

# PGP ULTRA

APPLICATION  
Residential/Light Commercial

RADIUS  
17' to 47'

FLOW RATE  
0.36 to 14.8 GPM

## THIS UPGRADE OF THE FIRST-CLASS PGP IS PACKED WITH NEW FEATURES.

### FEATURES

- Models: Shrub, 4", 12"
- Arc setting: 50 to 360 degrees
- Nozzle choices: 22
- Nozzle racks: 1.5 to 8.0 blue, 2.0 LA to 4.5 LA gray, 0.50 to 3.0 black, 6.0 to 13.0 green
- Factory installed rubber cover
- Through-the-top arc adjustment
- Quick check arc mechanism
- Water lubricated gear-drive
- Warranty period: 3 years

### ADVANCED FEATURES

- Automatic arc return
  - Non-strippable drive
  - Part- and full-circle in one model
  - Headed and slotted set screw
  - Reclaimed water ID (optional)
  - Drain check valve (optional)
  - Low angle nozzle choices
- = Detailed descriptions on pages 10 and 11

### OPERATING SPECIFICATIONS

Radius: 17' to 47'  
 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

### FACTORY INSTALLED OPTIONS

Nozzles: 1.5 to 4.0 GPM  
 Drain check valve (up to 10' of elevation)  
 Reclaimed water ID cover

### USER INSTALLED OPTIONS

Drain check valve (up to 10' of elevation; P/N 142300)

**NEW NOZZLE SCREW.  
ADJUST THE WAY YOU WANT TO.**



Square top nozzle makes installation easy



**PGP-00:** Overall height: 7½"  
Exposed diameter: 1¾"  
Inlet size: ¾" female NPT



**PGP-04:** Overall height: 7½"  
Pop-up height: 4"  
Exposed diameter: 1¾"  
Inlet size: ¾" female NPT



**PGP-12:** Overall height: 17"  
Pop-up height: 12"  
Exposed diameter: 1¾"  
Inlet size: ¾" female NPT



## SPECIFICATIONBUILDER

[www.hunterindustries.com/PGPULTRA](http://www.hunterindustries.com/PGPULTRA)

MODELS	STANDARD FEATURES	FEATURE OPTIONS	NOZZLE OPTIONS
PGP-00 - Shrub PGP-04 = 4" pop-up PGP-12 = 12" pop-up	Adjustable arc, plastic riser, 8 standard nozzles, and 4 low-angle nozzles.	CV, CV-R CV = Drain check valve CV-R = Drain check valve and reclaimed water ID	1.5 to 4.0 - Factory installed nozzle number

### EXAMPLES

<b>PGP-04</b>	4" pop-up, adjustable arc
<b>PGP-04 - 2.5</b>	4" pop-up, adjustable arc, and 2.5 nozzle
<b>PGP-12 - CV-R - 4.0</b>	12" pop-up, adjustable arc, with drain check valve, reclaimed water ID, and 4.0 nozzle

# PGP ULTRA CHARTS



**PGP Ultra Blue Standard Nozzle**  
Performance Data (P/N 782900)

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
<b>1.5</b>	25	29	1.2	0.27	0.32
	35	31	1.4	0.28	0.32
	<b>45</b>	<b>31</b>	<b>1.5</b>	<b>0.30</b>	<b>0.35</b>
	55	32	1.8	0.34	0.39
65	32	1.9	0.36	0.41	
<b>2.0</b>	25	33	1.4	0.25	0.29
	35	33	1.7	0.30	0.35
	<b>45</b>	<b>34</b>	<b>2.0</b>	<b>0.33</b>	<b>0.38</b>
	55	34	2.1	0.35	0.40
65	32	2.3	0.43	0.50	
<b>2.5</b>	25	33	1.7	0.30	0.35
	35	35	2.1	0.33	0.38
	<b>45</b>	<b>35</b>	<b>2.5</b>	<b>0.39</b>	<b>0.45</b>
	55	35	2.6	0.41	0.47
65	35	2.9	0.46	0.53	
<b>3.0</b>	25	35	2.2	0.35	0.40
	35	36	2.7	0.40	0.46
	<b>45</b>	<b>38</b>	<b>3.0</b>	<b>0.40</b>	<b>0.46</b>
	55	39	3.4	0.43	0.50
65	39	3.7	0.47	0.54	
<b>4.0</b>	25	37	3.0	0.42	0.49
	35	39	3.5	0.44	0.51
	<b>45</b>	<b>40</b>	<b>4.0</b>	<b>0.48</b>	<b>0.56</b>
	55	41	4.5	0.52	0.60
65	41	4.8	0.55	0.63	
<b>5.0</b>	25	37	3.7	0.52	0.60
	35	39	4.5	0.57	0.66
	<b>45</b>	<b>42</b>	<b>5.0</b>	<b>0.55</b>	<b>0.63</b>
	55	42	5.7	0.62	0.72
65	42	6.2	0.68	0.78	
<b>6.0</b>	25	38	4.3	0.57	0.66
	35	40	5.6	0.67	0.78
	<b>45</b>	<b>43</b>	<b>6.0</b>	<b>0.62</b>	<b>0.72</b>
	55	44	6.7	0.67	0.77
65	44	7.3	0.73	0.84	
<b>8.0</b>	25	37	6.0	0.84	0.97
	35	41	7.0	0.80	0.93
	<b>45</b>	<b>44</b>	<b>8.0</b>	<b>0.80</b>	<b>0.92</b>
	55	46	9.0	0.82	0.95
65	46	9.8	0.89	1.03	

**PGP Ultra Low Angle Nozzle**  
Performance Data (P/N 782900)

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

**PGP Ultra High Flow Standard Nozzle**  
Performance Data (P/N 444800)

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
<b>10</b>	40	42	8.4	0.92	1.06
	50	43	9.5	0.99	1.14
	<b>60</b>	<b>45</b>	<b>10.5</b>	<b>1.00</b>	<b>1.15</b>
	70	47	11.4	0.99	1.15
<b>13</b>	40	43	10.9	1.13	1.31
	50	44	12.3	1.22	1.41
	<b>60</b>	<b>45</b>	<b>13.6</b>	<b>1.29</b>	<b>1.49</b>
	70	47	14.8	1.29	1.49
<b>6.0</b> <b>LA</b>	30	31	4.2	0.84	0.97
	40	35	5.0	0.79	0.91
	<b>50</b>	<b>37</b>	<b>5.8</b>	<b>0.82</b>	<b>0.94</b>
60	39	6.3	0.80	0.92	
<b>8.0</b> <b>LA</b>	40	37	6.7	0.94	1.09
	50	39	7.7	0.97	1.13
	<b>60</b>	<b>41</b>	<b>8.5</b>	<b>0.97</b>	<b>1.12</b>
70	41	9.2	1.05	1.22	

**PGP Ultra 18 Short Radius Nozzle**  
Performance Data (P/N 466100)

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
<b>.50</b> <b>SR</b>	30	17	0.36	0.24	0.28
	40	17	0.43	0.29	0.33
	<b>50</b>	<b>18</b>	<b>0.50</b>	<b>0.30</b>	<b>0.34</b>
	60	19	0.57	0.30	0.35
<b>1.0</b> <b>SR</b>	30	17	0.78	0.52	0.60
	40	17	0.90	0.60	0.69
	<b>50</b>	<b>18</b>	<b>1.0</b>	<b>0.59</b>	<b>0.69</b>
	60	19	1.1	0.59	0.68
<b>2.0</b> <b>SR</b>	30	17	1.4	0.93	1.08
	40	17	1.7	1.13	1.31
	<b>50</b>	<b>18</b>	<b>2.0</b>	<b>1.19</b>	<b>1.37</b>
	60	19	2.2	1.17	1.35

**PGP Ultra 25 Short Radius Nozzle**  
Performance Data (P/N 466100)

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
<b>.75</b> <b>SR</b>	30	23	0.58	0.21	0.24
	40	24	0.68	0.23	0.26
	<b>50</b>	<b>25</b>	<b>0.75</b>	<b>0.23</b>	<b>0.27</b>
	60	26	0.83	0.24	0.27
<b>1.5</b> <b>SR</b>	30	23	1.1	0.40	0.46
	40	24	1.3	0.43	0.50
	<b>50</b>	<b>25</b>	<b>1.5</b>	<b>0.46</b>	<b>0.53</b>
	60	26	1.6	0.46	0.53
<b>3.0</b> <b>SR</b>	30	23	2.5	0.91	1.05
	40	24	2.7	0.90	1.04
	<b>50</b>	<b>25</b>	<b>3.0</b>	<b>0.92</b>	<b>1.07</b>
	60	26	3.1	0.88	1.02

**Note:** All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2. Optimum nozzle performance shown in bold.