

Understanding Emitter Lines

Emitter lines consist of polyethelene tubing with drip emitters installed at the factory on regular spacing. Emitter line combines the advantages of soaker hoses—a continuous band of water and ease of installation—with the slow, even output and reliable operation that drip emitters deliver throughout a long lateral line. Recent advances in manufacturing fuse the emitters inside the tubing as it is extruded, which results in a sturdy product that costs less than tubing and emitters bought separately. The most obvious uses of emitter lines are for watering hedges, densely planted perennial beds, and vegetable beds. Some types are now recommended for buried applications under lawns.



Emitter line cut away showing turbulent flow labyrinth

Choices in emitter lines include:

Turbulent Flow (*Drip In*®) is our most frequently used emitter line. The large labyrinth flow path provides an emitter resistant to clogging problems. The most common type is 1/2" tubing with 1/2 gph emitters 12" apart. Maximum lateral length at this flow and spacing is 210 feet. Emitter lines can be mulched over or slightly buried.

1/4" Emitter Line (Netafim® Dura-flow Jr® & Pepco® Mini-Pepline®) with 1/2 gph turbulent flow emitters on 6" or 12" spacing. 6" spacing is best used to water plants in very loose soils such as window boxes and other containers. Use 12" spacing for small vegetable beds, and to make loops and spirals around the base of trees and shrubs. Attach the emitter line to larger tubing with 1/4" barbed connectors. Maximum length of 1/4" emitter line is 19' for 6" spacing and 33' for 12" spacing. End each run with a goof plug or emitter.

Rootguard® (*Toro*®) is an emitter line with Treflan® herbicide fused into the emitter path. This prevents root intrusion into the emitters—essential when lines are buried. Its most common application is under turf. When buried, it provides a minimum of 18 years of protection from root intrusion. It is produced in a 1/4" turbulent flow and a 1/2" pressure compensating line of different emitter spacings.

TechLine® (*Netafim*®) is a pressure compensating emitter line with excellent uniformity of flow over distance. The diaphragm floats at the beginning and end of each irrigation cycle to flush out impurities. Techline is slightly larger than other emitter lines and requires special fittings. It comes in an ultraviolet-resistant brown to blend into soil when used on the surface. It can be ordered in 12" and 18" spacing and in .6 gph or 1.1 gph output.



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In stock
Emitter Lines

| PART NUMBER | EMITTER TYPE | SPACING AND OUTPUT | MAXIMUM LATERAL RUN | ROLL LENGTH | LIST PRICE |
|-------------|----------------------|--------------------|---------------------|-------------|------------|
| * PDL0212 | 1/4" Turbulent Flow | 12" Spacing .5gph | 33' | 100' | 24.00 |
| * PDL0206 | 1/4" Turbulent Flow | 6" Spacing .5gph | 19' | 100' | 34.00 |
| PDL7100 | Turbulent Flow | 12" Spacing .5gph | 210' | 100' | 34.00 |
| PDL7500 | Turbulent Flow | 12" Spacing .5gph | 210' | 500' | 150.00 |
| * MCRG206 | 1/4" Rootguard®Toro® | 6" Spacing .5gph | 15' | 100' | 45.00 |
| * MCRG212 | 1/4" Rootguard®Toro® | 12" Spacing .5gph | 25' | 100' | 37.58 |
| RGP41201 | Rootguard®Toro® | 12" Spacing 1gph | 275' | 100' | 71.67 |
| RGP41203 | Rootguard®Toro® | 12" Spacing 1gph | 275' | 300' | 188.84 |
| RGP21803 | Rootguard®Toro® | 18" Spacing .5gph | 350' | 300' | 149.89 |
| RGP42403 | Rootguard®Toro® | 12" Spacing 1gph | 425' | 300' | 118.00 |
| PDLT120510 | Techline® Netafim® | 12" Spacing .6gph | 425' | 100' | 38.18 |
| PDLT120525 | Techline® Netafim® | 12" Spacing .6gph | 425' | 250' | 95.46 |
| PDLT181010 | Techline® Netafim® | 18" Spacing 1.1gph | 350' | 100' | 41.95 |
| PDLT181011 | Techline® Netafim® | 18" Spacing 1.1gph | 350' | 1000' | 355.57 |

* 1/4" x 100' **PRICES SUBJECT TO CHANGE WITHOUT NOTICE**

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