



## I-20-04-R

ءارضخ لآ اآاطس م لآ یر :ءیراآ لآ ءم الء لآ

ءراود آاشاشر :آاآ لآ نم لآ طخ

آآ لآ نم لآ زارط : I-20

نوزخ م لآ ب طاف لآ ءآو : I2004R

ءآ لآ ف ،ءآرد 360 ىل إ 50 نم لآ ءىء لآ لآ لآ باق ،مس 10 ، I-20 راود شاشر :فصولا  
ءآ لآ ءم لآ هاى م لآ فّرعم ،ءاء لآ لآ ع نام مامص ،ءصوب 3/4 لآ ءل

### Dimensions

ءاف لآ رالآ : 209.55 مم

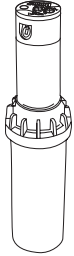
ىلآ مآ آ لآ ءاف لآ رالآ : 18 cm

زفاق لآ ءاف لآ رالآ : 4"

رطق : 44.45 مم

فوش كم لآ رطق لآ : 44.45 مم

لآ ءم لآ مآ آ : 3/4"



### Operating Specifications

Arc: 50° to 360°

Operating Pressure: 4.1 إلى 7.0 bar؛ 410 إلى 700 لآ كس ابولى ك

Precipitation Rate: 10 ءعاس/م لآ م

Radius: 4.9 إلى 14.0 م

Flow: 0.07 إلى 2.22 م3/ءعاس؛ 1.2 إلى 36.0 ءق قءر لآ

### Shipping Information

UPC-A: 0611698158050

ءبى قق لآ ءل/ءى م ك لآ : 20

ىلآ طى آ م آول : 1800

ىلآ ضرأ آول : 1440

ءى سى ءر ءن وءرك : 20

| PGP Ultra / I-20 Grey Low Angle<br>Nozzle Performance Data                                                                                        |          |     |        |       |       |                                                                                     |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|--------|-------|-------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Nozzle                                                                                                                                            | Pressure |     | Radius | Flow  |       | Precip mm/hr                                                                        |                                                                                     |
|                                                                                                                                                   | bar      | kPa | m      | m³/hr | l/min |  |  |
| 2.0 LA<br><br>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                                                                                  |
|                                                                                                                                                   | 4.5      | 450 | 9.1    | 0.55  | 9.1   | 13                                                                                  | 15                                                                                  |
| 2.5 LA<br><br>Grey                                               | 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<br><br>Grey                                               | 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<br><br>Grey                                               | 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                                                                                  |
| <b>Notes:</b><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<br>Performance Data                                                                                             |          |     |        |       |       |              |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|--------|-------|-------|--------------|----|
| Nozzle                                                                                                                                            | Pressure |     | Radius | Flow  |       | Precip mm/hr |    |
|                                                                                                                                                   | bar      | kPa | m      | m³/hr | l/min | ■            | ▲  |
| 10<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 14.0   | 2.49  | 41.5  | 25           | 29 |
| 13<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 14.0   | 3.23  | 53.8  | 33           | 38 |
| 6.0 LA<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 11.9   | 1.52  | 25.3  | 21           | 25 |
| 8.0 LA<br>●<br>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 |
| <b>Notes:</b><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 Black Short Radius<br>Nozzle Performance Data                                                                                    |          |     |        |       |       |              |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|--------|-------|-------|--------------|----|
| Nozzle                                                                                                                                            | Pressure |     | Radius | Flow  |       | Precip mm/hr |    |
|                                                                                                                                                   | bar      | kPa | m      | m³/hr | l/min | ■            | ▲  |
| .50 SR<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 5.5    | 0.14  | 2.3   | 9            | 10 |
| 1.0 SR<br>●<br>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           | 18 |
|                                                                                                                                                   | 4.0      | 400 | 5.5    | 0.25  | 4.1   | 16           | 19 |
|                                                                                                                                                   | 4.5      | 450 | 5.5    | 0.26  | 4.3   | 17           | 20 |
| 2.0 SR<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 5.5    | 0.53  | 8.9   | 35           | 41 |
| .75 SR<br>●<br>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  |
|                                                                                                                                                   | 4.5      | 450 | 7.6    | 0.20  | 3.3   | 7            | 8  |
| 1.5 SR<br>●<br>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 |
|                                                                                                                                                   | 4.5      | 450 | 7.6    | 0.39  | 6.4   | 13           | 15 |
| 3.0 SR<br>●<br>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 |
| <b>Notes:</b><br>All precipitation rates calculated for 180 degree operation. For the precipitation rate for a 360 degree sprinkler, divide by 2. |          |     |        |       |       |              |    |

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