There are many types of drip emitters to consider when designing a drip irrigation layout for your landscape. DIG's full array of drip emitters can meet all of your low-flow irrigation needs.

From our PC multi-outlet drip manifolds, designed for both first time installations and for retrofitting an existing sprinkler system, to our single-point pressure compensating drip emitters for use in long laterals, our range of drip emitters provides plenty of options for any design requirements.

12

TOP 12-Outlet PC Manifolds

13

6-Outlet PC Manifolds

14

4-Outlet PC Manifolds

15

Pressure Compensating Drip Emitters and Stakes

16

Pressure Compensating Emitters

17

Button Drip Emitters

17

Flag Drip Emitters

18

Adjustable Drip Emitters

18

Adjustable Bubbler

800.322.9146 | 760.727.0914 | fax 760.727.0282

Features

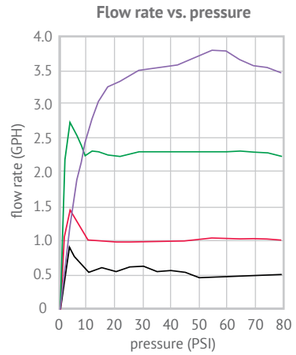
- Constructed with 12 individually pressure compensating drip emitters
- Self-flushing emitters allow passage of water and minimize clogging
- Interchangeable drip emitters for variable flow rates in a single head
- Color-coded drip emitters and barbs easily identify flow rate at each zone
- Drip emitters are individually filtered (approx. 80 mesh)
- Backup mini disc filter included
- Rugged materials to withstand the most adverse conditions
- Can be installed above grade or placed below grade in a 6″ emitter box
- Inlet plugs provide the option to cap off up to eight drip emitters
- TOP kits contains 100′ of 1/8″ distribution tubing, accessories, stakes and 1/4″ converter barbs which allow the use of 1/4″ distribution tubing

Specifications

- Recommended operating pressure: 15-50 PSI (1-3.4 BAR)
- Pressure compensating range: 8-80 PSI (.5-5.6 BAR)
- Flow rates: .6, 1, 2.2 and 3.3 GPH (2.3, 3.8, 8.3 and 12.5 L/H)
- Inlet size: 1/2″ FNPT
- Used with 1/8″ (.187″ OD) or 1/4″ (.150″-.160″ ID) distribution tubing
- Filter requirement: minimum of 120 mesh
- Materials:
  - Body and cover: high-impact plastic
  - Filter: nylon
  - Diaphragm: silicon

Dimensions

- Dimensions: 3″ W x 2″ H (8 cm W x 5 cm H)



Performance
Maximum number of TOP on single length of PVC lateral

Color	Black	Red	Green	Purple
Flow in GPH	.6 GPH	1 GPH	2.2 GPH	3.3 GPH
Number of manifolds	Total flow rate in GPM			
1	0.12	0.2	0.44	0.66
5	0.6	1	2.2	3.3
10	1.2	2	4.4	6.6
15	1.8	3	6.6	9.9
20	2.4	4	8.8	13.2
25	3.0	5	11.0	16.5
30	3.6	6	13.2	19.8
35	4.2	7	15.4	23.1
40	4.8	8	17.6	26.4
45	5.4	9	19.8	29.7
50	6.0	10	22.0	33.0

Emitter Conditions
During Self Flushing Mode

0-3 PSI 3-8 PSI 8-80 PSI

The TOP concept consists of self-cleaning pressure compensating emitters with the ability to compensate for pressure fluctuations between 8-80 PSI, achieved through the utilization of a silicone diaphragm and the water passage design. The self-flushing function works between 0-8 PSI and is achieved as follows:

At 0-3 PSI, the flow is relatively high and the emitter is in flushing mode, while the diaphragm is completely open.
As the pressure increases between 3-8 PSI, the diaphragm slowly begins to close; flow is still high, but steadily decreasing. The diaphragm is closed between 8-80 PSI, and the flow is constant.

Opening and closing the system will bring the TOP to a flushing mode.

How to specify

Model	Description
TOP-000	Manifold only
TOP-005	.6 GPH per outlet
TOP-010	1 GPH per outlet
TOP-020	2.2 GPH per outlet
TOP-030	3.3 GPH per outlet
TOP-100	KIT with 1 GPH per outlet
TOP-200	KIT with 2.2 GPH per outlet
TOP-300	KIT with 3.3 GPH per outlet
Replacement drip emitter with O-ring	
10-019	.6 GPH per outlet
10-020	1 GPH per outlet
10-021	2.2 GPH per outlet
10-022	3.3 GPH per outlet
10-016	Bug plug for 1/8″ micro tubing
25-007	Converter elbow for 1/4″ micro tubing