	7.3	0.33	5.6	12	14
	2.0	200	7.6	0.36	6.0	12	14
	2.5	250	7.9	0.40	6.7	13	15
	3.0	300	8.2	0.45	7.4	13	15
	3.5	350	8.5	0.48	8.0	13	15
	4.0	400	8.8	0.52	8.6	13	15
2.5 ● LA Grey	4.5	450	9.1	0.55	9.1	13	15
	1.7	170	7.9	0.44	7.3	14	16
	2.0	200	8.2	0.47	7.9	14	16
	2.5	250	8.8	0.53	8.8	14	16
	3.0	300	9.4	0.59	9.8	13	15
	3.5	350	10.1	0.64	10.6	13	15
3.5 ● LA Grey	4.0	400	10.4	0.68	11.3	13	15
	4.5	450	10.7	0.72	12.0	13	15
	1.7	170	8.5	0.58	9.7	16	18
	2.0	200	8.8	0.62	10.3	16	18
	2.5	250	9.1	0.68	11.4	16	19
	3.0	300	10.1	0.75	12.5	15	17
4.5 ● LA Grey	3.5	350	10.7	0.80	13.3	14	16
	4.0	400	11.0	0.85	14.1	14	16
	4.5	450	11.3	0.89	14.8	14	16
	1.7	170	8.2	0.71	11.8	21	24
	2.0	200	8.8	0.76	12.7	19	23
	2.5	250	9.1	0.84	14.1	20	23
4.5 ● LA Grey	3.0	300	10.1	0.93	15.5	18	21
	3.5	350	10.7	1.00	16.6	18	20
	4.0	400	11.0	1.06	17.6	18	20
	4.5	450	11.3	1.12	18.6	18	20

**PGP ULTRA / I-20 /
PRB NOZZLES**

Blue Standard /
Grey Low-Angle
(P/N 782900)

Flat-top nozzle for easy insertion coupled with a headed slotted adjustment screw for quick radius adjustment with a Hunter Wrench or a flat-blade screwdriver.

**Pressure Regulation**

Continual operating pressure of 3.1 bar; 310 kPa

I-20 04 with PRB Body**PR-075**

Overall height: 5.7 cm
Inlet/outlet size: 3/4"
For use with all 3/4" inlet sprinklers models, regulates to 3.1 bar; 310 kPa

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

Nozzle		Pressure		Radius		Flow		Precip mm/hr	
		bar	kPa	m	m ³ /hr	l/min	■	▲	
10	Dk. Green	1.7	170	10.7	1.48	24.6	26	30	
		2.0	200	11.9	1.60	26.7	23	26	
		2.5	250	12.5	1.80	30.0	23	27	
		3.0	300	12.8	2.01	33.5	25	28	
		3.5	350	13.1	2.18	36.3	25	29	
		4.0	400	13.7	2.34	39.0	25	29	
13	Dk. Green	1.7	170	11.0	1.91	31.9	32	37	
		2.0	200	12.2	2.08	34.6	28	32	
		2.5	250	12.8	2.34	38.9	29	33	
		3.0	300	13.1	2.61	43.4	30	35	
		3.5	350	13.4	2.83	47.1	31	36	
		4.0	400	13.7	3.03	50.5	32	37	
6.0 LA	Dk. Green	1.7	170	9.1	0.86	14.3	21	24	
		2.0	200	9.4	0.94	15.6	21	24	
		2.5	250	10.1	1.07	17.8	21	24	
		3.0	300	10.7	1.20	20.0	21	24	
		3.5	350	11.3	1.31	21.9	21	24	
		4.0	400	11.6	1.42	23.6	21	24	
8.0 LA	Dk. Green	1.7	170	10.1	1.17	19.5	23	27	
		2.0	200	10.7	1.28	21.3	22	26	
		2.5	250	11.3	1.44	24.0	23	26	
		3.0	300	11.6	1.61	26.9	24	28	
		3.5	350	11.9	1.76	29.3	25	29	
		4.0	400	12.5	1.89	31.5	24	28	
		4.5	450	12.5	2.01	33.6	26	30	

I-20 with Blue Standard Nozzle



Convenient Nozzle Rack



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

Nozzle		Pressure		Radius		Flow		Precip mm/hr	
		bar	kPa	m	m ³ /hr	l/min	■	▲	
.50 SR	Black	1.7	170	4.9	0.07	1.2	6	7	
		2.0	200	5.2	0.08	1.3	6	7	
		2.5	250	5.2	0.09	1.5	7	8	
		3.0	300	5.2	0.10	1.7	8	9	
		3.5	350	5.5	0.12	1.9	8	9	
		4.0	400	5.5	0.13	2.1	8	10	
1.0 SR	Black	1.7	170	4.9	0.16	2.7	14	16	
		2.0	200	5.2	0.17	2.9	13	15	
		2.5	250	5.2	0.19	3.2	14	17	
		3.0	300	5.2	0.21	3.6	16	18	
		3.5	350	5.5	0.23	3.8	15	19	
		4.0	400	5.5	0.25	4.1	16	19	
2.0 SR	Black	1.7	170	4.9	0.28	4.7	24	27	
		2.0	200	5.2	0.31	5.2	23	27	
		2.5	250	5.2	0.36	6.0	27	31	
		3.0	300	5.2	0.41	6.9	31	35	
		3.5	350	5.5	0.45	7.6	30	35	
		4.0	400	5.5	0.49	8.2	33	38	
.75 SR	Black	1.7	170	6.7	0.12	2.0	5	6	
		2.0	200	7.0	0.13	2.2	5	6	
		2.5	250	7.0	0.15	2.4	6	7	
		3.0	300	7.3	0.16	2.7	6	7	
		3.5	350	7.6	0.17	2.9	6	7	
		4.0	400	7.6	0.19	3.1	6	7	
1.5 SR	Black	1.7	170	6.7	0.23	3.8	10	12	
		2.0	200	7.0	0.25	4.1	10	12	
		2.5	250	7.0	0.28	4.6	11	13	
		3.0	300	7.3	0.31	5.2	12	13	
		3.5	350	7.6	0.34	5.6	12	13	
		4.0	400	7.6	0.36	6.0	12	14	
3.0 SR	Black	1.7	170	6.7	0.53	8.9	24	27	
		2.0	200	7.0	0.56	9.3	23	26	
		2.5	250	7.0	0.60	10.0	24	28	
		3.0	300	7.3	0.64	10.7	24	28	
		3.5	350	7.6	0.67	11.2	23	27	
		4.0	400	7.6	0.70	11.7	24	28	
		4.5	450	7.6	0.73	12.1	25	29	

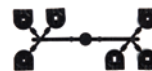
Note:

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

PGP ULTRA / I-20 / PRB NOZZLES



Dk. Green
High-Flow
(P/N 444800)



Black Short-Radius
(P/N 466100)



**PGP ULTRA / I-20 / PRB MPR-25 NOZZLE
PERFORMANCE DATA**

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	7.0	0.17	3.0	13.7	15.8
	2.4	240	7.3	0.20	3.6	14.9	17.3
	3.1	310	7.6	0.23	3.6	15.6	18.1
	3.8	380	7.6	0.25	4.2	17.4	20.1
	4.5	450	7.6	0.27	4.8	18.9	21.9
120° 	1.7	170	7.0	0.23	3.6	13.9	16.0
	2.4	240	7.3	0.27	4.8	15.4	17.8
	3.1	310	7.6	0.31	5.4	16.2	18.7
	3.8	380	7.6	0.35	6.0	18.0	20.7
	4.5	450	7.6	0.38	6.6	19.6	22.6
180° 	1.7	170	7.0	0.33	5.4	13.3	15.4
	2.4	240	7.3	0.39	6.6	14.7	17.0
	3.1	310	7.6	0.45	7.2	15.5	17.9
	3.8	380	7.6	0.50	8.4	17.3	20.0
	4.5	450	7.6	0.55	9.0	18.9	21.8
360° 	1.7	170	7.0	0.63	10.8	12.8	14.8
	2.4	240	7.3	0.76	12.6	14.2	16.4
	3.1	310	7.6	0.87	14.4	14.9	17.3
	3.8	380	7.6	0.97	16.2	16.6	19.2
	4.5	450	7.6	1.05	17.4	18.1	20.9

**MPR-25
NOZZLE****PGP ULTRA / I-20 / PRB MPR-35 NOZZLE
PERFORMANCE DATA**

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	9.8	0.32	5.4	13.4	15.4
	2.4	240	10.4	0.38	6.6	14.1	16.3
	3.1	310	10.7	0.44	7.2	15.3	17.7
	3.8	380	10.7	0.48	7.8	17.0	19.6
	4.5	450	10.7	0.52	9.0	18.4	21.3
120° 	1.7	170	9.8	0.40	6.6	12.7	14.6
	2.4	240	10.4	0.49	8.4	13.6	15.8
	3.1	310	10.7	0.56	9.6	14.7	17.0
	3.8	380	10.7	0.62	10.2	16.4	18.9
	4.5	450	10.7	0.68	11.4	17.9	20.7
180° 	1.7	170	9.8	0.62	10.2	13.1	15.2
	2.4	240	10.4	0.76	12.6	14.1	16.3
	3.1	310	10.7	0.87	14.4	15.2	17.6
	3.8	380	10.7	0.96	16.2	16.9	19.5
	4.5	450	10.7	1.05	17.4	18.4	21.3
360° 	1.7	170	9.8	1.22	20.4	12.8	14.8
	2.4	240	10.4	1.50	25.2	14.0	16.2
	3.1	310	10.7	1.72	28.8	15.1	17.5
	3.8	380	10.7	1.91	31.8	16.8	19.4
	4.5	450	10.7	2.09	34.8	18.3	21.2

**PGP ULTRA / I-20 / PRB MPR-30 NOZZLE
PERFORMANCE DATA**

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min	■	▲
90° 	1.7	170	8.8	0.23	3.6	12.0	13.8
	2.4	240	9.1	0.28	4.8	13.4	15.4
	3.1	310	9.1	0.32	5.4	15.2	17.6
	3.8	380	9.1	0.35	6.0	17.0	19.6
	4.5	450	9.1	0.38	6.6	18.4	21.2
120° 	1.7	170	8.8	0.30	4.8	11.7	13.5
	2.4	240	9.1	0.37	6.0	13.2	15.2
	3.1	310	9.1	0.42	7.2	15.1	17.4
	3.8	380	9.1	0.47	7.8	16.8	19.4
	4.5	450	9.1	0.51	8.4	18.3	21.1
180° 	1.7	170	8.8	0.49	8.4	12.5	14.4
	2.4	240	9.1	0.59	9.6	14.1	16.2
	3.1	310	9.1	0.67	11.4	16.1	18.6
	3.8	380	9.1	0.75	12.6	17.9	20.7
	4.5	450	9.1	0.82	13.8	19.6	22.6
360° 	1.7	170	8.8	0.96	16.2	12.3	14.2
	2.4	240	9.1	1.15	19.2	13.8	15.9
	3.1	310	9.1	1.31	21.6	15.7	18.1
	3.8	380	9.1	1.45	24.0	17.4	20.0
	4.5	450	9.1	1.57	26.4	18.8	21.7

**MPR-30
NOZZLE**

PGP-04 Ultra with MPR-30 Nozzle

