



DL2000® SERIES PC DRIPLINE BIDDING SPECIFICATIONS

The drip tubing shall be a pre-bonded emitter type with each emitter having dual discharge ports on opposing sides of the tubing. The drip tubing shall be black in color, with a red stripe, and consist of nominal-sized, linear low-density 5/8" (15,8mm) polyethylene with an outside diameter (O.D.) of approximately .710" (18mm) and an inside diameter (I.D.) of approximately .620" (16mm).

The tubing shall have the emitters spaced every _____ (12" or 18") inches and with flow rates of _____ (0.53 or 1.06) gallons per hour (GPH). The emitters shall be continuously self-flushing and pressure-compensating. They shall incorporate a circular silicon rubber disk designed to flush at low pressure during startup, during the irrigation cycle if the emitter begins to clog, and as pressure drops during shut-down to inhibit debris collection within the critical flow path of the emitter. The emitters shall have a Coefficient of Variation (Cv) \leq 5% and a Flow Exponent of 0.05 to assure efficient performance.

The drip tubing with emitters shall be manufactured with ROOTGUARD® technology and be warranted against root intrusion for seven (7) years. The emitters themselves shall be molded with a material blend that includes a polyethylene resin and a polymeric base infused with the pre-emergent Treflan®. The polymeric base shall assure a long-term, controlled release of Treflan in such small quantities that a non-toxic condition is maintained while preventing root intrusion into the emitter's outlets. Further, the emitters shall be manufactured under one or more of the following ROOTGUARD® patent numbers: USA: 5116414; Greece: 860665; Spain: 8801569; South Africa: 8601133; Italy: 1191544; Australia: 8654113; France: 2581833; U.K.: 2174884.

The drip tubing shall be model number _____ and shall be manufactured by The Toro Company, Irrigation Division, Riverside, California, USA.

Performance Specifications

- Minimum operating pressure: 5 psi (0,20 Bar)
- Maximum operating pressure: 60 psi (4,0 Bar)
- Coefficient of variance (Cv):
 - Pressure-compensating: < .05
- Emitter outlet: Dual/opposing
- Emitter flow:
 - RGX-2XX-XX 0.53 GPH (2 LPH)
 - RGX-4XX-XX 1.02 GPH (4 LPH)
- Emitter spacing:
 - RGX-X12-XX 12" (30cm)
 - RGX-X18-XX 18" (45cm)

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Performance Specifications (continued)

Maximum length of run

- RGP-212-XX:
 - 250' @ 15 psi (76m @ 1,03 Bar)
 - 360' @ 25 psi (110m @ 1,72 Bar)
 - 400' @ 30 psi (122m @ 2,07 Bar)
 - 460' @ 40 psi (140m @ 2.76 Bar)

- RGP-412-XX:
 - 160' @ 15 psi (49m @ 1,03 Bar)
 - 240' @ 25 psi (73m @ 1,72 Bar)
 - 260' @ 30 psi (79m @ 2,07 Bar)
 - 300' @ 40 psi (91m @ 2.76 Bar)

- RGP-218-XX:
 - 350' @ 15 psi (107m @ 1,03 Bar)
 - 515' @ 25 psi (157m @ 1,72 Bar)
 - 565' @ 30 psi (172m @ 2,07 Bar)
 - 650' @ 40 psi (198m @ 2.76 Bar)

- RGP-418-XX:
 - 240' @ 15 psi (73m @ 1,03 Bar)
 - 340' @ 25 psi (104m @ 1,72 Bar)
 - 375' @ 30 psi (114m @ 2,07 Bar)
 - 430' @ 40 psi (131m @ 2.76 Bar)

Dimensions (L x I.D x O.D.)

- RGP-XXX-01: 100' x .620" x .710"
(30.5m x 16mm x 18mm)
- RGP-XXX-05: 500' x .620" x .710"
(152m x 16mm x 18mm)
- RGP-XXX-10: 1000' x .620" x .710"
(304,8m x 16mm x 18mm)

- Weight:
 - RGP-XXX-01 4 lbs. (1.81 kg.)
 - RGP-XXX-05 20 lbs. (9.07 kg.)
 - RGP-XXX-10 40 lbs. (18.14 kg.)

END OF SECTION

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