

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.



- 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
- $0.07 \square 2.22\text{m}^3/\text{hr} \square 1.2 \square 36.9 \text{ l/min}$
- Nozzle discharge pressure: 3.1 bar; 310 kPa
- $2.4 \square 7.0 \text{ bar} \square 240 \square 700 \text{ kPa}$
- $4.1 \square 7.0 \text{ bar} \square 410 \square 700 \text{ kPa}$
- 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 3/4" PVC swing joint

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	□	□	□	□	□	□	□
	bar	kPa	m	□/min	■	▲	mm/h
1.5 • □	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 • □	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 • □	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 • □	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 • □	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 • □	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 • □	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 * □	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
□							
□□□□□□□□ 180 □□□□□□ 360° □□□□□□ 2□							

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	□□		□□	□□		□□□□ mm/h		
	bar	kPa	m	□□□ l/min	■	▲		
.50 SR *	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
		4.5	450	5.5	0.14	2.3	9	10
1.0 SR *	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	18
		4.0	400	5.5	0.25	4.1	16	19
2.0 SR *	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 *	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 *	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 *	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	

□□
 180  360°  2□












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						mm/h		
	bar	kPa	m	 /l/min				
2.0 LA *	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
		4.5	450	9.1	0.55	9.1	13	15
2.5 LA *	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
		4.0	400	10.4	0.68	11.3	13	15
		4.5	450	10.7	0.72	12.0	13	15
3.5 LA *	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	
		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
4.5 LA *	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	
	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






















 180  360°  2












PGP ULTRA / I-20 / PRB MPR-25

						 mm/h	
	bar	kPa	m	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

PGP ULTRA / I-20 / PRB MPR-30

						 mm/h	
	bar	kPa	m	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

PGP ULTRA / I-20 / PRB MPR-35

						 mm/h	
	bar	kPa	m	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

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