SINGLE & MULTI-OUTLET EMITTERS

MULTI-OUTLET EMITTERS

There are many types of emitters to consider when making your decisions in your drip landscape and DIG offers a full array of emitters to meet your needs. From multi-outlet emitters designed for both first time installations or retrofitting of an existing sprinkler system to single point pressure compensating emitters for use in long laterals or with smaller distribution tubing, our line of emitters provide plenty of options for your design.

Our 12-outlet emitter allows for 12 individual pressure compensating emitters in multiple flow rates while incorporating a self flushing design to ensure easy passage of water flow and minimizes clogging. DIG's 6-outlet high flow drip bubblers have individual flow regulating emission devices, enabling long runs with an even water distribution at a wide range of water pressures. The 4-outlet drip/bubbler converts a 1/2" sprinkler riser into an efficient 4-outlet bubbler system. When you require a single point emitter, DIG offers PC, button, flag and adjustable drip emitters that encompass most if not all design requirements.

TOP-TWELVE OUTLET EMITTERS

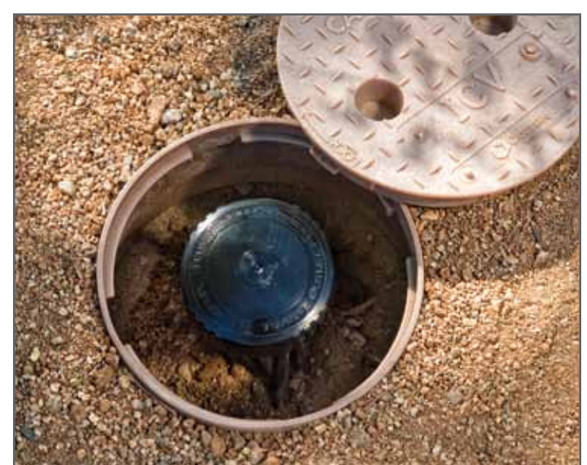
12-Outlet Drip Emitter

FEATURES

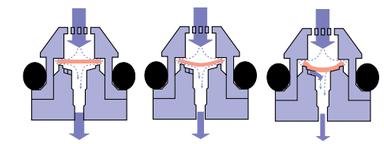
- Built-in with 12 individually pressure compensating drip emitters
- Self-flushing emitters allow easy passage of water and minimize clogging
- Interchangeable drip emitters for variable flow rates in a single head
- Color-coded drip emitters and barbs easily identify flow rate at each zone
- Each drip emitter individually filtered (approx. 80 mesh)
- Backup mini-disk filter
- Rugged materials to withstand the most adverse conditions
- Install above grade or place below grade in a 6" emitter box
- Inlet plugs provide the option to cap off up to eight drip emitters
- TOP kits contain 100' of 1/8" distribution tubing, accessories, stakes and 1/4" converter barbs allowing the use of 1/4" distribution tubing

SPECIFICATIONS

- Flow rates: .6, 1, 2.2 and 3.3 GPH (2.2, 4, 8.3 and 12.5 l/h)
- Pressure compensating range: 8-80 PSI (.5-5.6 BAR)
- Operating pressure: 15-50 PSI (1-3 BAR)
- Inlet size: 1/2" FNPT
- Use with 1/8" (.187 OD) or 1/4" (.150-.160 ID) distribution tubing
- Filter requirement: 120 mesh



EMITTER CONDITIONS DURING SELF FLUSHING MODE



The TOP concept consists of self-cleaning pressure compensating emitters. Their ability to compensate for pressure fluctuations between 8-80 PSI is 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.

MATERIALS

- Body and cover: high impact plastic
- Filter: nylon
- Diaphragm: silicon

DIMENSIONS

- Dimensions: 3" W x 2" H (7.6 cm W x 5 cm H)

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-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