



## I-20-00

**Brand:** Landscape Irrigation

**Product Line:** Rotors

**Product Model:** I-20

**SKU:** I2000

**Description:** I-20 Rotor, shrub, adjustable from 50° to 360°, ¾" inlet, check valve

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### Dimensions

**Height:** 7.75"

**Pop-up Height:** Shrub

**Diameter:** 1.75"

**Inlet Size:** ¾"



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### Operating Specifications

**Arc:** 50° to 360°

**Operating Pressure:** 60 to 100 PSI

**Precipitation Rate:** 0.4 in/hr

**Radius:** 17' to 46'

**Flow:** 0.36 to 9.8 GPM

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### Shipping Information

**UPC-A:** 0611698158746

**Qty. / Bag:** 20

**Ocean Pallet:** 2700

**Land Pallet:** 2400

**Master Carton:** 20

| PGP Ultra / I-20 Blue Standard<br>Nozzle Performance Data                                                                                                                                        |           |           |            |              |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------------|--------------|-------------|
| Nozzle                                                                                                                                                                                           | Pressure  | Radius    | Flow       | Precip in/hr |             |
|                                                                                                                                                                                                  | PSI       | ft        | GPM        | ■            | ▲           |
| 1.5<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 2.0<br>●<br>Blue                                                                                                                                                                                 | 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        | 34        | 2.3        | 0.38         | 0.44        |
| 2.5<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 3.0<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 4.0<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 5.0<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 6.0<br>●<br>Blue                                                                                                                                                                                 | 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        |
| 8.0<br>●<br>Blue                                                                                                                                                                                 | 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        |
| <b>Notes:</b><br><br><b>Bold</b> = Recommended pressure.<br><br>All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2. |           |           |            |              |             |

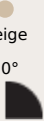
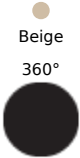
| PGP Ultra / I-20 Grey Low Angle Nozzle Performance Data                                                                                                                                          |           |           |            |              |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|------------|--------------|-------------|
| Nozzle                                                                                                                                                                                           | Pressure  | Radius    | Flow       | Precip in/hr |             |
|                                                                                                                                                                                                  | PSI       | ft        | GPM        | ■            | ▲           |
| 2.0<br>●<br>Grey                                                                                                                                                                                 | 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        |
| 2.5<br>●<br>Grey                                                                                                                                                                                 | 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        |
| 3.5<br>●<br>Grey                                                                                                                                                                                 | 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        |
| 4.5<br>●<br>Grey                                                                                                                                                                                 | 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        |
| <b>Notes:</b><br><br><b>Bold</b> = Recommended pressure.<br><br>All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2. |           |           |            |              |             |

| PGP Ultra / I-20 High Flow Nozzle Performance Data                                                                                            |           |           |             |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Nozzle                                                                                                                                        | Pressure  | Radius    | Flow        | Precip in/hr                                                                      |                                                                                   |
|                                                                                                                                               | PSI       | ft        | GPM         |  |  |
| <div>10</div> <div></div> <div>Dk. Green</div>                | 40        | 42        | 8.4         | 0.92                                                                              | 1.06                                                                              |
|                                                                                                                                               | <b>50</b> | <b>43</b> | <b>9.5</b>  | <b>0.99</b>                                                                       | <b>1.14</b>                                                                       |
|                                                                                                                                               | 60        | 45        | 10.5        | 1.00                                                                              | 1.15                                                                              |
|                                                                                                                                               | 70        | 47        | 11.4        | 0.99                                                                              | 1.15                                                                              |
| <div>13</div> <div></div> <div>Dk. Green</div>                | 40        | 43        | 10.9        | 1.13                                                                              | 1.31                                                                              |
|                                                                                                                                               | <b>50</b> | <b>44</b> | <b>12.3</b> | <b>1.22</b>                                                                       | <b>1.41</b>                                                                       |
|                                                                                                                                               | 60        | 45        | 13.6        | 1.29                                                                              | 1.49                                                                              |
|                                                                                                                                               | 70        | 47        | 14.8        | 1.29                                                                              | 1.49                                                                              |
| <div>6.0</div> <div></div> <div>LA</div> <div>Dk. Green</div> | 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                                                                              |
| <div>8.0</div> <div></div> <div>LA</div> <div>Dk. Green</div> | 40        | 37        | 6.7         | 0.94                                                                              | 1.09                                                                              |
|                                                                                                                                               | <b>50</b> | <b>39</b> | <b>7.7</b>  | <b>0.97</b>                                                                       | <b>1.13</b>                                                                       |
|                                                                                                                                               | 60        | 41        | 8.5         | 0.97                                                                              | 1.12                                                                              |
|                                                                                                                                               | 70        | 41        | 9.2         | 1.05                                                                              | 1.22                                                                              |
| <b>Notes:</b>                                                                                                                                 |           |           |             |                                                                                   |                                                                                   |
| <b>Bold</b> = 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 Black Short Radius Nozzle Performance Data                                                                                |           |           |             |                                                                                     |                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Nozzle                                                                                                                                     | Pressure  | Radius    | Flow        | Precip in/hr                                                                        |                                                                                     |
|                                                                                                                                            | PSI       | ft        | GPM         |  |  |
| <div>.50</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <div>1.0</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <div>2.0</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <div>.75</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <div>1.5</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <div>3.0</div> <div></div> <div>SR</div> <div>Black</div> | 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                                                                                |
| <b>Notes:</b>                                                                                                                              |           |           |             |                                                                                     |                                                                                     |
| <b>Bold</b> = 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 MPR-25 RED NOZZLE PERFORMANCE DATA                                                                           |          |        |      |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------|----------|--------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Arc                                                                                                                           | Pressure | Radius | Flow | Precip in/hr                                                                        |                                                                                     |
|                                                                                                                               | PSI      | ft     | GPM  |  |  |
| <div>Red</div> <div>90°</div> <div></div>  | 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                                                                                |
| <div>Red</div> <div>120°</div> <div></div> | 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                                                                                |
| <div>Red</div> <div>180°</div> <div></div> | 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                                                                                |
| <div>Red</div> <div>360°</div> <div></div> | 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 MPR-30 LT. GREEN NOZZLE PERFORMANCE DATA                                                                           |          |        |      |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|--------|------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Arc                                                                                                                                 | Pressure | Radius | Flow | Precip in/hr                                                                          |                                                                                       |
|                                                                                                                                     | PSI      | ft     | GPM  |  |  |
| <div>Lt. Green</div> <div>90°</div> <div></div>  | 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                                                                                  |
| <div>Lt. Green</div> <div>120°</div> <div></div> | 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                                                                                  |
| <div>Lt. Green</div> <div>180°</div> <div></div> | 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                                                                                  |
| <div>Lt. Green</div> <div>360°</div> <div></div> | 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 MPR-35 BEIGE NOZZLE PERFORMANCE DATA                                           |          |        |      |              |      |
|-------------------------------------------------------------------------------------------------|----------|--------|------|--------------|------|
| Arc                                                                                             | Pressure | Radius | Flow | Precip in/hr |      |
|                                                                                                 | PSI      | ft     | GPM  | ■            | ▲    |
|  Beige<br>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<br>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<br>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<br>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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