

**TORO®**

## DL2000™ SERIES SUBSURFACE DRIPLINE



Toro® DL2000 Dripline is the most technologically advanced subsurface irrigation system available. Through its non-toxic ROOTGUARD® technology, only DL2000 delivers optimal water application directly to the root zone while safely inhibiting root intrusion.

## FEATURES & BENEFITS

### U.S. Government-Approved ROOTGUARD® Protection

The pre-emergent, ROOTGUARD® material, is impregnated into the emitter during the molding process and creates a “force field” effect around the emitter outlet, diverting root growth and assuring long term reliability.

### At Grade Or Buried Options

Can be installed at grade or buried 4” – 8” underground, delivering irrigation directly to the plant’s root zone.

### Pressure-Compensating Self-cleaning Emitters

Provide precise, trouble-free water application. ROOTGUARD® impregnated emitters are inseparably welded to the inside wall of durable polyethylene dripline tubing during manufacturing.

### Environmentally Friendly

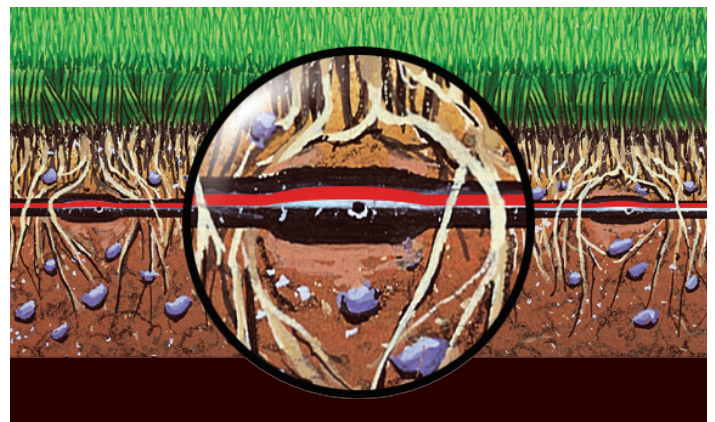
Irrigation takes place at or below grade so there is minimal water loss due to mist, evaporation, run-off or wind. Fertigation needs are reduced because water is applied only at the root zone.

### Safety and Liability

When DL2000 is installed below ground, the landscape surface is free from irrigation equipment that may disrupt activities or cause injury. Sub-surface performance also avoids slippery walkways and roadways as well as wet walls, fences and windows.



Effluent  
Options  
Available



*Distinctive red stripe on tubing signifies DL2000 with ROOTGUARD*

## DL2000 MODEL LIST

Model	Description
<b>5/8" DL 2000 PC DRIPLINE WITH ROOTGUARD</b>	
RGP-212-01	0.5 gph, 12" emitter spacing, 100 ft. coil
RGP-412-01	1.0 gph, 12" emitter spacing, 100 ft. coil
RGP-218-01	0.5 gph, 18" emitter spacing, 100 ft. coil
RGP-418-01	1.0 gph, 18" emitter spacing, 100 ft. coil
RGP-212-05	0.5 gph, 12" emitter spacing, 500 ft. coil
RGP-412-05	1.0 gph, 12" emitter spacing, 500 ft. coil
RGP-218-05	0.5 gph, 18" emitter spacing, 500 ft. coil
RGP-418-05	1.0 gph, 18" emitter spacing, 500 ft. coil
RGP-212-10	0.5 gph, 12" emitter spacing, 1000 ft. coil
RGP-412-10	1.0 gph, 12" emitter spacing, 1000 ft. coil
RGP-218-10	0.5 gph, 18" emitter spacing, 1000 ft. coil
RGP-418-10	1.0 gph, 18" emitter spacing, 1000 ft. coil
<b>5/8" DL2000 PC PURPLE DRIPLINE WITH ROOTGUARD</b>	
RGP-212-05-E	0.5 gph, 12" emitter spacing, 500 ft. coil
RGP-412-05-E	1.0 gph, 12" emitter spacing, 500 ft. coil
RGP-218-05-E	0.5 gph, 18" emitter spacing, 500 ft. coil
RGP-418-05-E	1.0 gph, 18" emitter spacing, 500 ft. coil

## SPECIFICATIONS

### Operational

- Design flexibility for narrow, odd-shaped landscape areas
- Precise watering puts water where it's needed; avoids water marks on expensive hardscapes, glass or signage
- Distinctive red strip on tubing signifies DL2000 with ROOTGUARD®

### Warranty

- Against Root Intrusion: Seven years
- Hose: Five years pro-rated

## PRECIPITATION RATE FOR EVENLY SPACED LATERALS AND EMITTERS

Precipitation Rate for Drip Laterals (inches/hour)							
Emitter Flow (gph)	Emitter Spacing (in.)	Spacing Between Drip Laterals					
		6 in.	12 in.	18 in.	24 in.	30 in.	36 in.
0.53	12	1.7	0.85	0.57	0.43	0.34	0.28
0.53	18	1.13	0.57	0.38	0.28	0.23	0.19
1.00	12	3.27	1.64	1.09	0.82	0.65	0.55
1.00	18	2.18	1.09	0.73	0.55	0.44	0.36

Precipitation Rate Formula:  

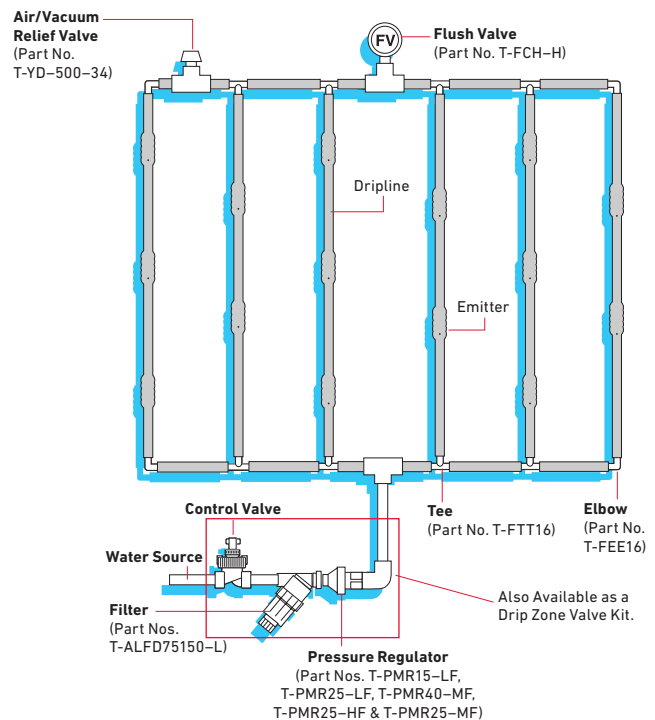
$$\text{Precipitation Rate (in./hr.)} = \frac{231.1 \times \text{Emitter Flow (gph)}}{\text{Lateral Spacing (in.)} \times \text{Emitter Spacing (in.)}}$$

*Note: This formula applies to evenly spaced drip irrigation laterals and emitters.*

5/8" OD		INLET PRESSURE VS. MAXIMUM LENGTH OF RUN IN FEET				
Part No.	Flow Rate (gph)	Emitter Spacing	15 psi	25 psi	30 psi	40 psi
RGP-212	.53	12"	250'	360'	400'	460'
RGP-218	.53	18"	350'	515'	565'	650'
RGP-412	1.0	12"	160'	240'	260'	300'
RGP-418	1.0	18"	240'	340'	375'	430'

## DL2000 PERFORMANCE TABLE

Flow Rate	.53/1.00 gph
Inside Diameter	0.620"
Outside Diameter	0.710"
Wall	0.045"
Operating pressure (P)	15–60 psi
Minimum filtration requirement	120 Mesh
Hazen-Williams C factor	140
Barb loss factor (Kd)	.98



### Other fittings available:

- Coupling (Part No. T-FCC16)
- Adapter (Part No. T-FAM16)
- Compression Adapter (Part No. T-CA-710)

## Specifying Information—DL2000

RGP X-XX-XX-E			
Emitter Flow	Emitter Spacing	Coil Length	Optional
X	XX	XX	E
2—.53 gph 4—1.0 gph	12—12" 18—18"	01—100' 05—500' 10—1000'	E—Purple Tubing for Non-potable Water

**Example:** A 500' coil of Pressure-compensating Dripline with rootguard, 12" emitter spacing and 0.5 gph, would be specified as: **RGP-212-05**

*Note: Specify/use Loc-Eze Fittings or .710 Compression Fittings.*



**www.toro.com**

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Specifications subject to change without notice.

For more information, contact your local Toro distributor.

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