

# Product Specifications

## PGP Gear Drive Sprinkler

### Features:

- ❖ Superior coverage- 20 standard and 7 low angle nozzles available
- ❖ Blank nozzle- easy and quick shutdown of individual rotors
- ❖ Long -life water lubricated gear drive
- ❖ Advanced wiper seal- pressure activated riser seal
- ❖ Heavy duty spring- positive retraction in harsh conditions
- ❖ Drain check valve- reduces liability and saves water
- ❖ Dirty water screen- stops clogging
- ❖ Rubber cover stops dirt getting in

### Specifications:

- ❖ Discharge rate: .5 to 14.1 GPM (0.11 to 3.20 m3/hr; 1.9 to 53.4 l/min)
- ❖ Radius: 22' to 52' (6.7 to 15.8 m)
- ❖ Recommended pressure range: 30 to 70 PSI (2.1 to 4.8 bars; 206 to 482 kPa)
- ❖ Operating pressure range: 20 to 100 PSI (1.4 to 6.9 bars; 137 to 689 kPa)
- ❖ Precipitation rates: approximately .4" (10 mm) per hour at 50 PSI (3.4 bars; 344 kPa) for spacing from 25' to 45' (7.6 to 13.7 m)
- ❖ Nozzle trajectory: standard – 25°, low angle – 13°



### PGP Standard Nozzle (Red) Performance Data – Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m3/hr	l/min	■	▲
<b>1</b>	1.7	172	8.2	0.10	1.7	3	3
	2.0	200	8.5	0.11	1.8	3	3
	2.5	248	8.5	0.13	2.1	4	4
	3.0	303	8.8	0.15	2.4	4	4
	<b>3.5</b>	<b>352</b>	<b>8.8</b>	<b>0.16</b>	<b>2.7</b>	<b>4</b>	<b>5</b>
	4.0	400	9.1	0.18	2.9	4	5
<b>2</b>	4.5	448	9.1	0.19	3.2	5	5
	1.7	172	8.5	0.14	2.4	4	5
	2.0	200	8.8	0.16	2.6	4	5
	2.5	248	8.8	0.17	2.9	4	5
	3.0	303	9.1	0.19	3.2	5	5
	<b>3.5</b>	<b>352</b>	<b>9.1</b>	<b>0.21</b>	<b>3.5</b>	<b>5</b>	<b>6</b>
<b>3</b>	4.0	400	9.4	0.22	3.7	5	6
	4.5	448	9.4	0.23	3.9	5	6
	1.7	172	8.8	0.18	3.0	5	5
	2.0	200	9.1	0.20	3.3	5	5
	2.5	248	9.1	0.22	3.7	5	6
	3.0	303	9.4	0.25	4.1	6	6
<b>4</b>	<b>3.5</b>	<b>352</b>	<b>9.4</b>	<b>0.27</b>	<b>4.5</b>	<b>6</b>	<b>7</b>
	4.0	400	9.8	0.29	4.8	6	7
	4.5	448	9.8	0.31	5.1	6	7
	1.7	172	9.4	0.24	4.1	5	6
	2.0	200	9.8	0.27	4.4	6	6
	2.5	248	9.8	0.30	5.0	6	7
<b>5</b>	3.0	303	10.1	0.34	5.6	7	8
	<b>3.5</b>	<b>352</b>	<b>10.1</b>	<b>0.37</b>	<b>6.2</b>	<b>7</b>	<b>8</b>
	4.0	400	10.4	0.40	6.6	7	9
	4.5	448	10.4	0.43	7.1	8	9
	1.7	172	10.1	0.33	5.5	7	8
	2.0	200	10.4	0.36	5.9	7	8
<b>6</b>	2.5	248	10.4	0.39	6.5	7	8
	3.0	303	11.0	0.43	7.2	7	8
	<b>3.5</b>	<b>352</b>	<b>11.6</b>	<b>0.46</b>	<b>7.7</b>	<b>7</b>	<b>8</b>
	4.0	400	11.6	0.49	8.1	7	8
	4.5	448	11.6	0.51	8.6	8	9
	1.7	172	10.1	0.42	6.9	8	10
<b>7</b>	2.0	200	10.4	0.45	7.5	8	10
	2.5	248	10.7	0.51	8.5	9	10
	3.0	303	11.0	0.57	9.4	9	11
	<b>3.5</b>	<b>352</b>	<b>11.6</b>	<b>0.61</b>	<b>10.2</b>	<b>9</b>	<b>11</b>
	4.0	400	11.6	0.66	10.9	10	11
	4.5	448	11.9	0.70	11.6	10	11
<b>8</b>	1.7	172	10.1	0.54	9.0	11	12
	2.0	200	10.4	0.58	9.7	11	12
	2.5	248	11.0	0.65	10.8	11	12
	3.0	303	11.6	0.72	12.0	11	12
	<b>3.5</b>	<b>352</b>	<b>12.2</b>	<b>0.78</b>	<b>12.9</b>	<b>10</b>	<b>12</b>
	4.0	400	12.2	0.83	13.8	11	13
<b>8</b>	4.5	448	12.2	0.88	14.6	12	14
	1.7	172	11.0	0.66	11.0	11	13
	2.0	200	11.3	0.71	11.8	11	13
	2.5	248	11.6	0.79	13.2	12	14
	3.0	303	11.9	0.87	14.5	12	14
	<b>3.5</b>	<b>352</b>	<b>12.5</b>	<b>0.94</b>	<b>15.6</b>	<b>12</b>	<b>14</b>
4.0	400	12.5	1.00	16.6	13	15	
4.5	448	12.8	1.05	17.6	13	15	