

**Pressure Compensating
Continuous Self-Flushing Drippers
with Check Valve**

Applications

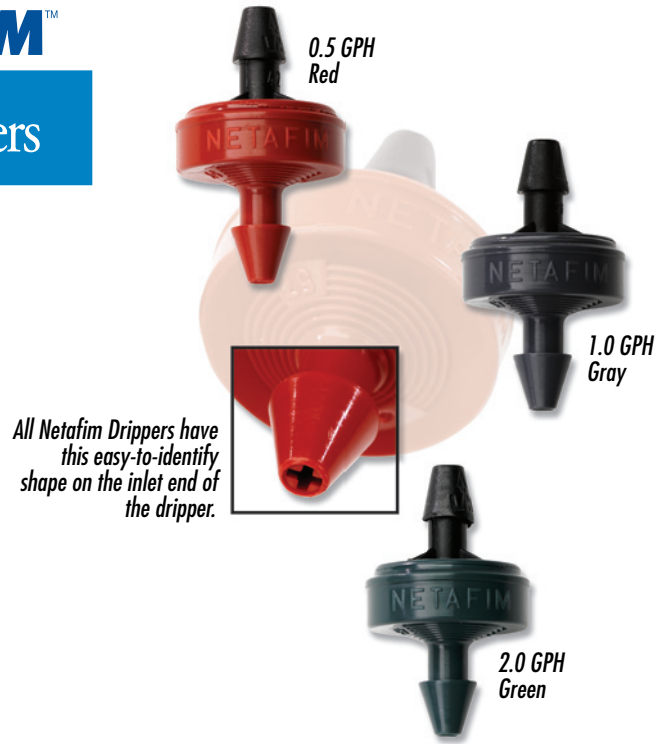
- Can be used with blank polyethylene tubing, Techline® CV, Techline®, Techlite®, other PC and non-PC dripperlines
- Can be used in piping networks with wide pressure variations
- Can be installed on-surface or subsurface
- Wide-spaced plantings
- Trees
- Hanging baskets
- Flower boxes
- Planters or pots

Features/Benefits

- Unique Turbonet design regulates flow and provides continuous self-cleaning action during operation
- Delivers the same flow from 7 to 50 psi
- Can be used with Techline® CV dripperline without causing dripperline drainage
- 1.5 psi internal check valve helps prevent drainage and holds back up to a 3 1/2' column of water
- Anti-siphon operation prevents contaminants from being drawn into dripper
- Dripper body is color-coded for flow rates

Specifications

- Flow rates: 0.5, 1.0 or 2.0 GPH
- Pressure compensation range: 7 to 50 psi
- Maximum pressure: 50 psi
- Barb inlet x 0.160" barb outlet
- Uses 0.160" x 0.220" micro-tubing (Model EDTUBE)
- Recommended filtration: 120 mesh



PCDj DRIPPERS Ordering Information

Model Number	Description
PCDj05	Red 0.5 GPH Barb Inlet x 0.160" Barb Outlet
PCDj10	Gray 1.0 GPH Barb Inlet x 0.160" Barb Outlet
PCDj20	Green 2.0 GPH Barb Inlet x 0.160" Barb Outlet

PERFORMANCE OF EDTUBE (0.160" x 0.220")

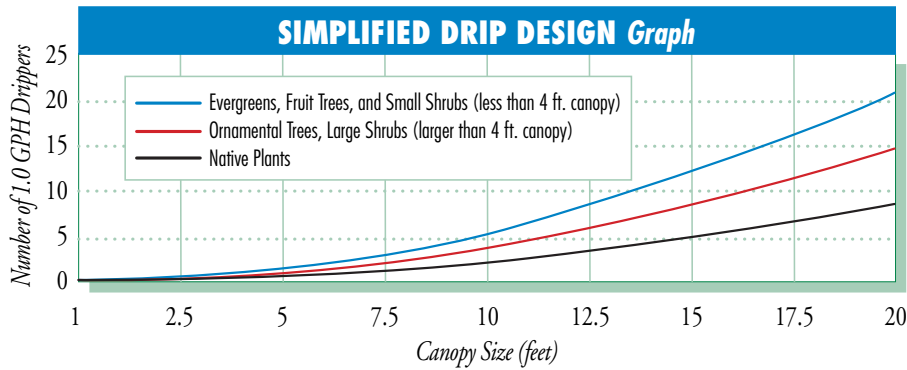
Flow (GPH)	0.50	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00
Velocity (FPS)	0.13	0.27	0.53	0.80	1.06	1.33	1.59	1.86	2.13
PSI Loss (per 100 ft.)	0.04	0.16	0.58	1.24	2.11	3.19	4.46	5.94	7.61



CHECK VALVE WATER SAVINGS

Tubing Size (in Inches)	Gallons of Water Saved (per 100')
0.560" x 0.660" Techline/Techline CV Blank Tubing	1.3
0.520" x 0.620"	1.1
0.570" x 0.660"	1.3
0.600" x 0.700"	1.5
0.820" x 0.940"	2.7
1.060" x 1.200"	4.6
0.160" x 0.220" Micro-Tubing	0.1

Point Source Drip Irrigation Design

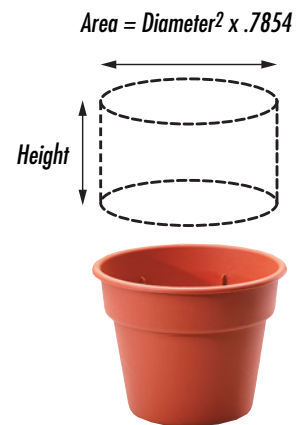


Climate	Run Time
Very Cool	1.3 hrs.
Cool	2.6 hrs.
Moderate	3.5 hrs.
Hot	4.2 hrs.
High Desert	5.1 hrs.
Low Desert	5.9 hrs.

Container Irrigation Design

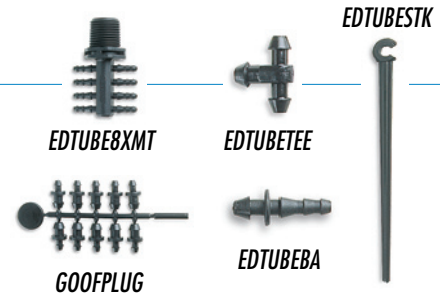
Container Size (gallons)	Dripper Flow (GPH)	Sandy Soil	Loam Soil	Clay Soil	Potting Soil
1	0.5	3 min.	5 min.	11 min.	2 min.
2	0.5	6 min.	10 min.	20 min.	4 min.
5	1.0	9 min.	15 min.	30 min.	6 min.
15	1.0	25 min.	40 min.	90 min.	18 min.
25	1.0	40 min.	75 min.	150 min.	35 min.

Climate	Sandy Soil	Loam Soil	Clay Soil	Potting Soil
Very Cool	2 Days	3 Days	8 Days	2 Days
Cool	1 1/2 Days	2 Days	6 Days	Daily
Moderate	1 1/2 Days	2 Days	6 Days	Daily
Hot	Daily	2 Days	5 Days	Daily
High Desert	Daily	1 1/2 Days	4 Days	Daily
Low Desert	Daily	Daily	3 Days	Daily



$$\text{Container Size (gallons)} = \frac{\text{Surface Area (sq. in.)} \times \text{Height (in.)}}{231}$$

Drip Accessories



EDTUBESTK

MICRO-TUBING Ordering Information

Model Number	Length	Description
EDTUBE-01	100'	0.160" x 0.220" Poly
EDTUBE-10	1,000'	0.160" x 0.220" Poly

TOOLS Ordering Information

Model Number	Description
MTUBESPUN	5mm All Steel Punch
MTUBEPPUN	5mm Plastic Handle Punch

MICRO-TUBE FITTINGS Ordering Information

Model Number	Description
EDTUBETEE	Barbed Tee for EDTUBE
GOOFPLUG	5mm/8mm Goof Plug
EDTUBE8xMT	1/2" MPT x 8-Way for EDTUBE
EDTUBESTK	5mm Tubing Stake for MTUBE & EDTUBE
EDTUBEBA	5mm Barb Adapter

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