

PGP® Ultra & I-20 PRB

The PGP Ultra and I-20 PRB are built to thrive in applications where high water pressure could otherwise lead to inefficient nozzle operation.

KEY BENEFITS

- Pressure-regulated body (45 PSI) reduces high incoming pressure to increase nozzle efficiency
- Patented automatic arc return feature returns the turret back to the original arc pattern if vandalized; adjustable arc from 50° to 360°
- Non-strippable drive mechanism is protected from damage if turned in the opposite direction of travel
- Part- and full-circle in one model for flexibility across landscapes and reduced inventory
- Headed and slotted setscrew allows radius adjustment with a Hunter Wrench or flat-blade screwdriver
- FloStop® closes the flow of water from individual sprinklers, for nozzle changes or repairs (I-20 only)
- Flat-top nozzles allow fast, easy insertion
- QuickCheck™ Arc Mechanism for fast arc adjustment
- Available stainless steel riser for extra durability
- Drain Check Valve prevents low-head drainage (up to 10' of elevation)



OPERATING SPECIFICATIONS

- Nozzle choices: 30
- Radius: 17' to 46'
- Flow: 0.36 to 9.8 GPM
- Nozzle discharge pressure: 45 PSI
- Operating pressure range: 35 to 100 PSI
- Recommended pressure range: 60 to 100 PSI
- Precipitation rate: 0.4 in/hr approximately
- Nozzle trajectory: standard = 25°, low-angle = 13°
- Nozzle racks: 1.5 to 8.0 blue, 2.0 to 4.5 low-angle gray, 0.50 to 3.0 black, MPR-25, MPR-30, MPR-35
- Warranty period: 5 years

FACTORY-INSTALLED OPTIONS

- Reclaimed water ID
- Blue 1.5–4.0 nozzles

USER-INSTALLED OPTIONS

- HSJ-0 prefabricated ¾" PVC Swing Joint

PGP ULTRA / I-20 / PRB BLUE STANDARD NOZZLE PERFORMANCE DATA

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

Notes:

Bold = 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 / PRB BLACK SHORT RADIUS NOZZLE PERFORMANCE DATA

| Nozzle | Pressure | Radius | Flow | Precip in/hr | |
|----------------------|-----------|-----------|-------------|--------------|-------------|
| | PSI | ft | GPM | ■ | ▲ |
| .50 SR * Black | 30 | 17 | 0.36 | 0.24 | 0.28 |
| | 40 | 17 | 0.43 | 0.29 | 0.33 |
| | 50 | 18 | 0.50 | 0.30 | 0.34 |
| | 60 | 19 | 0.57 | 0.30 | 0.35 |
| 1.0 SR * Black | 30 | 17 | 0.78 | 0.52 | 0.60 |
| | 40 | 17 | 0.90 | 0.60 | 0.69 |
| | 50 | 18 | 1.0 | 0.59 | 0.69 |
| | 60 | 19 | 1.1 | 0.59 | 0.68 |
| 2.0 SR * Black | 30 | 17 | 1.4 | 0.93 | 1.08 |
| | 40 | 17 | 1.7 | 1.13 | 1.31 |
| | 50 | 18 | 2.0 | 1.19 | 1.37 |
| | 60 | 19 | 2.2 | 1.17 | 1.35 |
| .75 SR * Black | 30 | 23 | 0.58 | 0.21 | 0.24 |
| | 40 | 24 | 0.68 | 0.23 | 0.26 |
| | 50 | 25 | 0.75 | 0.23 | 0.27 |
| | 60 | 26 | 0.83 | 0.24 | 0.27 |
| 1.5 SR * Black | 30 | 23 | 1.1 | 0.40 | 0.46 |
| | 40 | 24 | 1.3 | 0.43 | 0.50 |
| | 50 | 25 | 1.5 | 0.46 | 0.53 |
| | 60 | 26 | 1.6 | 0.46 | 0.53 |
| 3.0 SR * Black | 30 | 23 | 2.5 | 0.91 | 1.05 |
| | 40 | 24 | 2.7 | 0.90 | 1.04 |
| | 50 | 25 | 3.0 | 0.92 | 1.07 |
| | 60 | 26 | 3.1 | 0.88 | 1.02 |

Notes:

Bold = 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 / PRB GRAY LOW ANGLE NOZZLE PERFORMANCE DATA





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

Notes:





Bold = 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 / PRB MPR-25 RED NOZZLE PERFORMANCE DATA

| Arc | Pressure | Radius | Flow | Precip in/hr | |
|--|----------|--------|------|--------------|------|
| | PSI | ft | GPM | ■ | ▲ |
| Red 90°  | 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 |
| Red 120°  | 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 |
| Red 180°  | 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 |
| Red 360°  | 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 / PRB MPR-30 LT. GREEN NOZZLE PERFORMANCE DATA

| Arc | Pressure | Radius | Flow | Precip in/hr | |
|--|----------|--------|------|--------------|------|
| | PSI | ft | GPM | ■ | ▲ |
| Lt. Green 90°  | 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 |
| Lt. Green 120°  | 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 |
| Lt. Green 180°  | 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 |
| Lt. Green 360°  | 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 / PRB MPR-35 BEIGE NOZZLE PERFORMANCE DATA

| Arc | Pressure | Radius | Flow | Precip in/hr | |
|--|----------|--------|------|--------------|------|
| | PSI | ft | GPM | ■ | ▲ |
| Beige 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 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 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 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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