

2011 PRODUCT GUIDE

Factory Direct Pricing. Better than Wholesale



Drip Irrigation Catalog

This catalog mainly covers our line of Drip Irrigation Products. We have recently added over 4,000 items to our website, including Controllers, Fittings, Valves & Irrigation Accessories.

Check our website:
www.IrrigationDirect.com



www.IrrigationDirect.com | tel: 877-436-6922 (toll free) | fax: 877-433-2948

Features & Benefits:

- Three programs (A,B,C) with multiple start times
- 4 start times per program - excellent for repeat scheduling
- Up to 8 hours of run time per station
- 365-day calendar for leap year intelligence, true odd / even day watering & daylight savings feature (Patent Pending)
- Water budgeting & seasonal adjustment - adjust zones from 10% to 150%
- Easy to read seasonal adjustment with incremental bars on LCD display
- Programmable-event-day-off allows specific day(s) to always off
- Rain / weather sensor bypass switch on front panel allows to override active sensor for maintenance or manual watering

Starting at only
\$59⁰⁰

DMC Series

Direct Modular Controller

VALUE PRICING	3 to 29	30 to 149	150 or more
DMC-6 Direct Module Controller Outdoor 6 Stations	\$69.00/unit	\$64.00/unit	\$59.00/unit
DMC-6i Direct Module Controller Indoor 6 Stations	\$59.00/unit	\$54.00/unit	\$49.00/unit

*Mix & Match Pricing available on DMC's automatically on our website

VALUE PRICING	3 to 299	300 or more
DM-3 DMC Expansion Module	\$14.00/unit	\$11.00/unit





Additional Features & Benefits:

- 1 Instruction Manual Holder Inside Door of Controller**
 - Reduces call-backs, since spring-loaded design keeps the manual with the controller
 - Pencil and holder for easy recording of programs also included (Patent Pending)
- 2 Tabs on Door and Cabinet Make Opening Easy**
 - No strain on wall mounting
- 3 Removable Face Panel for Easy Job Site or In-Home Programming**
 - Requires 9-volt battery — Irrigation Direct includes it!
 - Easy-to-use face panel hinge design, easy to reconnect
- 4 Large LCD Screen Makes it Easy to See while Programming**
- 5 Easy Access Doors On Circuit Board to Change Lithium & 9-Volt Alkaline Batteries**
- 6 Excellent Surge Protection for Primary and Secondary Power**



Hot-Swappable Modules

**Expands to 15 Stations
Using Cost-Effective
3-Station Modules**

**Base Model Comes
with 6 Stations**



Features & Benefits:

1 Non-Rising Flow Control Stem

- Easy to access, non-rising stem
- Clearly marked water volume adjustments
- Flow control can be completely shut off if necessary
- No special tools required

2 Strong Four-Bolt Cover Design

- Strongest design available on market with stainless steel cover bolts in brass inserts
- Four bolt-design instead of multiple screws
- No need to worry about jar top threads stripping due to sand and dirt

3 Reverse Flow Diaphragm Design

- Balanced pressure on the diaphragm means it's longer-lasting
- Won't fail in open position
- Self-cleaning dual diaphragm ports won't clog

4 Proven Cone-Shaped Diaphragm Base Design

- Diaphragm base eliminates water hammer
- Shock cone interrupts water flow more gradually than most diaphragms

5 Simple Manual Bleed Design

- Easy to access manual bleed lever with clearly marked on/off switch
- Internal bleed design means no water in the valve box
- No twisting solenoids or bleed screws required
- No special tools required

6 High-Quality Industry Standard Solenoid

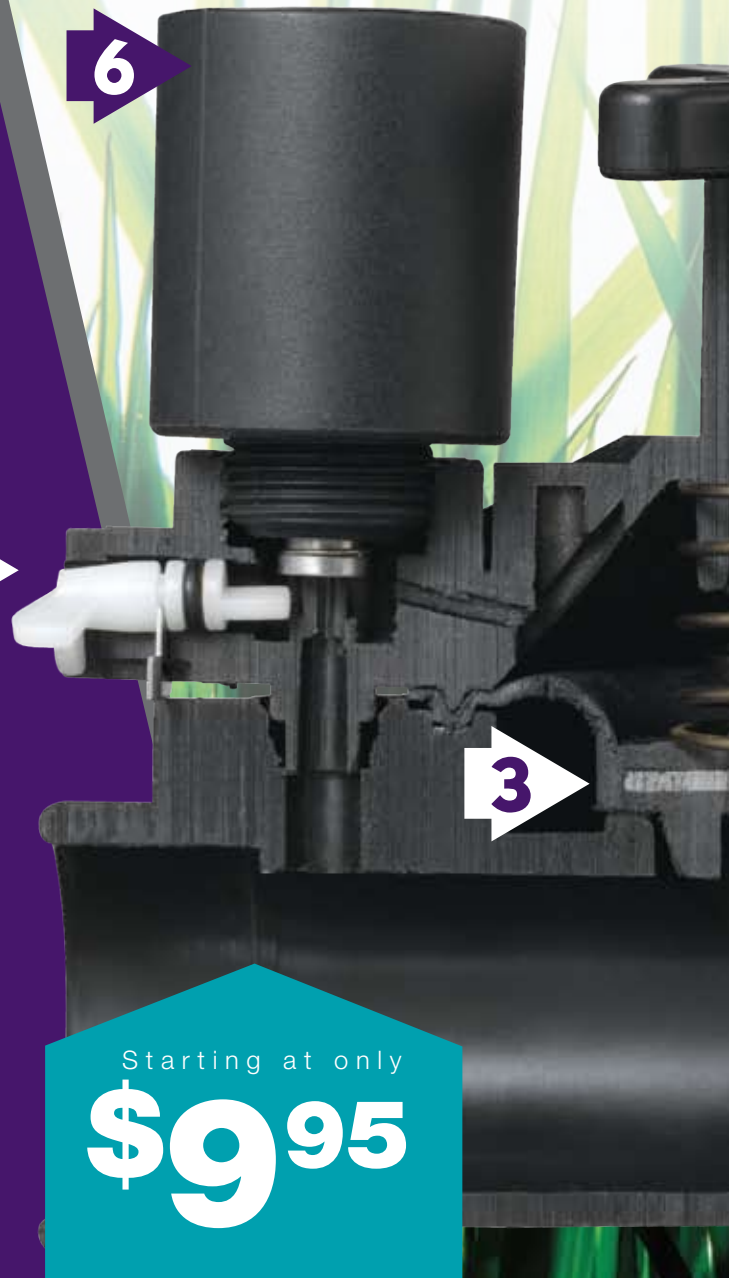
- Industry-standard 3/4"-20 threaded solenoid allows for many choices in service replacement
- Made with high-quality non-corrosive stainless steel internal components
- Coil is encapsulated in Epoxy for maximum corrosion protection
- Efficiently designed coil allows for low power consumption
- Long 20" 18-gauge wire for easy installation

DFV Series

Direct Flow Valve

VALUE PRICING	10 to 99	100 to 499	500 or more
DFV-100 Direct Flow Valve 1" FNPT	\$9.95/unit	\$9.00/unit	\$8.10/unit
DFV-075 Direct Flow Valve 3/4" FNPT	\$9.95/unit	\$9.00/unit	\$8.10/unit
DFV-100SS 1" Slip x Slip Valve with flow control	\$9.95/unit	\$9.00/unit	\$8.10/unit

*Mix & Match Pricing available on DFV Valves automatically on our website



Starting at only

\$9.95



Unique Design Diaphragm: Providing flexibility for all your watering needs. Irrigation Direct's DFV Series valves are perfect for just about any volume irrigation system. With an efficient reverse flow design that works at only 1GPH and will operate at pressures as low as 10 PSI, DFV valves are excellent for drip irrigation systems. However, it also performs extremely well for high pressure and high flow systems, up to 150 PSI — and any pressure range in between. Irrigation Direct's high-performance valves are the ideal solution for any residential or commercial application.

DFV Product Specifications

DFV Models

- DFV-75 3/4" FNPT Direct Flow Valve with Flow Control
- DFV-100 1" FNPT Direct Flow Valve with Flow Control
- DFV-100SS 1" Slip x Slip for PVC Pipe Direct Flow Valve with Flow Control

DFV Operating Range

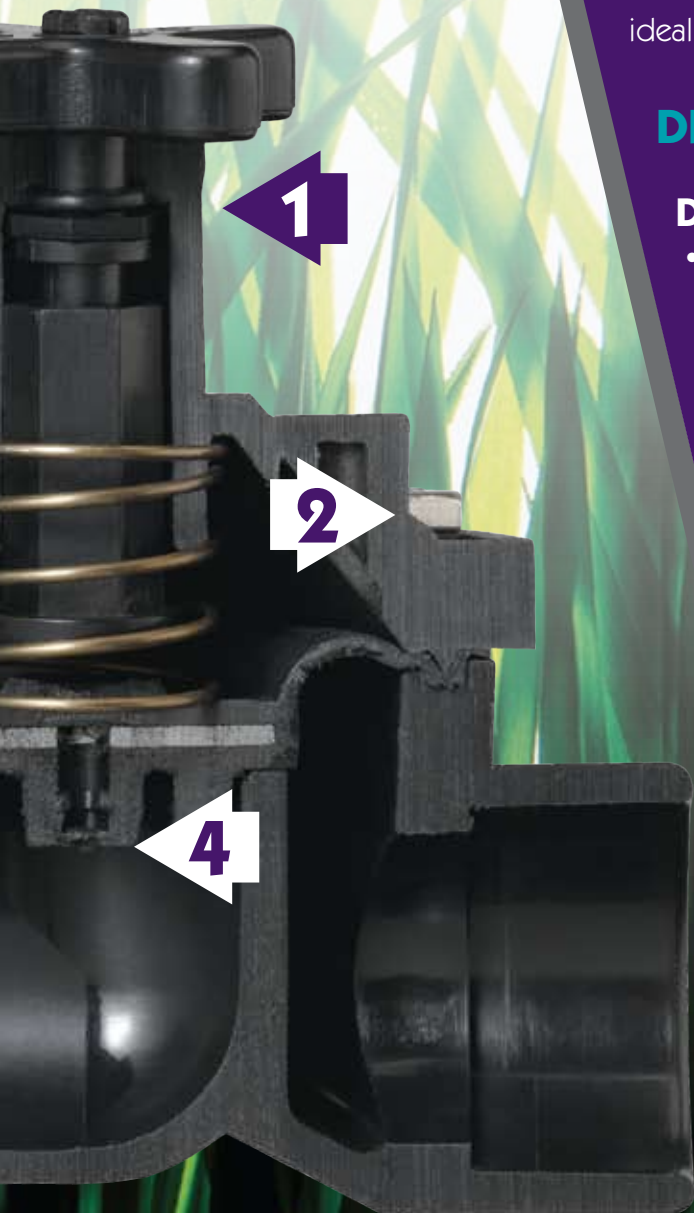
- Pressure: 10 to 150 PSI
- DFV-075 Flow: 0.2 to 22 GPM
- DFV-100T Flow: 0.2 to 40 GPM
- DFV-100SS Flow: 0.2 to 40 GPM
- Water Temperature: Up to 110°F (43°C)
- Ambient Air Temperature: Up to 125°F (52°C)

DFV Electrical Specs

- 24 VAC 50/60 cycle solenoid power requirement
- Inrush Current: 0.35 Amp (8.4 VA)
- Holding Current: 0.23 Amp (5.5 VA)
- Solenoid Coil Resistance: 24 Ohms

DFV Dimensions

- Height: 4 3/8" (11.1 cm)
- Length: 5" (12.7 cm)
- Width: 3 1/16" (8.1 cm)



Controllers & Timers

Controllers & Timers



DD-HEDT Battery Operated Hose End Timer - Solid State

- Excellent for Drip Irrigation • Connects to 3/4" Hose Bibb or Y Ball Valve • Digital Display • Up to 9 Start Timers Per Day • Requires 2 - AA Batteries (not included)
- Water Budget Capability • 1 to 255 Minute Run Time • Rubber Boot Cover for Maximum Protection • Inlet: 3/4" FHT (Female Hose Thread) • Outlet: 3/4" MHT (Male Hose Thread) • Maximum flow rate: 4 Gallons Per Minute • Hose End Timer Instruction Sheet

1 - 5: **\$29.90** | 6 - 29: **\$26.90** | 30 or more: **\$24.90**



DM3 DMC 3-Station Expansion Module

- No tools required • Modules snap into place • Controller automatically recognizes correct number of stations • Works with either our Indoor Controller or Outdoor Controller

1 - 2: **\$17.50** | 3 - 299: **\$14.00** | 300 or more: **\$11.90**



DMC6i Direct Modular 6 Station Indoor Controller

DMC6 Direct Modular 6 Station Indoor Controller

- 6-Station Indoor Controller • Expands to 15 stations using cost-effective 3-station modules. • Daylight Savings (Patent Pending) feature automatically resets to the correct time twice a year • Removable face panel for easy jobsite or in-home programming
- External plug-in transformer is included (DMC6i model) • Internal transformer is pre-installed (DMC6 model) • Accessible battery compartments • Handy instruction manual holder with a pencil (Patent Pending) • Large LCD screen

Product Number	Product Description	1 - 2	3 - 29	30 - 149	150 or more
DMC6i	Direct Modular Indoor Controller	\$64.00	\$59.00	\$54.00	\$49.00
DMC6	Direct Modular Indoor Controller	\$74.00	\$69.00	\$64.00	\$59.00

Sample Kits



01-sampler Sample Kit # 1 - DMC-6, DM-3 & DFV-100

02-sampler Sample Kit # 2 - DMC-6, DM-3 & DFV-100-SS

- 1 - DMC-6 Outdoor Controller • 1 - DM-3 Expansion Module
- 1 - DFV-100 1" Electric Solenoid Valve (thread x thread) (01-sampler)
- 1 - DFV-100-SS 1" Electric Solenoid Valve (slip x slip) (02-sampler)

\$92.00



03-sampler Sample Kit # 3 - DMC-6i, DM-3 & DFV-100

04-sampler Sample Kit # 4 - DMC-6i, DMC-3 & DFV-100-SS

- 1 - DMC-6i Indoor Controller • 1 - DM-3 Expansion Module
- 1 - DFV-100 1" Electric Solenoid Valve (thread x thread) (03-sampler)
- 1 - DFV-100-SS 1" Electric Solenoid Valve (slip x slip) (04-sampler)

\$82.00

Controllers & Timers and Valves

Accessories & Parts



200-032 Transformer for Outdoor Controller

- 120VAC • Primary 24VAC 1.25A or 30VA • Secondary Primary has 1/2 " male thread conduit and white-blk wires with green ground wire. • CSA Certified

1 - 2: **\$16.50** | 3 or more: **\$15.00**



200-052 Set (2) of Keys # CH751

Replacement Keys for the following Irrigation Controllers:

- Irrigation Direct • Rain Bird • Hunter • Orbit

1 - 9: **\$3.00** | 10 or more: **\$1.50**



200-074 9 Volt Alkaline Battery

9 volt battery for DMC controllers. We recommend changing batteries annually.

1 - 23: **\$1.50** | 24 - 287: **\$1.25** | 288 or more: **\$0.99**



200-083 Plug-in Transformer - Indoor Controllers

- 120VAC 60HZ 32 primary • 24VAC 60HZ 1 amp secondary • Primary 3 prong plug-in
- Secondary has green ground wire.

1 - 2: **\$12.50** | 3 - 9: **\$11.75** | 10 or more: **\$9.00**

Valves



DFV075 Electric Solenoid Valve 3/4" FPT (Female Pipe Thread) 24VAC

DFV100 Electric Solenoid Valve 1" FPT (Female Pipe Thread) 24VAC

DFV100SS Electric Solenoid Valve 1" Slip x Slip 24VAC

- Pressure: 10 to 150 PSI • DFV-075 Flow: 0.2 to 22 GPM • DFV-100T Flow: 0.2 to 40 GPM • DFV-100SS Flow: 0.2 to 40 GPM • Water Temperature: Up to 110F (43 C)
- Ambient Air Temperature: Up to 125 F (52 C)

1 - 9: **\$11.50** | 10 - 99: **\$9.95** | 100 - 499: **\$9.00** | 500 or more: **\$8.10**

Accessories & Parts



300-020 Diaphragm for DFV Valves

Replacement diaphragm for our DFV Valves (3/4" & 1")

\$1.50



300-400 Replacement Solenoid 3/4"-20 thread

Great generic replacement solenoid. Use this solenoid with: • Irrigation Direct DFV Valves • Richdel Valves • Irritrol Valves • Hydro-Rain Valves • Hardie Valves • Some Toro Valves

1 - 9: **\$8.00** | 10-49: **\$5.00** | 50 or more: **\$4.00**

Drip Irrigation

Water Source Connections

Drip Valve Assembly



DD-DZ7520LF Drip Zone Kit 3/4" 20 PSI Low Flow .1 - 8 GPM

DD-DZ7530LF Drip Zone Kit 3/4" 30 PSI Low Flow .1 - 8 GPM

- 3/4" Electric Solenoid Valve • 3/4" Y Filter • Inlet: 3/4" FPT (Female Pipe Thread)
- Outlet: 3/4" MPT (Male Pipe Thread) • Up to 480 Gallons Per Hour Flow Capacity
- Use a swivel adapter (not shown) to connect Pressure Regulator (3/4" Male Pipe Thread) to .700" OD Drip Hose • 20 or 30 PSI Pre-set Pressure Regulator

1 - 5: **\$22.00** | 6 - 59: **\$17.70** | 60 or more: **\$15.85**

Ball Valves



DD-HEC Hose End Cap w/ washer - 3/4" FHT

- 3/4" FHT (Female Hose Thread) Cap • Comes with Hose Washer
- Used to cap off 3/4" MHT (Male Hose Fitting)

1 - 9: **\$0.30** | 10 - 24: **\$0.25** | 25 - 99: **\$0.16** | 100 or more: **\$0.14**



DD-FCV620 Raindrip Flow Control Valve Replacement .620" x .620" Compression (Green)

- Green rings indicate 620 fittings (for .620" Raindrip tubing) • Flow Control Valve has size 620 compression rings easily • Only use with 620 drip tubing (.620" OD)
- 1/4 Turn Knob allows you to adjust the flow of water through 1/2" drip tubing
- Great for isolating water supply to planting sections

1 - 9: **\$1.60** | 10 - 24: **\$1.30** | 25 - 99: **\$1.10** | 100 or more: **\$1.00**



DD-FCV700 Drip Flow Control Valve 1/2" (.700" OD) Tubing x 1/2" (.700" OD) Tubing

- Compression Flow Control Valve for Drip Tubing with .700" OD (Outside Diameter)
- Quick & Easy Installation • High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 to 30 PSI • Maximum Operation Pressure: 60 PSI.
- Compression fittings require no glue

1 - 9: **\$1.50** | 10 - 24: **\$1.20** | 25 - 99: **\$1.00** | 100 or more: **\$0.90**



DD-FCV710 Drip Flow Control Valve .710" OD x .710" OD

- Compression Flow Control Valve for Drip Tubing with .710" OD (Outside Diameter)
- Blue rings indicate 710 fittings (.710" Outside Diameter) • Quick & Easy Installation
- High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 to 30 PSI • Maximum Operation Pressure: 60 PSI. • Compression fittings require no glue

1 - 9: **\$1.50** | 10 - 24: **\$1.20** | 25 - 99: **\$1.00** | 100 or more: **\$0.90**



DD-FCV940 Drip Flow Control Valve (3/4") .940" OD x .940" OD

- Flow Control Valve for 3/4" Drip Tubing - .940" OD (Outside Diameter) • Quick & Easy Installation • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 to 30 PSI • Maximum Operation Pressure: 60 PSI.
- Compression fittings require no glue

1 - 9: **\$1.65** | 10 - 24: **\$1.30** | 25 - 99: **\$1.10** | 100 or more: **\$1.00**



DD-YBV75 Y Ball Valve (2 outlets) 3/4" FHT x 3/4" MHT (Male Hose Thread x 2)

- Y Ball Valve allows you to install a Drip Irrigation System on your hose bibb and attach your garden hose to the other side
- Inlet: 3/4" FHT (Female Hose Thread)
- 2 Outlets: 3/4" MHT (Male Hose Thread)
- Individual shut off valve for each outlet
- Hose Washer included

1 - 9: **\$1.90** | 10 - 24: **\$1.60** | 25 - 99: **\$1.25** | 100 or more: **\$1.10**



DD-BV75 Ball Valve - 3/4" FHT (Female Hose Thread) x 3/4" MHT

- Inlet: 3/4" FHT (Female Hose Thread)
- Outlet: 3/4" MHT (Male Hose Thread)
- Hose Washer included

1 - 9: **\$1.50** | 10 - 24: **\$1.20** | 25 - 99: **\$1.10** | 100 or more: **\$0.90**

Filters



DD-HFW 3/4" Hose Filter Washer - 60 Mesh Screen

- For use with 3/4" Female Hose Fittings.
- All in One washer & screen
- 60 Mesh Stainless Steel Screen
- Designed to be installed on inlet FHT (Female Hose Thread) side of any hose threaded item

1 - 9: **\$0.50** | 10 - 24: **\$0.40** | 25 - 99: **\$0.35** | 100 or more: **\$0.30**



DD-HIF75 Hose Inline Filter 3/4" FHT x 3/4" MHT w/ 120 Mesh Poly Screen

- Low Cost Hose Threaded Inline Filter
- 120 Mesh Poly Screen
- Maximum Flow Rate: 10 GPM (Gallons per Minute)
- Maximum operating pressure: 80 PSI
- 3/4" FHT (Female Hose Thread) Inlet
- 3/4" MHT (Male Hose Thread) Outlet
- Hose Washer Included
- Replacement Screen available
- Overall Length 6"

1 - 9: **\$3.50** | 10 - 24: **\$2.90** | 25 - 199: **\$2.50** | 200 or more: **\$2.25**

DD-HIFRS Replacement Filter 120 Mesh Poly for DD-HIF75

- 120 Mesh Poly Screen
- Unscrew female hose end of the filter to replace screen

\$1.50



DD-YS75 Y Filter 3/4" MPT (Male Pipe Thread) w/ 150 Mesh Stainless Steel Screen

DD-YS100 Y Filter 1" MPT (Male Pipe Thread) w/ 150 Mesh Stainless Steel Screen

DD-YS75-200 Y Filter 3/4" MPT (Male Pipe Thread) x 3/4" w/ MPT (Male Pipe Thread) 200 Mesh Stainless Steel Screen

- Inlet and outlet are 3/4" (DD-YS75) or 1" (DD-YS100) Male Pipe Thread (MPT).
- Stainless steel 150 mesh screen
- Heavy duty plastic with maximum UV & oxidizer protection
- Maximum Flow Rate: 16 Gallons Per Minute (DD-YS75) or 22 Gallons Per Minute (GPM) (DD-YS100)
- Maximum Pressure: 120 Pounds Per Square Inch (PSI)
- Not recommended to be installed under static (constant) pressure
- Should be installed after a manual or electric valve
- Should be installed before pressure regulator
- This will not work on hose threaded items
- 150 and 200 Mesh (filters smaller particles) replacement screens available
- O-Ring Kit available

Product Number	Product Description	1 - 5	6 - 39	40 or more
DD-YS75	Y Filter 3/4" MPT 150 mesh screen	\$6.50	\$4.25	\$3.60
DD-YS100	Y Filter 1" MPT 150 mesh screen	\$7.50	\$4.75	\$3.90
DD-YS75-200	Y Filter 1" MPT 200 mesh screen	\$6.50	\$4.25	\$3.60

Drip Irrigation

Water Source Connections

Filters



DD-YSOK O-Ring Kit (3) for 3/4" and 1" Y Filters

- Replacement o-ring kit for 3/4" Y Filter and 1" Y Filter
- Large O-ring for filter body
- 2 small O-rings for filter screen

\$0.50



DD-YSRS200 Replacement Filter 200 Mesh Stainless Steel Screen for 3/4" and 1" Y Filters

- 200 Mesh Stainless Steel Screen
- Includes filter O-Rings
- Replacement screen for 3/4" Y Filter and 1" Y Filter

\$2.00



DD-YSRS Replacement Filter 150 Mesh Stainless Steel Screen for 3/4" and 1" Y Filters

- Replacement screen for 3/4" Y Filter and 1" Y Filter.
- Includes filter O-rings
- 150 Mesh Stainless Steel

\$2.00



DD-YS75HFM Y Filter 3/4" FHT x 3/4" MHT w/ 150 Mesh Screen

DD-YS75HFM-200 Y Filter 3/4" FHT x 3/4" MHT w/ 200 Mesh Screen

- Inlet: 3/4" FHT (Female Hose Thread)
- Outlet: 3/4" MHT (Male Hose Thread)
- For use with hose threaded products only.
- Stainless Steel 150 Mesh Screen
- Heavy duty plastic with maximum UV & oxidizer protection
- Operating Pressure: Up to 120 PSI
- Recommended Flow Rate: Up to 12 GPM (gallons per minute) or 720 GPH
- Should be installed after a manual or electric valve
- Should be installed before pressure regulator
- 100 and 200 Mesh (filters smaller particles) replacement screens available
- O-Ring available

1 - 5: **\$7.50** | 6 - 39: **\$5.25** | 40 or more: **\$4.60**

Pressure Regulators



DD-HPR10 Pressure Regulator 10 PSI - Hose Threaded 3/4" FHT x 3/4" MHT for Drip Tape

DD-HPR20 Pressure Regulator 20 PSI - Hose Threaded 3/4" FHT x 3/4" MHT

DD-HPR30 Pressure Regulator 30 PSI - Hose Threaded 3/4" FHT x 3/4" MHT

DD-HPR45 Pressure Regulator 45 PSI - Hose Threaded 3/4" FHT x 3/4" MHT

- DD-HPR20 (20 PSI) AND DD-HPR30 (30 PSI) Drip Irrigation Pressure Regulators
- 45 PSI (DD-HPR45) Creates finer mist with foggers - misters
- Inlet: 3/4" FHT (Female Hose Thread)
- Outlet: 3/4" MHT (Male Hose Thread)
- Flow Rate Range: .1 - 8 GPM (Gallons Per Minute)
- Maximum Operating Inlet Pressure: 100 PSI
- Heavy Duty ABS Plastic with Maximum UV & Oxidizer Protection
- Recommended to be installed after a filter
- Regulator is not designed to be under static (constant) pressure
- DD-HPR45 (45 PSI) Not recommended for most drip systems

1 - 11: **\$3.75** | 12 - 39: **\$3.25** | 40 or more: **\$2.75**

Regulators



DD-PR20LF-75 Pressure Regulator 20 PSI - Pipe Threaded 3/4" FPT x 3/4" MPT

DD-PR30LF-75 Pressure Regulator 30 PSI - Pipe Threaded 3/4" FPT x 3/4" MPT

- PSI Pre-set Pressure Regulator • Drip Irrigation Pressure Regulator • Inlet: 3/4" FPT (Female Pipe Thread) • Outlet: 3/4" MPT (Male Pipe Thread) • Flow Rate Range: .1 - 8 GPM (Gallons Per Minute) • Maximum Operating Inlet Pressure: 100 PSI • Heavy Duty ABS Plastic with Maximum UV & Oxidizer Protection • Recommended to be installed after a filter • Pipe threads require teflon tape • Regulator is not designed to be under static (constant) pressure

1 - 5: **\$3.75** | 6 - 39: **\$3.25** | 40 or more: **\$2.75**

Controllers & Timers



DD-HEDT Battery Operated Hose End Timer - Solid State

- Excellent for Drip Irrigation • Connects to 3/4" Hose Bibb or Y Ball Valve • Digital Display • Up to 9 Start Timers Per Day • Requires 2 - AA Batteries (not included) • Water Budget Capability • 1 to 255 Minute Run Time • Rubber Boot Cover for Maximum Protection • Inlet: 3/4" FHT (Female Hose Thread) • Outlet: 3/4" MHT (Male Hose Thread) • Maximum flow rate: 4 Gallons Per Minute • Hose End Timer Instruction Sheet

1 - 5: **\$29.90** | 6 - 29: **\$26.90** | 30 or more: **\$24.90**

Anti Siphon Vacuum Breaker



DD-HVB Hose Vacuum Breaker 3/4" FHT (Female Hose Thread) x 3/4" MHT (Male Hose Thread) w/ washer

- Should not be installed under static (constant) water pressure • Install after manual or electric control valve • Inlet: 3/4" FHT (Female Hose Thread) • Outlet: 3/4" MHT (Male Hose Thread) • Hose Washer Included

1 - 24: **\$2.00** | 25 - 99: **\$1.75** | 100 or more: **\$1.50**

Adapter Fittings



DD-HW Hose Washer 3/4"

- 3/4" diameter • Rubber hose washer • All hose threads require a hose washer for proper water seal

1 - 24: **\$0.25** | 25 - 99: **\$0.20** | 100 or more: **\$0.15**

Drip Irrigation

Water Source Connections

Adapter Fittings Cont.



DD-CHS250 3/4" FHT (Female Hose Thread) Swivel x 1/4" (250) Barb Hose Adapter w/ washer

DD-CHS620 3/4" FHT Swivel Hose Adapter w/ washer x Raindrip 620 Tubing

DD-CHS700 3/4" FHT Swivel Adapter w/ washer x .700" Drip Hose

DD-CHS710 3/4" FHT Swivel Hose Adapter w/ Washer - 710 Tubing

DD-CHS940 940 (3/4") Compression Swivel Adapter x 3/4" FHT w/ washer

- Inlet: 3/4" FHT (Female Hose Thread)
- Swivel design makes installation quick and easy
- Hose washer included

Product Number	Product Description	1 - 9	10 - 24	25 - 99	100 or more
DD-CHS250	3/4" FHT Swivel x 1/4" Hose Adapter	\$0.75	\$0.60	\$0.50	\$0.40
DD-CHS620	3/4" FHT Swivel Hose Adapter	\$0.65	\$0.50	\$0.45	\$0.40
DD-CHS700	3/4" FHT Swivel Adapter	\$0.65	\$0.50	\$0.45	\$0.40
DD-CHS710	3/4" FHT Swivel Hose Adapter	\$0.65	\$0.50	\$0.45	\$0.40
DD-CHS940	3/4" Compression Swivel Adapter	\$1.19	\$0.98	\$0.85	\$0.75



DD-FH2 3/4" FHT (Female Hose Thread) Swivel x 3/4" Female Slip Adapter

DD-FH3 3/4" FHT Swivel x 1/2" Male Pipe Thread Adapter

DD-FH4 3/4" FHT Swivel x 3/4" Male Pipe Thread Adapter

- Constructed of high quality Schedule 40 PVC
- Garden hose thread and pipe slip connection
- 3/4" female hose thread swivel by 3/4" slip
- 3/4" slip end requires PVC glue
- Hose Washer included

1 - 24: **\$1.50** | 25 or more: **\$1.35**

DD-FH6 3/4" FHT Swivel w/ washer x 3/4" Female Pipe Thread Adapter

- One end: 3/4" female hose thread
- Other end: 3/4" female pipe thread
- Pipe threads require teflon tape
- Hose threads require a hose washer (included)

1 - 24: **\$1.50** | 25 or more: **\$1.35**

DD-FH7 3/4" FHT Swivel x 3/4" Female Hose Thread Swivel Hose Coupling

- Constructed of high quality Schedule 40 PVC
- Double Female Water Hose Coupling
- 3/4" female hose thread swivel x 3/4" female hose thread swivel
- Hose Washers included

1 - 24: **\$1.50** | 25 or more: **\$1.35**

DD-MH2 3/4" MHT (Male Hose Thread) x 1/2" Female Pipe Thread Adapter

- Adapt a male pipe thread fitting to male hose threads.
- Use teflon tape on pipe threads and a 3/4" hose washer between hose-threaded parts.

1 - 24: **\$1.10** | 25 or more: **\$1.00**

DD-MH4 1/2" Male Pipe Thread x 3/4" Male Hose Thread Adapter

- Adapter Fitting
- 1/2" male pipe threads x 3/4" male hose threads
- PVC

1 - 24: **\$1.10** | 25 or more: **\$1.00**

Water Source Connections & Drip Tubing and Fittings



DD-MH6 3/4" MHT (Male Hose Thread) x 3/4" Male Pipe Thread Adapter

- Adapts 3/4" female hose threads to 3/4" female pipe threads.

1 - 24: **\$0.50** | 25 or more: **\$0.45**

DD-MH7 3/4" Female Pipe Thread Swivel w/ washer x 3/4" MHT Adapter

- Pipe threads require teflon tape • Hose threads require a hose washer (included)

1 - 24: **\$1.00** | 25 or more: **\$0.90**

DD-MH8 3/4" Male Hose Thread x 1/2" Slip Elbow Adapter

DD-MH9 3/4" Male Hose Thread x 3/4" Female Slip Elbow Adapter

- Perfect for attaching a 3/4" hose-threaded drip regulator to a 1/2" PVC pipe. • Glue onto the pipe with PVC Glue. • Hose threads require no teflon tape or plumber's putty.
- A hose washer in the regulator will make the seal water tight.

1 - 24: **\$1.20** | 25 or more: **\$1.00**

DD-MH10 Elbow Adapter - 3/4" MHT x 1/2" FPT (Female Pipe Thread) - Black

- Perfect for attaching a 3/4" hose-threaded drip regulator or Y Ball Valve to a 1/2" threaded riser. • Hose threads require no teflon tape or plumber's putty. • A hose washer in the regulator will make the seal water tight.

1 - 24: **\$1.20** | 25 or more: **\$1.00**

Drip Tubing and Fittings

Drip Hose US Dimensions - Inches					Compression
Commonly Called					Fitting
Tubing#	Size	Inner Diameter	Outer Diameter	Wall Thickness	Ring Color
185	1/8"	0.125	0.185	0.030	n/a
220	7/32"	0.160	0.220	0.030	n/a
250	1/4"	0.170	0.250	0.040	Orange
307	5/16"	0.250	0.307	0.028	Grey
350	11/32"	0.250	0.350	0.050	n/a
455	3/8"	0.375	0.455	0.040	Red
580	1/2"	0.500	0.580	0.040	Yellow
620	Raindrip 1/2"	0.520	0.620	0.050	Green
700	1/2" or 5/8"	0.600	0.700	0.050	Black
710	1/2" or 5/8"	0.620	0.710	0.045	Blue
830	3/4"	0.720	0.830	0.055	Grey
940	3/4"	0.820	0.940	0.060	Black
940	3/4"	0.830	0.940	0.055	Black
1200	1"	1.060	1.200	0.070	n/a

Drip Irrigation

Drip Tubing and Fittings

Solid Drip Tubing



1/4" Micro Tubing

DD-DH250-50 1/4" x 50' Poly Micro Tubing - 50' Roll

DD-DH250-100 1/4" x 100' Poly Micro Tubing - 100' Roll

DD-DH250-1000 1/4" x 1,000' Poly Micro Tubing - 1,000' Roll

- High Quality Polyethylene Tubing
- Manufactured with Finger Print PE Resin
- Blank Black Tubing for Professional Installation
- .170" Inside Diameter & .250" Outside Diameter
- Recommended Operating Pressure: 10 to 30 PSI
- Maximum Pressure: 50 PSI
- Maximum Flow Rate per Circuit: 30 GPH
- Maximum Run per single line of tubing: 50'

Product Number	Product Description	
DD-DH250-50	1/4" x 50' Poly Micro Tubing - 50' Roll	\$3.50

Product Number	Product Description	1 - 4	5 or more
DD-DH250-100	1/4" x 100' Poly Micro Tubing - 100' Roll	\$4.90	\$4.50

Product Number	Product Description	1 - 2	3 or more
DD-DH250-1000	1/4" x 1,000' Poly Micro Tubing - 1,000' Roll	\$39.50	\$37.50

DD-DH250V-100 1/4" x 100' Vinyl Micro Tubing - 100' Roll

DD-DH250V-1000 1/4" x 1,000' Vinyl Micro Tubing - 1,000' Roll

- Made with PVC (Poly Vinyl Chloride)
- Manufactured with Finger Print PE Resin
- Blank Black Tubing for Professional Installation
- .170" Inside Diameter & .250" Outside Diameter
- Maximum Pressure: 30 PSI
- Maximum Flow Rate per Circuit: 30 GPH (Gallons Per Hour)
- Maximum Run per single line of tubing: 50'

Product Number	Product Description	1-2	1-4	3 or more	5 or more
DD-DH250V-100	1/4" x 100' Vinyl Solid Micro Tubing		\$5.90		\$5.50
DD-DH250V-1000	1/4" x 1000' Vinyl Solid Micro Tubing	\$52.00		\$49.50	

1/2" .620 OD Raindrip Tubing

DD-DH620-50 1/2" x 50' .620 OD Poly Tubing - Raindrip Replacement

DD-DH620-100 1/2" x 100' .620 OD Poly Tubing - Raindrip Replacement

DD-DH620-500 1/2" x 500' .620 OD Poly Tubing - Raindrip Replacement

- .520" Inside Diameter & .620" Outside Diameter
- Use Raindrip 620 Series Compression fittings with this tubing.
- Do not use 700, 710, or Direct-Loc fittings.
- Operating Pressure: 10 - 60 PSI
- Recommended Pressure: 30 PSI
- High Quality PE (Polyethylene) Drip Tubing
- Manufactured with Finger Print PE Resin
- Blank Black Drip Tubing for Professional Installation
- Maximum Flow Rate per Circuit: 180 GPH (Gallons Per Hour)

Product Number	Product Description	
DD-DH620-50	1/2" x 50' .620 OD Poly Tubing - Raindrip Replacement	\$7.00
DD-DH620-100	1/2" x 100' .620 OD Poly Tubing - Raindrip Replacement	\$10.90
DD-DH620-500	1/2" x 500' .620 OD Poly Tubing - Raindrip Replacement	\$51.00



1/2" .700 OD Poly Tubing

DD-DH700-50 1/2" x 50' .700 OD Poly Tubing - 50' Roll

DD-DH700-100 1/2" x 100' .700 OD Poly Tubing - 100' Roll

DD-DH700-500 1/2" x 500' .700 OD Poly Tubing - 500' Roll

DD-DH700-1000 1/2" x 1,000' .700 OD Poly Tubing - 1,000' Roll

- .600" Inside Diameter & .700" Outside Diameter • Use 700 Series Compression fittings with this tubing. Do not use 710 fittings (blue rings).
- Use Direct-Loc Drip Fittings (fit 710 & 700 drip tubing) • Operating Pressure: 10 - 60 PSI • Recommended Pressure: 30 PSI
- High Quality PE (Polyethylene) Drip Tubing • Manufactured with Finger Print PE Resin • Blank Black Drip Tubing for Professional Installation
- Maximum Flow Rate per Circuit: 240 GPH (Gallons Per Hour)

Product Number	Product Description	
DD-DH700-50	1/2" x 50' .700 OD Poly Tubing - 50' Roll	\$7.00
DD-DH700-100	1/2" x 100' .700 OD Poly Tubing - 100' Roll	\$11.90

Product Number	Product Description	1 - 4	5 - 9	10 or more
DD-DH700-500	1/2" x 500' .700 OD Poly Tubing - 500' Roll	\$54.90	\$53.90	\$51.90

Product Number	Product Description	1 - 4	5 - 9	10 or more
DD-DH700-1000	1/2" x 500' .700 OD Poly Tubing - 1000' Roll	\$99.00	\$96.50	\$92.50



1/2" .710 OD Poly Tubing

DD-DH710-100 1/2" x 100' .710 OD Poly Tubing - 100' Roll

DD-DH710-500 1/2" x 500' .710 OD Poly Tubing - 500' Roll

DD-DH710-1000 1/2" x 1,000' .710 OD Poly Tubing - 1,000' Roll

- .620" Inside Diameter & .710" Outside Diameter • Use 710 Series Compression fittings with this tubing, do not use 700 fittings
- Use Direct-Loc Drip Fittings (fit 710 & 700 drip tubing) • Operating Pressure: 10 - 60 PSI • Recommended Pressure: 30 PSI
- High Quality PE (Polyethylene) Drip Tubing • Manufactured with Finger Print PE Resin
- Blank Black Drip Tubing for Professional Installation • Maximum Flow Rate per Circuit: 240 GPH (Gallons Per Hour)

Product Number	Product Description	
DD-DH710-100	1/2" x 100' .710 OD Poly Tubing - 100' Roll	\$11.90

Product Number	Product Description	1 - 4	5 - 9	10 or more
DD-DH710-500	1/2" x 500' .710 OD Poly Tubing - 500' Roll	\$54.90	\$53.90	\$51.90

Product Number	Product Description	1 - 4	5 - 9	10 or more
DD-DH710-1000	1/2" x 1,000' .710 OD Poly Tubing - 1000'	\$99.00	\$96.50	\$92.50

Drip Irrigation

Drip Tubing and Fittings

.600" ID x .700" OD Tubing Maximum Length Run Chart

	PCE Pressure Compensation Emitters						Non-Pressure Compensation Emitters		
	0.5 GPH		1.0 GPH		2.0 GPH		0.5 GPH	1.0 GPH	2.0 GPH
	20 P.S.I	30 P.S.I	20 P.S.I	30 P.S.I	20 P.S.I	30 P.S.I	20 P.S.I	20 P.S.I	20 P.S.I
12" Spacing (100 Emitters per 100')									
Maximum Run in feet	360	465	225	245	165	200			
GPH Required	180	233	225	245	330	400			
18" Spacing (66 Emitters per 100')									
Maximum Run in feet	440	590	280	375	200	265	300	210	135
GPH Required	147	197	187	250	267	353	100	140	180
24" Spacing (50 Emitters per 100')									
Maximum Run in feet	535	710	340	450	240	320	360	250	160
GPH Required	134	178	170	225	240	320	90	125	160
36" Spacing (33 Emitters per 100')									
Maximum Run in feet	680	900	440	580	305	405	470	325	210
GPH Required	113	150	147	193	203	270	78	108	140
48" Spacing (25 Emitters per 100')									
Maximum Run in feet	820	1090	530	690	370	590	580	400	250
GPH Required	103	136	133	173	185	245	70	100	125
60" Spacing (20 Emitters per 100')									
Maximum Run in feet	970	1290	620	820	435	575	650	460	290
GPH Required	97	129	124	164	174	230	65	92	116
Note: If your water source is from a Hose Bibb (Water Faucet, Spigot or Hydrant) you are limited to 240 GPH									

Solid Drip Tubing Cont.



3/4" .940 OD Poly Tubing

DD-DH940-50 3/4" x 50' .940 OD Poly Tubing - 50' Roll

DD-DH940-100 3/4" x 100' .940 OD Poly Tubing - 100' Roll

DD-DH940-500 3/4" x 500' .940 OD Poly Tubing - 500' Roll

- .820" Inside Diameter & .940" Outside Diameter • Use 940 Series Compression fittings with this tubing.
- Operating Pressure: 10 - 60 PSI • Recommended Pressure: 30 PSI
- High Quality PE Drip Tubing • Manufactured with Finger Print PE Resign
- Blank Black Drip Tubing for Professional Installation • Maximum Flow Rate per Circuit: 480 GPH

Product Number	Product Description	
DD-DH940-50	3/4" x 50' .940 OD Poly Tubing - 50' Roll	\$11.90
DD-DH940-100	3/4" x 100' .940 OD Poly Tubing - 100' Roll	\$18.00

Product Number	Product Description	1 - 4	5 or more
DD-DH940-500	3/4" x 500' .940 OD Poly Tubing - 500' Roll	\$89.50	\$84.50

Soaker Hose Dripline



Picture of Pressure Compensating
Emitter extruded into tubing

1/4" Soaker Hose Dripline

DD-DET250-6-100 1/4" x 100' Soaker Hose 6" Spacing 1/2 GPH Dripline Emitters - Black Tubing

- 100 foot roll • 1/4" Soaker Hose with 1/2 gph drip emitters spaced every 6"
- 1/2 gph emitters molded into drip tubing • Water Output: 1 gallon per foot (changes with pressure - see below) • Works with all 1/4" barbed fittings • Maximum Operating Pressure: 30 PSI • Maximum Run per Branch = 19 feet
- Maximum Total Run = 200 feet (when fed off of 1/2" drip tubing).

1 - 4 : **\$16.50** | 5 - 9: **\$15.50** | 10 or more: **\$14.50**

DD-DET250-12-100 1/4" x 100' Soaker Hose 12" Spacing 1/2 GPH Dripline Emitters - Black Tubing

- 100 foot roll • 1/4" Soaker Hose Dripline with 1/2 gph emitters spaced every 12"
- 1/2 gph emitters molded into drip tubing • Water Output: 1/2 gph per foot (changes with pressure - see below) • Works with all 1/4" fittings • Maximum Operating Pressure: 30 PSI • Maximum run per branch = 33 feet • Maximum total run = 400 feet (when fed off of 1/2" drip tubing).

1 - 4 : **\$11.50** | 5 - 9: **\$10.50** | 10 or more: **\$9.50**

Drip Irrigation

Drip Tubing and Fittings



Picture of Pressure Compensating Emitter extruded into tubing

1/2" Soaker Hose Dripline

- Pressure Compensating Emitters are extruded into 700 Drip Tubing. • Tubing Size: .600" ID (Inside Diameter) x .700" OD (Outside Diameter) • Fittings: Use our 700 compression fittings or Direct-Loc drip fittings • Operating Pressure: 10 - 50 PSI
- Pressure Compensating: Output remains at 1/2 GPH for 1/2 GPH emitters and 1 GPH for 1 GPH emitters even if pressure fluctuates between 10 - 50 PSI • Self-flushing emitters reduce clogging • Our Drip Emitter Tubing will last over 8 years, and even longer if you mulch over it • We do not recommend burying this tubing
- Maximum Total Run per circuit:
1/2 GPH 12" spacing= 450', 1 GPH 12" spacing= 225', 1/2 GPH 18" spacing= 500', 1 GPH 18" spacing= 350', 1 GPH 24" spacing= 450', 1 GPH 36" spacing= 580'

Product Number	Product Description	1 - 2	3 or more
DD-DET700-512-100	1/2" x 100' Tubing 1/2 GPH PC Emitters Spaced 12"	\$30.00	\$28.00
DD-DET700-518-100	1/2" x 100' Tubing 1/2 GPH PC Emitters Spaced 18"	\$25.00	\$22.50
DD-DET700-1018-100	1/2" x 100' Tubing 1 GPH PC Emitters Spaced 18"	\$25.00	\$22.50
DD-DET700-1024-100	1/2" x 100' Tubing 1 GPH PC Emitters Spaced 24"	\$22.50	\$20.50
DD-DET700-1036-100	1/2" x 100' Tubing 1 GPH PC Emitters Spaced 36"	\$18.00	\$17.00

Product Number	Product Description	1	2 or more
DD-DET700-1012-100	1/2" x 100' 1 GPH PC In-Line Emitters Spaced 12"	\$30.00	\$28.00

Product Number	Product Description	1 - 4	5 - 9	10 or more
DD-DET700-512-400	1/2" x 400' Tubing 1/2 GPH PC Emitters Spaced 12"	\$104.00	\$98.80	\$93.60
DD-DET700-1012-400	1/2" x 400' Tubing 1 GPH PC Emitters Spaced 12"	\$104.00	\$98.80	\$93.60
DD-DET700-518-400	1/2" x 400' Tubing 1/2 GPH PC Emitters Spaced 18"	\$87.20	\$82.84	\$78.48
DD-DET700-1018-400	1/2" x 400' Tubing 1 GPH PC Emitters Spaced 18"	\$87.20	\$82.84	\$78.48
DD-DET700-1024-400	1/2" x 400' Tubing 1 GPH PC Emitters Spaced 24"	\$77.50	\$73.65	\$69.90
DD-DET700-1036-400	1/2" x 400' Tubing 1 GPH PC Emitters Spaced 36"	\$71.50	\$67.90	\$64.50

Compression fittings



1/2" .620 OD Raindrip

- Green rings indicate 620 fittings (for .620" Raindrip tubing) • Compression Fit for .620" O.D. (outside diameter) drip mainline tubing • Recommended Operating Pressure: 10 to 30 PSI • Maximum Operation Pressure: 60 PSI.

Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-C620	Compression Coupling Replacement-620 Tubing	\$0.40	\$0.35	\$0.30	\$0.26
DD-L620	Compression Elbow Replacement-620 Tubing	\$0.55	\$0.50	\$0.45	\$0.40
DD-T620	Compression Tee Replacement-620 Tubing	\$0.55	\$0.50	\$0.45	\$0.40
DD-EC620	Compression End Cap Replacement-620 Tubing	\$0.50	\$0.45	\$0.40	\$0.36
DD-CHS620	3/4" FHT Swivel Hose Adapter x 620 Tubing	\$0.65	\$0.50	\$0.45	\$0.40
DD-CMH620	3/4" MHT x 620 Compression Fitting	\$0.45	\$0.40	\$0.33	\$0.30
DD-CST620	Compression Swivel Tee 3/4" FHT Inlet	\$1.00	\$0.74	\$0.60	\$0.55
DD-FCV620	Flow Control Valve Replacement .620" x .620"	\$1.60	\$1.30	\$1.10	\$1.00
DD-T940620	940 x 940 x 620 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70



1/2" .700 OD Black Ring

- Compression Coupling for 1/2" Drip Tubing with .700" OD (Outside Diameter)
- Quick & Easy Installation • High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 to 30 PSI • Maximum Operating Pressure: 60 PSI

Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-C700	Compression Coupling - 700 Tubing	\$0.40	\$0.32	\$0.26	\$0.22
DD-L700	Compression Elbow - 700 Tubing	\$0.55	\$0.50	\$0.40	\$0.35
DD-T700	Compression Tee - 700 Tubing	\$0.55	\$0.50	\$0.40	\$0.35
DD-EC700	Compression End Cap - 700 Tubing	\$0.50	\$0.45	\$0.36	\$0.32
DD-CHS700	3/4" FHT Swivel Hose Adapter x 700 Drip Hose	\$0.65	\$0.50	\$0.45	\$0.40
DD-CMH700	3/4" MHT x 700 Compression Fitting	\$0.45	\$0.40	\$0.33	\$0.30
DD-CFP700	3/4" FPT Swivel x 700 Tubing	\$0.65	\$0.50	\$0.45	\$0.40
DD-CMP700	3/4" MPT x 700 Tubing	\$0.45	\$0.40	\$0.33	\$0.30
DD-CST700	Compression Swivel Tee 3/4" FHT Inlet	\$1.00	\$0.74	\$0.60	\$0.55
DD-FCV700	Flow Control Valve .700" x .700"	\$1.50	\$1.20	\$1.00	\$0.90
DD-T940700	940 x 940 x 700 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70

[DD-CEFV](#) End Tube - Auto Flush Valve x 700 Compression

- Automatically Flushes at Sytem Turn On & Off • Closing Pressure: 7 PSI • Recommended Pressure: 10 to 30 PSI • High Quality Plastic with Maximum UV Protection
- Designed to be installed at end of Drip Hose Main Line

1 - 24 : **\$0.90** | 25 or more: **\$0.65**



.710" OD Blue Ring

- Compression Coupling for 1/2" Drip Tubing with .710" OD (Outside Diameter)
- Recommended Operating Pressure: 10 to 30 PSI • Maximum Operating Pressure: 60 PSI

Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-C710	Compression Coupling - 710 Tubing	\$0.40	\$0.32	\$0.26	\$0.22
DD-L710	Compression Elbow - 710 Tubing	\$0.55	\$0.50	\$0.40	\$0.35
DD-T710	Compression Tee - 710 Tubing	\$0.55	\$0.50	\$0.40	\$0.35
DD-EC710	Compression End Cap - 710 Tubing	\$0.50	\$0.45	\$0.36	\$0.32
DD-CHS710	3/4" FHT Swivel Hose Adapter x 710 Drip Hose	\$0.65	\$0.50	\$0.45	\$0.40
DD-CMH710	3/4" MHT x 710 Compression Fitting	\$0.45	\$0.40	\$0.33	\$0.30
DD-CST710	Compression Swivel Tee 3/4" FHT Swivel Inlet	\$1.00	\$0.74	\$0.60	\$0.55
DD-FCV710	Flow Control Valve .710" x .710"	\$1.50	\$1.20	\$1.00	\$0.90
DD-T940710	940 x 940 x 710 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70

Drip Irrigation

Drip Tubing and Fittings



3/4" .940 OD Gray Ring

- Quick & Easy Installation
- High Quality Plastic with Maximum UV Protection
- Maximum Operation Pressure: 60 PSI.

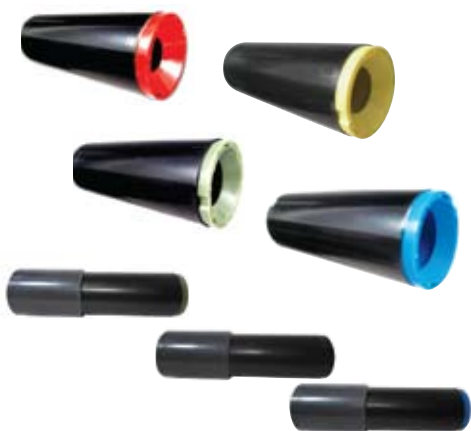
Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-C940	940 (3/4") Compression Coupling	\$0.52	\$0.45	\$0.38	\$0.33
DD-L940	940 (3/4") Compression Elbow	\$0.79	\$0.63	\$0.54	\$0.49
DD-T940	940 (3/4") Compression Tee	\$1.20	\$0.92	\$0.79	\$0.70
DD-EC940	940 (3/4") Compression End Cap	\$0.89	\$0.70	\$0.61	\$0.55
DD-CHS940	3/4" FHT Swivel Hose Adapter x 940 Drip Hose	\$1.19	\$0.98	\$0.85	\$0.75
DD-CMH940	3/4" MHT x 940 Compression Fitting	\$0.68	\$0.55	\$0.48	\$0.42
DD-CST940	Compression Swivel Tee 3/4" FHT Swivel Inlet	\$1.58	\$1.28	\$1.12	\$1.00
DD-FCV940	Drip Flow Control Valve .940" x .940"	\$1.65	\$1.30	\$1.10	\$1.00
DD-T940620	940 x 940 x 620 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70
DD-T940700	940 x 940 x 700 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70
DD-T940710	940 x 940 x 710 Compression Reducing Tee	\$1.20	\$0.92	\$0.79	\$0.70



Compression Adapters - 1/2" PVC Male Slip Fittings

- Glues into any 3/4" Female Slip PVC Fitting
- With all of the PVC Fittings available on the market this gives you unlimited possibilities for connecting your Drip Irrigation System to any existing Irrigation System
- Use with any PVC Glue
- Maximum UV Protection

Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-CA455	1/2" PVC Male Slip x .455" Compression Adapter	\$0.15	\$0.12	\$0.10	\$0.085
DD-CA580	1/2" PVC Male Slip x .580" Compression Adapter	\$0.15	\$0.12	\$0.10	\$0.085
DD-CA620	1/2" PVC Male Slip x .620" Compression Adapter	\$0.15	\$0.12	\$0.10	\$0.085
DD-CA700	1/2" PVC Male Slip x .700" Compression Adapter	\$0.15	\$0.12	\$0.10	\$0.085
DD-CA710	1/2" PVC Male Slip x .710" Compression Adapter	\$0.15	\$0.12	\$0.10	\$0.085
DD-CA940	940 (3/4") Compression Adapter	\$0.22	\$0.20	\$0.16	\$0.13



Compression Adapters - 1/2" PVC Male Slip Fittings

- Quick & Easy Installation
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 to 30 PSI
- Maximum Operation Pressure: 60 PSI

Product Number	Product Description	1-9	10-24	25-99	100 or more
DD-CCA700-455	Compression Compling Adapter 700 x 455	\$0.45	\$0.40	\$0.35	\$0.30
DD-CCA700-580	Compression Compling Adapter 700 x 580	\$0.45	\$0.40	\$0.35	\$0.30
DD-CCA700-620	Compression Compling Adapter 700 x 620	\$0.45	\$0.40	\$0.35	\$0.30
DD-CCA700-710	Compression Compling Adapter 700 x 710	\$0.45	\$0.40	\$0.35	\$0.30
DD-CCA940-620	Compression Compling Adapter 940 x 620	\$0.80	\$0.65	\$0.55	\$0.48
DD-CCA940-700	Compression Compling Adapter 940 x 700	\$0.80	\$0.65	\$0.55	\$0.48
DD-CCA940-710	Compression Compling Adapter 940 x 710	\$0.80	\$0.65	\$0.55	\$0.48

Barbed Fittings



DD-C250 1/4" (250) Connector Barb x Barb

DD-CS250 1/4" (250) Cross Barb x Barb x Barb x Barb

DD-L250 1/4" (250) Elbow Barb x Barb

DD-T250 1/4" (250) Tee Barb x Barb x Barb

- Made of High Quality Plastic with Maximum UV Protection
- Operating Pressure: 10 - 40 PSI
- Designed for .170" ID (Inside Diameter) x .250" OD (Outside Diameter) Drip Tubing (250 or 1/4") DD-DH250

Product Number	Product Description	1-24	25-99	100-999	100 0or more
DD-C250	1/4" (250) Connector Barb x Barb	\$0.10	\$0.08	\$0.052	\$0.042
DD-CS250	1/4" (250) Cross Barb x Barb x Barb x Barb	\$0.23	\$0.18	\$0.15	\$0.13
DD-L250	1/4" (250) Elbow Barb x Barb	\$0.11	\$0.08	\$0.06	\$0.05
DD-T250	1/4" (250) Tee Barb x Barb x Barb	\$0.13	\$0.10	\$0.065	\$0.055



DD-FCV250 Drip 1/4" (250) Flow Control Valve Barb x Barb

- Flow Control Valve easily inserts into 1/4" drip tubing (.170" ID x .250" OD)
- 1/4 Turn Knob allows you to adjust the flow of water through 1/4" Drip Tubing
- Great for isolating individual flower pots or plantings

1 - 24 : \$0.50 | 25 - 99: \$0.40 | 100 - 999: \$0.30 | 1000 or more: \$0.25



DD-GP Goof Plug - Dual End 1/4" & 1/8"

- Drip Irrigation Dual End Goof Plug
- Used to plug end of 1/4" drip micro tubing
- Easy way to plug holes on main line drip hose
- Plug holes to correct mistakes
- Maximum UV Protection

1 - 24 : \$0.05 | 25 - 99: \$0.04 | 100 - 999: \$0.03 | 1000 or more: \$0.025



DD-BP250 Drip Bug Plug for 1/4" (250) Tubing

- For use with 1/4" distribution, micro, spaghetti tubing.
- Fits inside tubing like a barb
- Bug Plug will not affect water distribution rate

1 - 24 : \$0.08 | 25 - 99: \$0.07 | 100 - 999: \$0.05 | 1000 or more: \$0.04

Hole Punches



DD-HP250 Drip Deluxe Hole Punch for 1/4" Barb

- Made of Heavy Duty Plastic
- Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers
- Use with 620 Raindrip tubing (1/2"), 700 (1/2"), 710 (1/2") drip tubing or 940 (3/4") drip tubing
- Clean punch with a paper clip.

1 - 9 : \$3.60 | 10-24: \$2.90 | 25-99: \$2.30 | 100 or more: \$2.00



DD-KP Economical Hole Punch for 1/4" Barb

- Cost Effective Hole Punch
- Fits on a Key Ring
- High Quality Plastic

1 - 9 : \$0.40 | 10 - 24: \$0.30 | 25 - 99: \$0.25 | 100 or more: \$0.20



DD-SP250 Super Punch 1/4" Professional Drip Tubing Hole Punch

- Super Punch is made of Heavy Duty Plastic
- Professional Hole Punch for 1/4" Barbed Fittings & Drippers
- Blue adapter slides out for use with 3/4" drip tubing
- Stainless Steel cutting tip makes a clean, precise hole

1 - 9 : \$9.90 | 10 - 24: \$9.00 | 25 - 99: \$8.25 | 100 or more: \$7.00

Drip Tubing and Fittings

Stakes, Holdowns & Clips



DD-F8 Figure 8 End of Line Plug - 1/2" .620" .700" .710" Tubing

- Quick & Easy End Plug for 1/2" (.700" OD) Main Line Poly Tubing
- High Quality Plastic with Maximum UV Protection
- Maximum Operating Pressure: 60 PSI

1 - 24 : **\$0.15** | 25 - 99: **\$0.10** | 100 - 999: **\$0.08** | 1000 or more: **\$0.07**



DD-MC250B 1/4" (250) Drip Tubing Mounting Clip w/ Nail - Black Color

DD-MC700B 1/2" (700) Drip Hose Mounting Clip w/ Nail - Black Color

DD-MC250W 1/4" (250) Drip Tubing Mounting Clip w/ Nail - White Color

DD-MC700W 1/2" (700) Drip Hose Mounting Clip w/ Nail - White Color

- Excellent for clean, professional installations
- Won't damage tubing
- High quality plastic
- Nail included

Product Number	Product Description	1-24	25-99	100-999	1000 or more
DD-MC250B	1/4" (250) Drip Tubing Mounting Clip w/ Nail	\$0.08	\$0.07	\$0.05	\$ 0.03
DD-MC250W	1/4" (250) Drip Tubing Mounting Clip w/ Nail	\$0.08	\$0.07	\$0.05	\$0.03
DD-MC700W	1/2" (700) Drip Hose Mounting Clip w/ Nail	\$0.18	\$0.15	\$0.10	\$0.08

Product Number	Product Description	1-49	50-99	100-999	1000 or more
DD-MC700B	1/2" (700) Drip Hose Mounting Clip w/ Nail	\$0.18	\$0.15	\$0.10	\$0.08



DD-S1 Tubing Hold Down Plastic Stake for 1/2" & 3/4" Tubing

- Best way to secure 1/2" & 3/4" drip poly tubing
- High Quality Plastic with Maximum UV Protection
- Flat top to hammer into soil
- Use in loamy, light soils
- Also available: 8" wire stakes & 6" micro tubing stakes

1 - 24 : **\$0.25** | 25 - 99: **\$0.18** | 100 - 499: **\$0.15** | 500 or more: **\$0.13**



DD-S2 Micro Tubing Holder Stake 6" - Multiple sizes .167" to .350" OD

- Use near plants, in flower pots, and garden boxes.
- Holds 1/8" & 1/4" tubing in place
- Overall Length: 6"
- High Quality Strong Plastic with Maximum UV Protection

1 - 24 : **\$0.15** | 25 - 99: **\$0.11** | 100 - 999: **\$0.07** | 1000 or more: **\$0.06**



DD-S8 Drip Tubing Hold Down 8" Wire Stake fits 1/8" to 3/4" tubing

- Secure 1/8" to 3/4" drip tubing
- Made with corrosion-resistant steel
- Excellent in heavy soils
- Also available: 6" plastic hold downs & 6" micro tubing stakes

1 - 99 : **\$0.15** | 100 - 499: **\$0.11** | 500 or more: **\$0.08 9**



DD-RC700 Ratchet Clip Trellis Hanger for 700/710 Drip Hose

- Works with 1/2" to 3/4" drip tubing
- UV Resistant

1 - 9 : **\$0.12** | 10 - 99: **\$0.10** | 100 - 999: **\$0.07** | 1000 or more: **\$0.06**

Direct-Loc Fittings



- Fits Drip Tubing with .700" OD (Outside Diameter) & 710 drip tubing • Reusable – Just unscrew • Quick & Easy Installation & Removal • Fits both 700 & 710 drip tubing (.700" OD & .710" OD) • High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 to 30 PSI • Maximum Operating Pressure: 70 PSI • Allowable Tubing Wall Thickness: .025" -.050" • Allowable Tubing Inside Diameter: .590" - .630"

Product Number	Product Description	1 - 24	25 - 99	100 or more
DL-250B600	Direct-Loc .600" ID x 1/4" Barb - 700 or 710 Tubing	\$0.74	\$0.55	\$0.49
DL-400B600	Direct-Loc Hose by .400 Barb	\$0.74	\$0.55	\$0.49
DL-50M600	Direct-Loc 1/2" Male Adapter .600 ID DL x 1/2" MPT - 700 or 710 Tubing	\$0.39	\$0.27	\$0.24
DL-50S600	Direct-Loc 1/2" PVC Slip X DL	\$0.56	\$0.44	\$0.40
DL-75M600	Direct-Loc 3/4" Male Adapter .600 ID DL x 3/4" MPT - 700 or 710 Tubing	\$0.46	\$0.27	\$0.24
DL_75S600	Direct-Loc 3/4" PVC Slip x DL	\$0.56	\$0.44	\$0.40
DL_75ST600	Direct-Loc DL Tee x 3/4" PVC Slip	\$1.26	\$1.04	\$0.94
DL_C600	Direct-Loc Coupling .600" ID - 700 or 710 Tubing	\$0.49	\$0.32	\$0.28
DL_CA500600	Direct-Loc Hose Reducing Coupler .700/.710 x .620	\$1.12	\$0.72	\$0.65
DL_CS600	Direct-Loc 4-Way Cross .600 ID - 700 or 710 Tubing	\$1.96	\$1.60	\$1.44
DL_EC600	Direct-Loc End Cap .600 ID DL x 3/4" MHT w/ Cap - 700 or 710 Tubing	\$0.63	\$0.44	\$0.40
DL_FCV50MP600	Direct-Loc 1/2" MPT x DL Flow Control Valve	\$1.30	\$1.12	\$1.01
DL-FCV600	Direct-Loc Easy Loc 1/2" Flow Control Valve DL x DL	\$1.37	\$1.12	\$1.01
DL-FCVB400600	Direct-Loc Shut off Flow Control Valve DL x .400" Barb	\$1.44	\$1.09	\$0.98
DL-FHS600	Direct-Loc Swivel Adapter .600 ID DL x 3/4" FHT Swivel - 700 or 710 Tubing	\$0.74	\$0.53	\$0.47
DL-FLHS600	Direct-Loc Female Hose Elbow .600 ID DL x 3/4" FHT Swivel - 700 or 710 Tubing	\$0.98	\$0.79	\$0.71
DL-L600	Direct-Loc Elbow .600 ID DL x DL - 700 or 710 Tubing	\$0.91	\$0.62	\$0.55
DL-MH600	Direct-Loc Male Hose End .600 ID DL x 3/4" MHT - 700 or 710 Tubing	\$0.43	\$0.29	\$0.26
DL-MHT600	Direct-Loc Male Hose Tee .600 ID DL x DL x 3/4" MHT - 700 or 710 Tubing	\$1.02	\$0.80	\$0.72
DL-ST600	Direct-Loc Swivel Tee .600 ID DL x DL x 3/4" FHT Swivel - 700 or 710 Tubing	\$1.12	\$0.78	\$0.71
DL-T600	Direct-Loc Tee .600 ID - 700 or 710 Tubing	\$1.16	\$0.81	\$0.72



Drip Irrigation

Brown Dripperline & Fittings

Brown Dripperline Tubing



DD-DET17-512-100 17mm x 100' Dripline 12" Spacing 1/2 GPH PC In-Line Emitters

DD-DET17-518-100 17mm x 100' Dripline 18" Spacing 1/2 GPH PC In-Line Emitters

DD-DET17-524-100 17mm x 100' Dripline 24" Spacing 1/2 GPH PC In-Line Emitters

- 100 foot roll • Pressure Compensating Emitters are extruded into 17mm Brown Professional Dripperline. • Emitter Output remains at 1/2 GPH (Gallon Per Hour) even if pressure fluctuates between 14.7 - 70 PSI • Self-flushing emitters reduce clogging
- Minimum Filtration recommended 120 mesh screen. Shop Filters. • Tubing Size: .56" ID (Inside Diameter) x .66" OD (Outside Diameter) • Wall thickness: .050" • Flexible tubing. Bending Radius: 7" • Fittings: Use Dripperline Barbed Fittings • To cap line, use Figure 8 Line End • Operating Pressure: 14.7 - 70 PSI • Max Pressure recommended: 50 psi • Minimum pressure required: 14.7 psi • Not for use with gravity-fed systems
- Our Brown Professional Dripperline will last over 8 years, and even longer if you mulch over it • We do not recommend burying this tubing
- Driplines with Emitters spaced 12" apart have a 300' Maximum Total Run per circuit
- Driplines with Emitters spaced 18" apart have a 400' Maximum Total Run per circuit
- Driplines with Emitters spaced 24" apart have a 500' Maximum Total Run per circuit

Product Number	Product Description	
DD-DET17-512-100	17mm x 100' Dripline 12" Spacing 1/2 GPH PC In-Line Emitters	\$26.50
DD-DET17-518-100	17mm x 100' Dripline 18" Spacing 1/2 GPH PC In-Line Emitters	\$21.50
DD-DET17-524-100	17mm x 100' Dripline 24" Spacing 1/2 GPH PC In-Line Emitters	\$19.00



DD-DET17-512-250 17mm x 250' Dripline 12" Spacing 1/2 GPH PC In-Line Emitters

DD-DET17-518-250 17mm x 250' Dripline 18" Spacing 1/2 GPH PC In-Line Emitters

DD-DET17-524-250 17mm x 250' Dripline 24" Spacing 1/2 GPH PC In-Line Emitters

- 250 foot roll • Pressure Compensating Emitters are extruded into 17mm Brown Professional Dripperline. • Emitter Output remains at 1/2 GPH (Gallon Per Hour) even if pressure fluctuates between 14.7 - 70 PSI • Self-flushing emitters reduce clogging • Minimum Filtration recommended 120 mesh screen. Shop Filters. • Tubing Size: .56" ID (Inside Diameter) x .66" OD (Outside Diameter) • Wall thickness: .050" • Flexible tubing. Bending Radius: 7" • Fittings: Use Dripperline Barbed Fittings • To cap line, use Figure 8 Line End • Operating Pressure: 14.7 - 70 PSI • Max Pressure recommended: 50 psi • Minimum pressure required: 14.7 psi • Not for use with gravity-fed systems • Our Brown Professional Dripperline will last over 8 years, and even longer if you mulch over it
- We do not recommend burying this tubing
- Driplines with Emitters spaced 12" apart have a 300' Maximum Total Run per circuit
- Driplines with Emitters spaced 18" apart have a 400' Maximum Total Run per circuit
- Driplines with Emitters spaced 24" apart have a 500' Maximum Total Run per circuit

Product Number	Product Description	1 - 9	10 - 39	40 or more
DD-DET17-512-250	17mm x 250' Dripline 12" Spacing 1/2 GPH PC	\$65.00	\$59.99	\$49.50
DD-DET17-518-250	17mm x 250' Dripline 18" Spacing 1/2 GPH PC	\$52.20	\$48.00	\$39.50
DD-DET17-524-250	17mm x 250' Dripline 24" Spacing 1/2 GPH PC	\$46.50	\$43.00	\$35.00



DD-DET17-1012-100 17mm x 100' Dripline 12" Spacing 1 GPH PC In-Line Emitters-

DD-DET17-1018-100 17mm x 100' Dripline 18" Spacing 1 GPH PC In-Line Emitters

DD-DET17-1024-100 17mm x 100' Dripline 24" Spacing 1 GPH PC In-Line Emitters

- 100 foot roll • Pressure Compensating Emitters are extruded into 17mm Brown Professional Dripperline. • Emitter Output remains at 1 GPH (Gallon Per Hour) even if pressure fluctuates between 14.7 - 70 PSI • Self-flushing emitters reduce clogging
- Minimum Filtration recommended 120 mesh screen. Shop Filters. • Tubing Size: .56" ID (Inside Diameter) x .66" OD (Outside Diameter) • Wall thickness: .050"
- Flexible tubing. Bending Radius: 7" • Fittings: Use Dripperline Barbed Fittings
- To cap line, use Figure 8 Line End • Operating Pressure: 14.7 - 70 PSI • Max Pressure recommended: 50 psi • Minimum pressure required: 14.7 psi • Not for use with gravity-fed systems • Our Brown Professional Dripperline will last over 8 years, and even longer if you mulch over it • We do not recommend burying this tubing
- Driplines with Emitters spaced 12" apart have a 225' Maximum Total Run per circuit
- Driplines with Emitters spaced 18" apart have a 300' Maximum Total Run per circuit
- Driplines with Emitters spaced 24" apart have a 400' Maximum Total Run per circuit

Product Number	Product Description	
DD-DET17-1012-100	17mm x 100' Dripline 12" Spacing 1 GPH PC In-Line Emitters	\$26.50
DD-DET17-1018-100	17mm x 100' Dripline 18" Spacing 1 GPH PC In-Line Emitters	\$21.50
DD-DET17-1024-100	17mm x 100' Dripline 24" Spacing 1 GPH PC In-Line Emitters	\$19.00



DD-DET17-1012-250 17mm x 250' Dripline 12" Spacing 1/GPH PC In-Line Emitters

DD-DET17-1018-250 17mm x 250' Dripline 18" Spacing 1 GPH PC In-Line Emitters

DD-DET17-1024-250 17mm x 250' Dripline 24" Spacing 1 GPH PC In-Line Emitters

- 250 foot roll • Pressure Compensating Emitters are extruded into 17mm Brown Professional Dripperline. • Emitter Output remains at 1 GPH (Gallon Per Hour) even if pressure fluctuates between 14.7 - 70 PSI • Self-flushing emitters reduce clogging • Minimum Filtration recommended 120 mesh screen. Shop Filters. • Tubing Size: .56" ID (Inside Diameter) x .66" OD (Outside Diameter) • Wall thickness: .050" • Flexible tubing. Bending Radius: 7" • Fittings: Use Dripperline Barbed Fittings • To cap line, use Figure 8 Line End • Operating Pressure: 14.7 - 70 PSI • Max Pressure recommended: 50 psi • Minimum pressure required: 14.7 psi • Not for use with gravity-fed systems • Our Brown Professional Dripperline will last over 8 years, and even longer if you mulch over it • We do not recommend burying this tubing
- Driplines with Emitters spaced 12" apart have a 250' Maximum Total Run per circuit
- Driplines with Emitters spaced 18" apart have a 300' Maximum Total Run per circuit
- Driplines with Emitters spaced 24" apart have a 400' Maximum Total Run per circuit

Product Number	Product Description	1 - 9	10 - 39	40 or more
DD-DET17-1012-250	17mm x 250' Dripline 12" Spacing 1 GPH PC	\$65.00	\$59.99	\$49.50
DD-DET17-1018-250	17mm x 250' Dripline 18" Spacing 1 GPH PC	\$52.20	\$48.00	\$39.50
DD-DET17-1024-250	17mm x 250' Dripline 24" Spacing 1 GPH PC	\$46.50	\$43.00	\$35.00

Drip Irrigation

Brown Dripperline & Fittings and Drip Emitters - Drippers

Dripperline Barbed Fittings



DD-17C 17mm Barb Insert Coupling - Brown

DD-17L 17mm Barb Insert Elbow - Brown

DD-17MA50 17mm Barb Insert x 1/2" MPT Adapter - Brown

DD-17MA75 17mm Barb Insert x 3/4" MPT Adapter - Brown

DD-17T 17mm Barb Insert Tee - Brown

- Designed to work on all 17mm tubing including Netafim Techline, Rain Bird 17mm tubing, Hunter & Weathermatic
- Multiple barbs for strong connection
- No glue or clamps required
- High Quality Plastic with maximum UV Protection
- Maximum Pressure: 50 PSI

Product Number	Product Description	1 - 49	50 - 999	1,000 or more
DD-17C	17mm Barb Insert Coupling	\$0.21	\$0.15	\$0.11
DD-17L	17mm Barb Insert Elbow	\$0.28	\$0.20	\$0.15
DD-17MA50	17mm Barb Insert x 1/2" MPT Adapter	\$0.35	\$0.25	\$0.19
DD-17MA75	17mm Barb Insert x 3/4" MPT Adapter	\$0.36	\$0.26	\$0.20
DD-17T	17mm Barb Insert Tee	\$0.30	\$0.23	\$0.17

Drip Emitters - Drippers

Pressure Compensating Emitters



DD-PCE5 1/2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE10 1 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE20 2 GPH Pressure Compensating Drip Emitter - Button Dripper

- Our most accurate drip emitter
- Pressure compensating
- Self flushing and cleaning
- Consistent output with inlet pressure from 14.58 - 58 PSI
- Two-piece casing and double labyrinth design
- Install on 1/2" main line drip tubing or 1/4" drip micro tubing.

1 - 99 : **\$0.24** | 100 - 999: **\$0.20** | 1000 - 2999: **\$0.19** | 3000 or more: **\$0.17**

DD-PCP5 1/2 GPH Pressure Compensating Dripper-Emitter - Self Piercing Barb x 1/4" Barb Outlet - Red

DD-PCP10 1 GPH Pressure Compensating Dripper-Emitter - Self Piercing Barb x 1/4" Barb Outlet - Black

DD-PCP20 2 GPH Pressure Compensating Dripper-Emitter - Self Piercing Barb x 1/4" Barb Outlet - Green

- Self-piercing. Hole punch not needed.
- 1/4" barb accepts 1/4" micro tubing
- Pressure compensating
- Self flushing and cleaning
- Consistent output regardless of water pressure fluctuations
- Install on 1/2" main line drip tubing, 3/4" drip tubing, or 1/4" drip micro tubing.
- Recommended Filtration: 150 - 200 mesh filters

1 - 99 : **\$0.16** | 100 - 999: **\$0.12** | 1000 - 2999: **\$0.11** | 3000 or more: **\$0.10**

Drip Emitters - Drippers



DD-TC5 1/2 GPH Pressure Compensating Drip Emitter - Turbo Style Dripper - Yellow
DD-TC10 1 GPH Pressure Compensating Drip Emitter - Turbo Style Dripper - Black
DD-TC20 2 GPH Pressure Compensating Drip Emitter - Turbo Style Dripper - Blue

- Pressure Compensating - consistent output regardless of pressure changes
- Removable top for easy cleaning
- 1/4" barb
- Recommended operating pressure: 10 - 40 PSI
- Large diaphragm reduces clogging
- Install on 1/2" main line drip tubing or 1/4" drip micro tubing.

1 - 99 : **\$0.16** | 100 - 999: **\$0.12** | 1000 - 2999: **\$0.11** | 3000 or more: **\$0.10**



DD-PCBP-5 1/2 GPH Pressure Compensating Dripper-Emitter - 1/2" FPT Inlet x 1/4" Barb Outlet - Red

DD-PCBP-10 1 GPH Pressure Compensating Dripper-Emitter - 1/2" FPT Inlet x 1/4" Barb Outlet - Black

DD-PCBP-20 2 GPH Pressure Compensating Dripper-Emitter - 1/2" FPT Inlet x 1/4" Barb Outlet - Green

- Product Details
- Great for converting existing sprinkler systems
- Easily threads onto existing 1/2" riser
- Inlet: 1/2" FPT (Female Pipe Thread)
- Outlet: 1/4" (250) barb. Use with 1/4" drip micro tubing.
- Operating Pressure: 10 - 40 PSI
- Pressure Compensating: consistent 2 GPH output at 10-40 PSI
- Made with High Impact ABS plastic
- Use a Marlex elbow to make a 90 degree turn

1 - 24 : **\$0.60** | 25 - 99: **\$0.50** | 100 - 499: **\$0.45** | 500 or more: **\$0.40**



DD-6BP-6 6 GPH per outlet - Pressure Compensating Bubbler - 1/2" FPT Inlet x 6 - 1/4" Outlets - Black

DD-6BP-10 10 GPH per outlet - Pressure Compensating Bubbler - 1/2" FPT Inlet x 6 - 1/4" Outlets- Red

DD-6BP-20 20 GPH per outlet - Pressure Compensating Bubbler - 1/2" FPT Inlet x 6 - 1/4" Outlets - Green

- Adjustable from 1 to 6 - 1/4" (250) outlets, comes with one outlet open
- Easily open additional outlets with utility knife (see Expert Advice Tab)
- Operating Pressure: 10 - 40 PSI
- Screen included
- To install unit on its side simply use a 1/2" marlex elbow

1 - 24 : **\$2.00** | 25 - 99: **\$1.80** | 100 - 499: **\$1.60** | 500 or more: **\$1.40**

Non Pressure Compensating Emitters



DD-TAE10 1 GPH Non Pressure Compensating Take Apart Drip Flag Emitter - Flag Dripper

DD-TAE20 2 GPH Non Pressure Compensating Take Apart Drip Flag Emitter - Flag Dripper

DD-TAE40 4 GPH Non Pressure Compensating Take Apart Drip Flag Emitter - Flag Dripper

- Output: 1 GPH (Gallon Per Hour)
- Non-pressure-compensating emitter.
- Must operate at 15 - 20 PSI for appropriate output
- Color coded: Black = 1GPH, Blue = 2 GPH, Green = 4 GPH
- Very economical
- Popular design
- Pulls apart for easy cleaning.
- Removable flag top.
- 1/4" inlet & outlet for 1/2" mainline tubing or 1/4" distribution drip tubing
- Inlet is a beveled barb
- Outlet is at flag end
- 1 and 2 GPH work well at low pressure

1 - 99 : **\$0.13** | 100 - 999: **\$0.10** | 1000 - 2999: **\$0.09** | 3000 or more: **\$0.075**

Drip Irrigation

Drip Emitters - Drippers

Non Pressure Compensating Emitters



DD-TTE5 1/2 GPH Non Pressure Compensating Drip Emitter - Turbo-Key Style Button Dripper

DD-TTE10 1 GPH Non Pressure Compensating Drip Emitter - Turbo-Key Style Button Dripper

DD-TTE20 2 GPH Non Pressure Compensating Drip Emitter - Turbo-Key Style Button Dripper

- Non-pressure-compensating emitter. Water output will increase over 20 PSI.
- Operating Pressure: 15 - 20 PSI to maintain appropriate output
- 20 PSI Pressure Regulator required to achieve proper flow rate.
- Very economical solution
- 1/4" Barb
- Removable top & labyrinth for easy cleaning
- Install on 1/2" main line drip tubing or 1/4" drip micro tubing.

1 - 99 : **\$0.13** | 100 - 999: **\$0.10** | 1000 - 2999: **\$0.09** | 3000 or more: **\$0.075**



DD-ILE5 1/2 GPH Mini In-Line Drippers Non Pressure Compensating Drip Emitter

DD-ILE10 1 GPH Mini In-Line Drippers Non Pressure Compensating Drip Emitter

- Operating Pressure: 15 - 20 PSI to maintain output
- Non-Pressure Compensating Emitter. Water output will increase over 20 PSI.
- 1/4" Barb Inlet and Outlet, use with our 1/4" tubing
- Used to make custom-spaced 1/4" drip emitter tubing
- Excellent for unevenly spaced plants
- Maximum Flow with 1/4" tubing: 30 GPH (60 emitters) per circuit
- Maximum Run for 1/4" tubing: 50 feet per circuit
- 20 PSI Pressure Regulator required to achieve proper flow rate. Hose Threaded 20 psi Regulators & Pipe Threaded 20 psi Regulators available
- Cap end of 1/4" tubing with Goof Plug

1 - 9 : **\$0.30** | 10 - 99: **\$0.25** | 100 - 999: **\$0.22** | 1000 or more: **\$0.20**

Adjustable Emitters



DD-SR360B Adjustable Stream Bubbler (Shrubber Style) Full Circle (360) - Barb

DD-SR360T Adjustable Stream Bubbler (Shrubber Style) Full Circle (360) - 10-32 Thread

DD-SR360S Adjustable Stream Bubbler (Shrubber Style) Full Circle (360) - 6" Spike

DD-SR180B Adjustable Stream Bubbler (Shrubber Style) 1/2 Circle (180) - Barb

DD-SR180T Adjustable Stream Bubbler (Shrubber Style) 1/2 Circle (180) - 10-32 Thread

- Full Circle pattern
- Replacement for Shrubber style emitter
- Twist cap to adjust flow rate and radius
- Operating Pressure: 10 to 30 PSI
- Remove top to clean
- Minimal filtration required
- Flow Rate: 0 to 10 GPH

Product Number	Product Description	1 - 24	25 - 99	100-999	1000 or more
DD-SR180B	Adjustable Stream Bubbler 1/2 Circle-Barb	\$0.30	\$0.25	\$0.19	\$0.16
DD-SR180T	Adjustable Stream Bubbler 1/2 Circle-Thread	\$0.30	\$0.25	\$0.19	\$0.16
DD-SR360B	Adjustable Stream Bubbler Full Circle-Barb	\$0.30	\$0.25	\$0.19	\$0.16
DD-SR360T	Adjustable Stream Bubbler Full Circle-Thread	\$0.30	\$0.25	\$0.19	\$0.16

Product Number	Product Description	1 - 24	25 - 99	100-399	400 or more
DD-SR180S	Adjustable Stream Bubbler 1/2 Circle-Spike	\$0.40	\$0.35	\$0.26	\$0.23
DD-SR360S	Adjustable Stream Bubbler Full Circle-Spike	\$0.40	\$0.35	\$0.26	\$0.23

Drip Emitters, and Micro Jet Sprayers & Micro Stake Assemblies Tutorial



DD-SM360B Adjustable Spectrum Spray Full Circle (360) - Barb
DD-SM360S Adjustable Spectrum Spray Full Circle (360) - 6" Spike
DD-SM360T Adjustable Spectrum Spray Full Circle (360) - 10-32 Thread

- Adjustable Umbrella Pattern Sprayer
- Operating pressure: 15 - 30 PSI
- Flow rate: 0 to 24 GPH
- Diameter: up to 5.5 feet

Product Number	Product Description	1 - 24	25 - 99	100-399	400 or more
DD-SM360S	Adjustable Spectrum Spray Full Circle-Spike	\$0.50	\$0.45	\$0.33	\$0.29

Product Number	Product Description	1 - 24	25 - 99	100-999	1000 or more
DD-SM360B	Adjustable Spectrum Spray Full Circle-Barb	\$0.40	\$0.35	\$0.25	\$0.20
DD-SM360T	Adjustable Spectrum Spray Full Circle-Thread	\$0.40	\$0.35	\$0.25	\$0.20

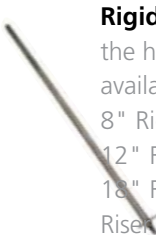
Micro Jet Sprayers & Micro Stake Assemblies Tutorial



Micro Jet Sprayers & Micro Stake Assemblies are another choice for watering small flower beds and ground cover. All micro spray products feature 10-32 threads which allow them to be easily screwed into micro stake assemblies and rigid risers (shown below). If you have a lot of micro spray products on one drip line, the total water output can add up fast. Be sure to plan for the maximum output of the products you are using so that you don't run short on flow if you need to open them up all the way. See the chart at the end of this section for micro jet flow rates.



The Micro Stake Assemblies are available in 12" and 20 inch lengths.
12" Stake Assembly
20" Stake Assembly
18" micro tubing attached
Barb connector included



Rigid Riser Extensions can be used to increase the height of Micro Stake Assemblies. They are available in lengths of 8", 12", and 18".
8" Rigid Riser Extension
12" Rigid Riser Extension
18" Rigid Riser Extension
Riser threads into the top of stake

Micro Sprayers come in many configurations. The flow rates for micro sprays can add up fast. See the chart at the end of this tutorial for micro jet flow rates.

Variable Adjust Micro Spray 1/4 Circle



Variable Adjust Micro Spray 1/2 Circle



Variable Adjust Micro Spray Full Circle



Adjustable Rotary Spray Full Circle



Adjustable Stream Bubbler Full Circle



Adjustable Stream Bubbler Half Circle



Adjustable Spectrum Spray Full Circle



Drip Irrigation

Micro Jet Sprayers & Micro Stake Assemblies Tutorial

1-Piece Micro Sprays are available in Full (360°), Half (180°), & Quarter (90°) Circle patterns. We offer two color-coded outputs (red & blue). The blue orifice is smaller (0.040") and distributes less water than the red orifice (0.060").



Full Circle 1-Piece Spray - Blue 0.40" Orifice
Full Circle 1 Piece Spray - Red 0.60" Orifice
Half Circle 1 Piece Spray - Blue 0.40" Orifice
Half Circle 1 Piece Spray - Red 0.60" Orifice
Quarter Circle 1 Piece Spray - Blue 0.40" Orifice
Quarter Circle 1 Piece Spray - Red 0.60" Orifice



2 Piece Micro Sprays made up of bases and caps. Base output varies and caps determine the spray pattern: Full, Half & Quarter (Links to all models below photo):

Micro Spray Base - Black 0.30" Orifice
Micro Spray Base - Blue 0.40" Orifice
Micro Spray Base - Green 0.50" Orifice
Micro Spray Base - Red 0.60" Orifice
Full Circle Micro Spray Cap
1/2 Circle Micro Spray Cap
1/4 Circle Micro Spray Cap



MICRO SPRAY CAP & BASE PERFORMANCE

BLACK BASE, .030" OPENING (DD-MSB30)				
Arc	Pressure psi	Radius ft	Diameter ft	Flow gpm
DD-MCF 360 Degrees	10	-	10.2	4.7
	15	-	13.4	5.9
	20	-	14.7	6.9
	25	-	15.6	7.8
	30	-	16.4	8.6
DD-MCH 180 Degrees	10	4.4	-	4.7
	15	5.0	-	5.9
	20	5.4	-	6.9
	25	5.6	-	7.8
	30	6.7	-	8.6
DD-MCQ 90 Degrees	10	4.4	-	4.7
	15	5.7	-	5.9
	20	6.6	-	6.9
	25	7.2	-	7.8
	30	7.7	-	8.6

BLUE BASE, .040" OPENING (DD-MSB40)				
Arc	Pressure psi	Radius ft	Diameter ft	Flow gpm
DD-MCF 360 Degrees	10	-	13.4	7.0
	15	-	15.8	8.9
	20	-	18.2	10.5
	25	-	19.6	12.0
	30	-	20.4	13.3
DD-MCH 180 Degrees	10	5.2	-	7.0
	15	6.0	-	8.9
	20	6.4	-	10.5
	25	6.6	-	12.0
	30	7.0	-	13.3
DD-MCQ 90 Degrees	10	4.7	-	7.0
	15	6.1	-	8.9
	20	7.6	-	10.5
	25	8.2	-	12.0
	30	8.6	-	13.3

Micro Spray Jets & Sprayers

MICRO SPRAY CAP & BASE PERFORMANCE CONT.

GREEN BASE, .050" OPENING (DD-MSB50)				
Arc	Pressure psi	Radius ft	Diameter ft	Flow gpm
DD-MCF 360 Degrees	10	-	17.4	11.5
	15	-	21.1	14.5
	20	-	22.5	17.2
	25	-	23.3	19.5
	30	-	23.8	21.5
DD-MCH 180 Degrees	10	5.7	-	11.5
	15	6.6	-	14.5
	20	7.2	-	17.2
	25	7.8	-	19.5
	30	8.4	-	21.5
DD-MCQ 90 Degrees	10	5.8	-	11.5
	15	7.4	-	14.5
	20	8.4	-	17.2
	25	9.1	-	19.5
	30	9.6	-	21.5

RED BASE, .060" OPENING (DD-MSB60)				
Arc	Pressure psi	Radius ft	Diameter ft	Flow gpm
DD-MCF 360 Degrees	10	-	18.4	16.3
	15	-	22.6	20.0
	20	-	25.7	23.5
	25	-	26.3	26.0
	30	-	26.7	29.0
DD-MCH 180 Degrees	10	6.7	-	7.0
	15	8.1	-	8.9
	20	9.5	-	10.5
	25	10.1	-	12.0
	30	10.6	-	13.3
DD-MCQ 90 Degrees	10	6.4	-	7.0
	15	8.1	-	8.9
	20	9.4	-	10.5
	25	9.8	-	12.0
	30	10.8	-	13.3

Adjustable Sprayers



DD-MJVF Micro Spray Variable Adjust - Full Circle (360) x 10-32 Thread

DD-MJH Micro Spray Variable Adjust - 1/2 Circle (180) x 10-32 Thread

DD-MJVQ Micro Spray Variable Adjust - 1/4 Circle (90) x 10-32 Thread

- DD-MJVF Diameter: up to 26 feet (at 30 PSI). DD-MJH Radius: Up to 10 feet (at 30 PSI). DD-MJVQ Radius: up to 10 feet (at 30 PSI)
- Easily adjustable micro spray flow
- Threaded base (10-32). Install on our 12" or 20" Micro Stake Assemblys or 8", 12" or 18" Rigid Riser Extensions

1 - 9 : **\$0.55** | 10 - 24: **\$0.50** | 25 - 99: **\$0.45** | 100 or more: **\$0.32**



DD-VRS Adjustable Rotary Micro Spray Full (360) Circle w/ 10-32 Thread

- Adjustable sprayer
- Emits large droplets of water
- Flow Rate: 1 - 25 GPH (Gallons Per Hour)
- Diameter: 4 feet - 15 feet
- Threaded base (10-32).
- Installs on our 12" and 20" Micro Stake Assemblys, and on our 8", 12" and 18" Rigid Riser Extensions

1 - 9 : **\$0.65** | 10 - 24: **\$0.55** | 25 - 99: **\$0.45** | 100 or more: **\$0.35**

Drip Irrigation

Micro Spray Jets & Sprayers

Stakes & Risers



DD-MJRE8 Micro Spray 8" Rigid Riser Extension w/ Threaded Adapter

DD-MJRE12 Micro Spray 12" Rigid Riser Extension w/ Threaded Adapter

DD-MJRE18 Micro Spray 18" Rigid Riser Extension w/ Threaded Adapter

- Easily extend the height of micro stake assembly as landscape matures
- Threaded base (10-32) screws into our 12" and 20" Micro Stake Assemblies:
- Can be installed in drip tubing main line (not recommended and may require additional staking)
- All 10-32 threaded fittings can be used with this item (Micro Sprayers, Adjustable Emitters & Spectrum Sprayers.)

Product Number	Product Description	1 - 9	10 - 24	25-99	100 or more
DD-MJRE8	Micro Spray 8" Rigid Riser Extension	\$0.28	\$0.25	\$0.23	\$0.16
DD-MJRE12	Micro Spray 12" Rigid Riser Extension	\$0.30	\$0.28	\$0.26	\$0.19
DD-MJRE18	Micro Spray 18" Rigid Riser Extension	\$0.33	\$0.31	\$0.29	\$0.23



DD-MJSA12 Micro Spray 12" Stake w/ 18" Vinyl Tubing & Adapter

DD-MJSA20 Micro Spray 20" Stake w/ 18" Vinyl Tubing & Adapter

- Accepts all 10-32 threaded items (Micro Sprayers, Adjustable Emitters, Spectrum Style Sprayers & Rigid Riser Extenders)
- Comes with 18" vinyl tubing & adapter. Ready to plug right into your drip irrigation main line tubing.

Product Number	Product Description	1 - 24	25 - 99	100 or more
DD-MJSA12	Micro Spray 12" Stake w/ 18" Vinyl Tubing & Adapter	\$0.70	\$0.50	\$0.45
DD-MJSA20	Micro Spray 20" Stake w/ 18" Vinyl Tubing & Adapter	\$0.99	\$0.75	\$0.63



DD-SAT10 Micro Spray Adapter 1/2" FPT x 10-32 Female Thread

- Inlet: 1/2" Female Pipe Thread
- Outlet: 10-32 NFT (Nominal Female Thread)
- Installs on any 1/2" male pipe threaded riser
- Threads into the top of the Full Circle, 1/2 Circle, 1/4 Circle Variable Adjustable Micro Sprayers, Full Circle and 1/2 Circle Adjustable Stream Bubblers, Full Circle Spectrum Sprayer, Full Circle Adjustable Rotary Sprayer, and Micro Spray Threaded Bases and Caps

1 - 24 : **\$0.50** | 25 - 99: **\$0.45** | 100 or more: **\$0.30**



DD-FCVT Flow Control Valve - 10-32 Thread x 10-32 Thread

- Male 10-32 thread x Male 10-32 thread
- Works on all of our threaded Micro Irrigation Spray products
- Easily installed on our pre-assembled 12" and 20" Micro Stake Assemblies
- Also can be installed between Stake Assemblies and Rigid 8", 12", and 18" Riser Extensions:

1 - 24: **\$0.50** | 25 - 99: **\$0.40** | 100 - 999: **\$0.30** | 1,000 or more: **\$0.25**

Micro Spray Bases and Caps



DD-MCF Micro Spray Cap Full Circle (360) 18 Hole

DD-MCH Micro Spray Cap 1/2 Circle (180°)

DD-MCQ Micro Spray Cap 1/4 Circle (90°)

• Full Circle (360) Micro Spray Cap • Combine with color-coded bases to vary flow rate and distance. • Diameter: 10 - 26 feet (depending on base used) • Designed to fit on Black 0.030" Orifice, Blue 0.040" Orifice, Green 0.050" Orifice, and Red 0.060" Orifice Micro Irrigation Spray Bases:

1 - 99 : **\$0.15** | 100 - 999: **\$0.10** | 1000 or more: **\$0.085**



DD-MSB30 Micro Spray Base - Black 0.030" Orifice

DD-MSB40 Micro Spray Base - Blue .040" Orifice

DD-MSB50 Micro Spray Base - Green 0.050" Orifice

DD-MSB60 Micro Spray Base - Red 0.060" Orifice

• Inlet: 10-32 threaded base • Outlet orifices: DD-MSB30 - 0.030", DD-MSB40 - 0.040", DD-MSB50 - 0.050" and DD-MSB60 - 0.060" • Outputs at 10- 30 PSI: DD-MSB30 - 4-8 GPH, DD-MSB40 - 7-13 GPH, DD-MSB40 - 7-13 GPH and DD-MSB60 - 16-29 GPH • Install Full Circle (360), Half Circle (180) and Quarter Circle (90) Micro Spray Caps to achieve desired spray pattern: • Threaded base (10-32). Install on our 12", and 20" Micro Stake Assemblies and 8", 12", 18" Rigid Riser Extensions

1 - 99 : **\$0.15** | 100 - 999: **\$0.10** | 1000 or more: **\$0.085**



DD-MSF60 Micro Spray 1-Piece Full Circle (360) Red 0.060" Orifice

DD-MSF40 Micro Spray 1-Piece Full Circle (360) Blue 0.040" Orifice

DD-MSH60 Micro Spray 1-Piece 1/2 Circle (180) Red 0.060" Orifice

DD-MSH40 Micro Spray 1-Piece 1/2 Circle (180) Blue 0.040" Orifice

DD-MSQ60 Micro Spray 1-Piece 1/4 Circle (90) Red 0.060" Orifice

DD-MSQ40 Micro Spray 1-Piece 1/4 Circle (90) Blue 0.040" Orifice

• At 10-20 PSI, 9-11 feet diameter for DD-MSF60 and 7-11 feet for DD-MSF40. At 10-20 PSI, 5-6 feet radius for DD-MSH60, 2-4 feet for DD-MSH40, 6-7 feet for DD-MSQ60, and 4-5 feet for DD-MSQ40 • Red output: 21-31 GPH and Orifice: .046". Blue output: 7-11 GPH and Orifice: .040" • One-piece micro spray • Easy Grip ridge for easy installation • Orifice: .060" • No Tools required • Threaded base (10-32). Install on our 12", and 20" Micro Stake Assemblies and 8", 12", 18" Rigid Riser Extensions

1 - 99 : **\$0.15** | 100 - 999: **\$0.10** | 1000 or more: **\$0.085**

Fogger Mister



DD-FMB Drip Fogger Mister Barb 3 GPH (Gallons per Hour) 1/4" barb (250)

• Flow Rate: 3 Gallons per Hour (GPH) • Coverage: 1 - 2 feet • Recommended Operating Pressure: 25 - 30 PSI (Use a 30 psi regulator or 45 psi regulator) • Required Filtration: 150 - 200 mesh screen • Easy to take apart for cleaning

1 - 24 : **\$0.40** | 25 - 99: **\$0.35** | 100 - 499: **\$0.30** | 500 or more: **\$0.25**

Drip Irrigation

Drip Tape & Fittings

Drip Tape



8 Mil Drip Tape

DT-0808LF Drip Tape 5/8" (16mm) 8 Mil 8" Emitter Spacing Low-Flow .24 GPM/100' - 7,546' Roll

DT-0808HF Drip Tape 5/8" (16mm) 8 Mil 8" Emitter Spacing Hi-Flow .67 GPM/100' - 7,546' Roll

DT-0812LF Drip Tape 5/8" (16mm) 8 Mil 12" Emitter Spacing Hi-Flow .22 GPM/100' - 7,546' Roll

DT-0812HF Drip Tape 5/8" (16mm) 8 Mil 12" Emitter Spacing Low-Flow .45 GPM/100' - 7,546' Roll

• 7546 foot roll • Wall Thickness: 8 Mil • Minimum Filtration recommended: 150 mesh screen. Shop Filters. • Use threaded Drip Tape Loc Fittings. • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Laser-cut outlet ensures a high resistance to root intrusion • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 3 : **\$218.40** | 4 or more: **\$198.00**



15 Mil Drip Tape

DT-1508LF Drip Tape 5/8" (16mm) 15 Mil 8" Emitter Spacing Low-Flow .34 GPM/100' - 4,593' Roll

DT-1508HF Drip Tape 5/8" (16mm) 15 Mil 8" Spacing Hi-Flow .67 GPM/100' - 4,593' Roll

DT-1512LF Drip Tape 5/8" (16mm) 15 Mil 12" Spacing Lo-Flow .22 GPM/100' - 4,593' Roll

DT-1512HF Drip Tape 5/8" (16mm) 15 Mil 12" Spacing Hi-Flow .45 GPM/100' - 4,593' Roll

DT-1524HF Drip Tape 5/8" (16mm) 15 Mil 24" Spacing Hi-Flow .28 GPM/100' - 4,593' Roll

• 4593 foot roll • Wall Thickness: 15 Mil • Flow Rate: Low-Flow • Minimum Filtration recommended: 150 mesh screen. Shop Filters. • Use threaded Drip Tape Loc Fittings. • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Laser-cut outlet ensures a high resistance to root intrusion • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 3 : **\$212.00** | 4 or more: **\$190.00**

Drip Tape Loc & Fittings



DT-C58LF Drip Tape 5/8" Loc x Lay Flat Tube

- Drip Tape Loc Connector for Layflat tubing is used to connect 5/8" Drip Tape (16 mm) to Layflat tubing. • Requires Layflat cutter and insertion tool. • Reusable – Just unscrew
- Quick & Easy Installation & Removal • Fits both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.75** | 50- 99: **\$0.65** | 100 or more: **\$0.55**



DT-FCV58LF Drip Tape 5/8" Loc x Lay Flat Tube with Valve

- Drip Tape Loc Flow Control Valve Connector for Layflat tubing is used to connect 5/8" Drip Tape (16 mm) to Layflat tubing. • Requires Layflat cutter and insertion tool.
- Flow Control Valve regulates or shuts off water flow through drip tape. • Reusable – Just unscrew • Quick & Easy Installation & Removal • Fits both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.36** | 50- 299: **\$1.10** | 300 or more: **\$0.80**



DT-TO250 Drip Tape 5/8" Loc x 1/4" Barb

- Drip Tape Loc Connector with 1/4" barb • Connects 5/8" Drip Tape (16 mm) to 1/2" or 3/4" solid drip poly tubing. • Use hole punch to make hole for 1/4" barb • Reusable Fitting – Just unscrew • Quick & Easy Installation & Removal • Fits both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.35** | 50- 499: **\$0.27** | 500- 1499: **\$0.22** | 1500 or more: **\$0.20**



DT-C58 Drip Tape 5/8" Loc Coupler

- Drip Tape Loc Coupler is used to connect lengths of 5/8" Drip Tape (16 mm) • Reusable – Just unscrew • Quick & Easy Installation & Removal • Fits both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.50** | 50- 99: **\$0.35** | 100- 799: **\$0.30** | 800 or more: **\$0.25**

Drip Irrigation

Drip Tape & Fittings

Drip Tape Loc & Fittings Cont.



DT-TSE Drip Tape 5/8" Sleeve End

- Drip Tape Sleeve End caps off 5/8" Drip Tape (16 mm).
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.17** | 50- 2399: **\$0.12** | 2400 or more: **\$0.08**



DT-FCV250B Drip Tape 5/8" Loc x .250 Barb With Valve

- Drip Tape Loc Flow Control Valve with 1/4" barb regulates or shuts off water flow through drip tape.
- Connects 5/8" Drip Tape (16 mm) to 1/2" or 3/4" solid drip poly tubing.
- Use hole punch to make hole for 1/4" barb
- Reusable Fitting – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.24** | 50- 499: **\$0.98** | 500 or more: **\$0.85**



DT-FCV58 Drip Tape 5/8" Loc Coupler with Valve

- Drip Tape Loc Flow Control Valve with 1/2" male pipe threads regulates or shuts off water flow through drip tape.
- Connects lengths of 5/8" drip tape (16 mm).
- Reusable Fitting – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.24** | 50- 399: **\$0.98** | 400 or more: **\$0.85**



DT-FCV50MP Drip Tape 5/8" Loc x 1/2" Male Pipe Thread with Valve

- Drip Tape Loc Flow Control Valve with 1/2" male pipe threads regulates or shuts off water flow through drip tape.
- Connects 5/8" drip tape (16 mm) to fittings with 1/2" female pipe threads.
- Reusable Fitting – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.
- Use Teflon tape on pipe threads.

1 - 49 : **\$1.24** | 50- 399: **\$0.98** | 400 or more: **\$0.80**



DT-CADL Drip Tape 5/8" Loc x Easy Loc

- Drip Tape Loc x Direct-Loc Connector connects 5/8" Drip Tape (16 mm) to .700 OD drip poly tubing and 710 poly tubing.
- Drip Tape End fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- Direct-Loc End fits 1/2" .700 OD drip poly tubing and 710 poly tubing.
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.68** | 50 or more: **\$0.60**



DT-FHS58 Drip Tape 5/8" Loc x Female Hose Swivel

- Drip Tape Loc Swivel Adapter attaches 5/8" drip tape to hose bibb or fittings with 3/4" male hose threads.
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- Swivel end screws onto 3/4" male hose threads
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.88** | 50 or more: **\$0.77**



DT-SOC Drip Tape 5/8" Loc x PVC Adapter

- Drip Tape Loc Connector x PVC Adapter is used to connect lengths of 5/8" Drip Tape (16 mm) to PVC pipe and fittings
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.52** | 50 or more: **\$0.39**



DT-50MP58 Drip Tape 5/8" Loc x 1/2" Male Pipe Thread

- Drip Tape Loc Connector is used to connect 5/8" Drip Tape (16 mm) to fittings with 1/2" female pipe threads.
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.43** | 50- 999: **\$0.33** | 1000 or more: **\$0.25**



DT-EC58 Drip Tape 5/8" Loc x Male End with Cap

- Drip Tape Loc x End Cap plugs 5/8" Drip Tape (16 mm)
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.68** | 50 or more: **\$0.60**

Drip Irrigation

Drip Tape & Fittings

Drip Tape Loc & Fittings Cont.



DT-MH58 Drip Tape 5/8" Loc x Male Hose Thread

- Drip Tape Loc Connector is used to connect 5/8" Drip Tape (16 mm) to fittings with 3/4" female hose threads.
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.
- Use hose washers with hose thread fittings

1 - 49 : **\$0.40** | 50 or more: **\$0.35**



DT-L58 Drip Tape 5/8" Loc Elbow

1 - 49 **\$1.06**

50 + **\$0.92**

- Drip Tape Loc Elbows make 90 degree turns in 5/8" Drip Tape (16 mm).
- Reusable – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.06** | 50 or more: **\$0.92**



DT-TO400 Drip Tape 5/8" Loc x .400 Barb - High Flow

- Drip Tape Loc Connector with .400 barb for poly tubing
- Connects 5/8" drip tape (16 mm) to 3/4" drip poly tubing (or larger).
- Use large hole punch to make hole in poly tubing for .400 barb
- Reusable Fitting – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$0.35** | 50- 1199: **\$0.29** | 1200 or more: **\$0.20**



DT-FCVL400 Drip Tape 5/8" Loc x Poly with Valve

- Drip Tape Loc Flow Control Valve with .400 barb for poly regulates or shuts off water flow through drip tape.
- Connects 5/8" drip tape (16 mm) to 3/4" drip poly tubing (or larger).
- Use large hole punch to make hole in poly tubing for .400 barb
- Reusable Fitting – Just unscrew
- Quick & Easy Installation & Removal
- Fits both 8 Mil Drip Tape & 15 Mil Drip Tape.
- High Quality Plastic with Maximum UV Protection
- Recommended Operating Pressure: 10 PSI
- Maximum Operating Pressure: 15 PSI
- Minimum Operating Pressure: 4.4 PSI
- Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.36** | 50 or more: **\$1.12**



DT-FCV400B Drip Tape 5/8" Loc x .400 Barb with Valve

- Drip Tape Loc Flow Control Valve with .400 barb regulates or shuts off water flow through drip tape. • Connects 5/8" drip tape (16 mm) to PVC pipe (1" or larger). • Reusable Fitting – Just unscrew • Quick & Easy Installation & Removal • Fits both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems for watering row crops & vegetable gardens.

1 - 49 : **\$1.24** | 50- 499: **\$0.91** | 450 or more: **\$0.85**



DT-GP400 Goof Plug .400" Barb for Hi-Flow Drip Tape Fittings

- Drip Tape Goof Plug • Easy way to plug holes in drip tape • Works with both both 8 Mil Drip Tape & 15 Mil Drip Tape. • High Quality Plastic with Maximum UV Protection • Recommended Operating Pressure: 10 PSI • Maximum Operating Pressure: 15 PSI • Minimum Operating Pressure: 4.4 PSI • For watering row crops & vegetable gardens. • Works with T-Tape, Aqua Traxx, and Chapin Drip Tape Systems.

1 - 99 : **\$0.20** | 100- 999: **\$0.18** | 1000 or more: **\$0.10**



DD-HPR10 Pressure Regulator 10 PSI - Hose Threaded 3/4" FHT x 3/4" MHT for Drip Tape

- Drip Tape Pressure Regulator • Inlet: 3/4" FHT (Female Hose Thread) • Outlet: 3/4" MHT (Male Hose Thread) • 10 PSI Pre-set Pressure Regulator • Flow Rate Range: .1 - 8 GPM (Gallons Per Minute) • Maximum Operating Inlet Pressure: 100 PSI • Heavy Duty ABS Plastic with Maximum UV & Oxidizer Protection • Recommended to be installed after a filter • Regulator is not designed to be under static (constant) pressure

1 - 5 : **\$3.75** | 6- 39: **\$3.25** | 40 or more: **\$2.75**

Drip Irrigation

Drip Irrigation Kits

Container Gardening Kits - Patios & Decks



Starter Kit



Medium Kit



Large Kit

DK-CGS Starter Kit: for up to 10 Containers - \$16.50

DK-CGM Medium Kit: for up to 30 Containers - \$27.50

DK-CGL Large Kit: for up to 60 Containers - \$45.90

Description

This kit contains everything you will need to go from hose bibb (faucet) to your potted plants. It is designed to water groups of flower pots, planter boxes, and hanging baskets. The number of containers is an estimate based on each container receiving one drip emitter. Larger containers should get two drip emitters.

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: Small Kit: 5 gph, Medium Kit: 15 gpm, Large Kit: 60gph.



Extra Large Kit



Jumbo Kit

DK-CGXL Extra Large Kit: for up to 50 Containers - \$120.00

DK-CGJO Jumbo Kit: for up to 100 Containers - \$225.00















Description

This kit contains everything you will need to go from hose bibb (faucet) to your potted plants. It is designed to water groups of flower pots, planter boxes, and hanging baskets with 1/4" drip emitter tubing and fogger misters. The number of containers is an estimate based on each container receiving one loop of emitter tubing. Larger containers should get two loops.

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: Extra Large Kit: 50 gph, Jumbo Kit: 100 gph

Parts List for Starter, Medium and Large Container Gardening Kits














	ITEM	Quantity			PART #
		S	M	L	
	Y Ball Valve This 2-outlet ball valve allows for connection of garden hose and drip system from the same hose bibb, faucet, spigot, or hydrant.	-	-	1	DD-YBV75
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	1	DD-HVB
	Hose Inline Filter Filter is installed between the hose vacuum breaker and the drip regulator and protects drip emitters from impurities that may clog them. Poly screen is easily removed for cleaning.	1	1	1	DD-HIF75
	Pressure Regulator 20 PSI Hose thread regulator. Reduce household water pressure to a set pressure for use with a drip system	1	1	1	DD-HPR20
	Hose Swivel with 1/4\" Connects 1/4\"	1	1	2	DD-CHS250
	1/4\" 1/4\"	1	1	-	DD-DH250-50
	1/4\" 1/4\"	-	-	1	DD-DH250-100
	1/4\" Secure 1/4\"	15	40	75	DD-MC250B
	1/4\" Used to connect 1/4\"	10	30	60	DD-T250
	1/4\" Control or shut-off water supply in 1/4\"	10	30	60	DD-FCV250
	Deluxe Pressure Compensating Emitter - 1/2 gph Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	10	30	60	DD-PCE5
	Micro Tubing Holder Stake - 6\" Keep drip emitters and micro tubing in place. Emitter and micro tubing is elevated, reducing dirt and insect intrusion.	10	30	60	DD-S2
	Goof Plug Plug holes in 1/2\"	10	10	10	DD-GP
	1/4\" Used to connect 1/4\"	10	10	10	DD-C250

Drip Irrigation













Drip Irrigation Kits

Container Gardening Kits - Patios & Decks Cont.

Parts List for Extra Large and Jumbo Container Gardening Kits

	ITEM	Quantity		PART #
		XL	JO	
	Y Ball Valve This 2-outlet ball valve allows for connection of garden hose and drip system from the same hose bibb, faucet, spigot, or hydrant.	1	1	DD-YBV75
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	DD-HVB
	Y Filter with hose threads Filter is installed between the hose vacuum breaker and the drip regulator and protects drip emitters from impurities that may clog them.	1	1	DD-YS75HFM
	Pressure Regulator 20 PSI Hose thread regulator. Reduce household water pressure to a set pressure for use with a drip system	1	1	DD-HPR20
	Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator.	1	1	DD-CHS700
	1/4" Drip micro tubing - 100 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to containers in small flower pot projects on decks and patios.	2	4	DD-DH250-100
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. They supply water to 1/4" micro tubing (lateral lines).	2	1	DD-DH700-100
	1/2" Drip tubing (700 series) - 500 foot roll 1/2" tubing for main lines. They supply water to 1/4" micro tubing (lateral lines).	-	1	DD-DH700-500
	1/2" Flow Control Valve Adjust or stop the flow of water through 1/2" drip mainline tubing.	1	2	DD-FCV700
	1/2" Threaded End Cap Caps off the ends of 1/2" drip tubing. Threaded Cap allows for easy flushing and draining in winter.	4	6	DD-EC700
	1/4" Drip Tubing Mounting Clip with Nail Secure 1/4" drip micro tubing to wood surfaces. Perfect for installation of drip irrigation for hanging baskets and flower pots on wood decks and trellises.	50	100	DD-MC250B
	1/2" Drip Tubing Mounting Clip with Nail Secure 1/2" drip micro tubing to wood surfaces. Perfect for installation of drip irrigation for hanging baskets and flower pots on wood decks and trellises.	25	50	DD-MC700B
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Creates clean, precise holes in 1/2" drip poly tubing.	1	-	DD-HP250

Parts List for Extra Large and Jumbo Container Gardening Kits Cont.

	ITEM	Quantity		PART #
		XL	JO	
	Super Hole Punch The Super Punch is constructed of heavy duty plastic & creates clean, precise holes in 1/2" drip poly tubing.	-	1	DD-SP250
	1/4" Elbow - barb x barb Used to connect 1/4" drip micro tubing to 1/2" drip tubing or make 90 degree turns in 1/4" tubing.	50	100	DD-L250
	1/4" Tee - barb x barb x barb Used to connect 1/4" drip micro tubing or inserted into 1/2" drip tubing.	20	40	DD-T250
	1/4" Flow Control Valve Control or shut-off water supply in 1/4" micro tubing. Flow Control Valve easily inserts into 1/4" drip tubing.	50	100	DD-FCV250
	1/4" Drip Emitter Tubing - 100 foot roll Has 1/2 gallon-per-hour in-line emitters molded into the tubing at 6" spacings. It is looped inside the containers.	1	2	DD-DET250-6-100
	Wire Stakes - 8" Keeps drip tubing in place.	100	200	DD-S8
	Fogger Mister Use in pots and hanging baskets for a fine mist. Also creates a fine cooling mist around outdoor trellises and shade structures.	10	20	DD-FMB
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	70	140	DD-GP
	1/4" Connector - barb x barb Used to connect 1/4" solid drip tubing or 1/4" drip emitter tubing to drip mainline tubing. Also connects to lengths of 1/4" tubing.	50	100	DD-C250
	1/2" Compression Coupling (700 series) Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle.	5	10	DD-C700
	1/2" Compression Elbow (700 series) Used to make 90 degree turns in 1/2" drip tubing.	5	10	DD-L700
	1/2" Compression Tee (700 series) Use compression tees to branch off and create lateral lines off of mainline drip tubing.	5	10	DD-T700

Drip Irrigation

Drip Irrigation Kits

Vegetable Garden Kits



Starter Kit



Medium Kit



Large Kit



Large Kit

DK-VGS Starter Kit: for up to 20 Plants - \$28.41

DK-VGM Medium Kit: for up to 150 Plants - \$49.50

DK-VGL Large Kit: for up to 200 Plants - \$99.50

DK-VGXL Extra Large Kit: for up to 350 Plants - \$139.50







Description

This kit contains everything you will need to go from hose bibb (faucet) and into to your vegetable garden. The starter kit is designed for a small garden and uses individual drip emitters. The larger kits use a combination of individual drip emitters and drip emitter tubing. The number of plants that can be watered with each kit is an estimate based on the total number of drip emitters provided in the kit, both individually and within the emitter tubing. Larger plants should get two drip emitters.


















If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: Starter Kit: 10 gph, Medium Kit: 75 gph, Large Kit: 150 gph, Extra Large Kit: 250 gph

Parts List for Vegetable Garden Kits

	ITEM	Quantity				PART #
		S	M	L	XL	
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	1	1	DD-HVB
	Hose Inline Filter Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	1	1	DD-HIF75
	Pressure Regulator - 20 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	1	1	DD-HPR20
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	1	1	DL-FHS600
	Direct-Loc Elbow Used to make 90 degree turns in 1/2" drip tubing. Convenient removable fitting.	1	2	3	4	DL-L600
	Direct-Loc Tee Used to branch off and create lateral lines off of 1/2" mainline drip tubing. Convenient removable fitting.	1	2	3	4	DL-T600

Parts List for Vegetable Garden Kits Cont.

	ITEM	Quantity				PART #
		S	M	L	XL	
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	1	2	3	4	DL-C600
	Direct-Loc Threaded End Cap Caps off the ends of 1/2" drip tubing. Threaded Cap allows for easy flushing and draining in winter. Convenient removable fitting.	1	2	3	5	DL-EC600
	1/2" Drip tubing (700 series) - 50 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	-	-	-	DD-DH700-50
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	-	1	2	3	DD-DH700-100
	1/2" Flow Control Valve Adjust or stop the flow of water through 1/2" drip mainline tubing. Handy when isolating irrigated sections.	-	-	1	2	DD-FCV700
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Creates clean, precise holes in 1/2" drip poly tubing.	1	1	1	1	DD-HP250
	1/4" Connector - barb x barb Used to connect 1/4" solid drip tubing or 1/4" drip emitter tubing to drip mainline tubing. Also connects to lengths of 1/4" tubing.	10	10	50	100	DD-C250
	1/4" Tee - barb x barb x barb Used to connect 1/4" drip micro tubing or inserted into 1/2" drip tubing.	10	10	20	30	DD-T250
	1/4" Drip micro tubing - 50 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	1	1	-	-	DD-DH250-50
	1/4" Drip micro tubing - 100 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	-	-	1	2	DD-DH250-100
	1/4" Drip Emitter Tubing - 100 foot roll 1/2 gallon-per-hour in-line emitters molded into the tubing at 12" spacing. Max run: 33 feet.	-	1	1	1	DD-DET250-12-100
	1/2" Drip Emitter Tubing - 100 foot roll 1 gallon-per-hour in-line emitters molded into the tubing at 12" spacing. Max run: 450 feet.	-	-	1	1	DD-DET700-1012-100
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	10	20	40	60	DD-GP
	Deluxe Pressure Compensating Emitter - 1/2 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	20	50	100	100	DD-PCE5
	Deluxe Pressure Compensating Emitter - 1 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	-	-	-	50	DD-PCE10
	Micro Tubing Holder Stake - 6" Keep drip emitters and micro tubing in place. Emitter and micro tubing is elevated, reducing dirt and insect intrusion.	10	10	30	50	DD-S2
	Wire Stakes - 8" Keeps drip tubing in place.	10	10	20	30	DD-S8

Drip Irrigation

Drip Irrigation Kits

Individual Plant Kits



Starter Kit



Medium Kit



Large Kit



Extra Large Kit

DK-IPS Starter Kit: for up to 50 Plants - \$39.50

DK-IPM Medium Kit: for up to 100 Plants - \$64.50

DK- IPL Large Kit: for up to 150 Plants - \$91.50

DK-IPXL Extra Large Kit: for up to 200 Plants - \$159.50






Description

This kit contains everything you will need to go from hose bibb (faucet) to your plants. Most of the kits in this group feature our popular Take Apart Flag Emitter and are designed to attach directly to the 1/2" drip tubing. The Extra Large Kit features our Deluxe Pressure-Compensating Emitters which are best used when there are changes in elevation. The number of plants that can be watered with each kit is an estimate based on the total number of drip emitters provided in the kit. Larger plants should get two drip emitters.















If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: Starter Kit: 50 gph, Medium Kit: 100 gph, Large Kit: 150 gph, Extra Large Kit: 200 gph

Parts List for Individual Plant Kits

	ITEM	Quantity				PART #
		S	M	L	XL	
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	1	1	DD-HVB
	Y Filter with hose threads Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	1	1	DD-YS75HFM
	Pressure Regulator - 20 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	1	1	DD-HPR20
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	1	1	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	2	4	6	8	DL-T600

Parts List for Individual Plant Kits Cont.

	ITEM	Quantity				PART #
		S	M	L	XL	
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	1	2	3	4	DL-C600
	Direct-Loc Threaded End Cap Caps off the ends of 1/2" drip tubing. Threaded Cap allows for easy flushing and draining in winter. Convenient removable fitting.	1	2	3	4	DL-EC600
	Figure 8 End of Line Plug Caps off the end of 1/2" tubing. Just slide one hole onto the end of the tubing, bend the tubing back, and slide the other hole over the end of the pipe.	4	6	8	10	DD-F8
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	2	3	-	DD-DH700-100
	1/2" Drip tubing (700 series) - 500 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	-	-	-	1	DD-DH700-500
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Creates clean, precise holes in 1/2" drip poly tubing.	1	1	1	1	DD-HP250
	1/4" Drip micro tubing - 50 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	1	-	-	-	DD-DH250-50
	1/4" Drip micro tubing - 100 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	-	1	2	3	DD-DH250-100
	Take-Apart Flag Emitter - 1gph Take Apart Emitters can be pulled apart for easy cleaning. Attach to either 1/2" mainline tubing or 1/4" distribution drip tubing.	50	100	150	-	DD-TAE10
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	10	20	30	40	DD-GP
	Bug Plug Installed on the end of 1/4" micro tubing. Lets water out and keeps insects from entering and clogging the tubing.	50	100	150	200	DD-BP250
	Deluxe Pressure Compensating Emitter - 1 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	-	-	-	200	DD-PCE10
	Micro Tubing Holder Stake - 6" Keep drip emitters and micro tubing in place. Emitter and micro tubing is elevated, reducing dirt and insect intrusion.	20	40	60	100	DD-S2
	Wire Stakes - 8" Keeps drip tubing in place.	10	20	30	50	DD-S8

Drip Irrigation

Drip Irrigation Kits

Trees and Shrub Kits



Medium Kit



Large Kit

DK-TSM Medium Kit: for up to 10 Trees/Shrubs - \$79.50

DK-TSL Large Kit: for up to 20 Trees/Shrubs - \$149.50

Description

This kit contains everything you will need to go from hose bibb (faucet) to watering trees or large shrubs. The Trees & Shrubs kits utilize 1/2" drip emitter tubing to create watering "rings" around each plant. The number of plants that can be watered with each kit is an estimate based on the linear feet of drip emitter tubing in the kits. Note that large trees may require more than one ring around the tree for adequate watering.

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: Medium Kit: 100 gph, Large Kit: 200 gph

Roses & Tomatoes Kit



Kit

DK-RTS Roses & Tomatoes Kit: for up to 20 Roses/Tomatoes - \$44.50












Description

This kit contains everything you will need to go from hose bibb (faucet) to plants. It will water up to 20 roses or tomatoes with Adjustable Stream Bubblers on spikes. The number of plants that can be watered with each kit is an estimate based on the number of drip emitters in the kit.

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.

Maximum Flow Rate Required: 100-200gph (emitters are adjustable).














Parts List for Tree and Shrub Kits

	ITEM	Quantity		PART #
		M	L	
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	DD-HVB
	Y Filter with hose threads Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	DD-YS75HFM
	Pressure Regulator - 30 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	DD-HPR30
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	4	6	DL-T600
	Direct-Loc Elbow Used to make 90 degree turns in 1/2" drip tubing. Convenient removable fitting.	2	4	DL-L600
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	2	4	DL-C600
	Figure 8 End of Line Plug Caps off the end of 1/2" tubing. Just slide one hole onto the end of the tubing, bend the tubing back, and slide the other hole over the end of the pipe.	12	25	DD-F8
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	2	DD-DH700-100
	1/2" Drip Emitter Tubing - 100 foot roll 1 gallon-per-hour in-line emitters molded into the tubing at 12" spacing. Max run: 450 feet.	1	2	DD-DET700-1012-100
	Wire Stakes - 8" Keeps drip tubing in place.	30	60	DD-S8

Drip Irrigation Kits

Roses & Tomatoes Kit Cont.

Parts List for Roses and Tomatoes Kit

	ITEM	Quantity	PART #
		M	
	Y Filter with hose threads Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	DD-YS75HFM
	Pressure Regulator - 30 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	DD-HPR30
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	3	DL-T600
	Direct-Loc Elbow Used to make 90 degree turns in 1/2" drip tubing. Convenient removable fitting.	1	DL-L600
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	1	DL-C600
	Figure 8 End of Line Plug Caps off the end of 1/2" tubing. Just slide one hole onto the end of the tubing, bend the tubing back, and slide the other hole over the end of the pipe.	12	DD-F8
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	DD-DH700-100
	1/4" Drip tubing - 100 foot roll 1/4" micro tubing is used as a lateral line from the main supply line to the adjustable stream bubbler.	1	DD-DH250-100
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Creates clean, precise holes in 1/2" drip poly tubing.	1	DD-HP250
	Adjustable Stream Bubbler (full circle) Produces 8 streams of water that can be adjusted up to a diameter of 3 feet. Twist the cap to adjust flow rate and diameter.	20	DD-SR360S
	Wire Stakes - 8" Keeps drip tubing in place.	10	DD-S8
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	10	DD-GP

Micro Sprinkler Kits for Landscapes



Starter Kit



Medium Kit



Large Kit



Extra Large Kit



Jumbo Kit

DK-YLS Micro Spray Kit for Landscapes - Starter: for up to 50 linear feet & 30 plants - \$44.50

DK-YLM Micro Spray Kit for Landscapes - Medium: for up to 100 linear feet & 60 plants - \$64.50

DK-YLL Micro Spray Kit for Landscapes - Large: for up to 200 linear feet & 90 plants - \$96.50

DK-YXL Micro Spray Kit for Landscapes - Extra Large: for up to 300 linear feet & 120 plants - \$129.50

DK-YLJO Micro Spray Kit for Landscapes - Jumbo: for up to 500 linear feet & 150 plants - \$185.50

Jumbo kit designed for two separate drip systems

Description

This kit contains everything you will need to go from hose bibb (faucet) to your plants. The drip irrigation & micro spray kits for landscapes are comprised of micro sprayers, stakes, and drippers for individual plants. **The sprays come in quarter, half, and full circle patterns. The quarter & half-circles are designed to be installed along the edges of planted areas. The full circle sprays should be installed roughly in the center of the planted areas.** The linear feet that can be watered with each kit is an estimate based on the maximum radius of each sprayer at 20 psi. **The number of individual plants that can be watered is based on the number of drippers contained in each kit.**

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.
















Maximum Flow Rate Required for each kit: 100 gph - 250 gph (sprayers are adjustable so flow rate will vary)

Drip Irrigation









Drip Irrigation Kits

Micro Sprinkler Kits for Landscapes Cont.

Parts List for Micro Sprinkler Kits for Landscapes

	ITEM	Quantity					PART #
		S	M	L	XL	JO	
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	1	1	2	DD-HVB
	Y Filter with hose threads Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	1	1	2	DD-YS75HFM
	Pressure Regulator - 20 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	1	1	2	DD-HPR20
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	1	1	2	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	1	2	3	4	6	DL-T600
	Direct-Loc Elbow Used to make 90 degree turns in 1/2" drip tubing. Convenient removable fitting.	1	2	3	4	6	DL-L600
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	1	2	3	4	6	DL-C600
	1/2" Flow Control Valve Adjust or stop the flow of water through 1/2" drip mainline tubing. Handy when isolating irrigated sections.	1	1	1	2	2	DD-FCV700
	1/2" Drip tubing (700 series) - 50 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines) and sprayers.	1	-	-	-	-	DD-DH700-50
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	-	1	2	3	-	DD-DH700-100
	1/2" Drip tubing (700 series) - 500 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines) and sprayers.	-	-	-	-	1	DD-DH700-500
	Wire Stakes - 8" Keeps drip tubing in place.	10	20	30	40	50	DD-S8
	Direct-Loc Threaded End Cap Caps off the ends of 1/2" drip tubing. Threaded Cap allows for easy flushing and draining in winter. Convenient removable fitting	1	2	3	4	6	DL-EC600
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Cuts clean, precise holes in 1/2" drip poly tubing.	1	1	1	1	1	DD-HP250
	Adjustable Stream Bubbler (full circle) Produces 8 streams of water that can be adjusted up to a diameter of 3 feet. Twist the cap to adjust flow rate and diameter.	5	5	10	15	20	DD-SR360S

Parts List for Micro Sprinkler Kits for Landscapes Cont.

	ITEM	Quantity					PART #
		S	M	L	XL	JO	
	Adjustable Spectrum Sprayer (full circle) Produces umbrella pattern of water that can be adjusted up to a diameter of 5.5 feet. Twist the cap to adjust flow rate and diameter.	5	5	10	15	20	DD-SM360S
	12" Micro Stake with 18" vinyl tubing & connector Pre-assembled micro stake assembly. Fast and easy to use. Includes 18" of vinyl tubing with a 1/4" barbed connector inserted.	5	5	10	15	20	DD-MJSA12
	Variable Adjust Micro Spray: Quarter-Circle Radius up to 9.4 feet (at 20 PSI). Adjustable flow	1	1	2	2	4	DD-MJVQ
	Variable Adjust Micro Spray: Half-Circle Radius up to 9.5 feet (at 20 PSI). Adjustable flow.	3	3	5	9	10	DD-MJVH
	Variable Adjust Micro Spray: Full-Circle Diameter up to 25.7 feet (at 20 PSI). Adjustable flow	1	1	3	4	6	DD-MJVF
	1/4" Connector - barb x barb Used to connect 1/4" solid drip tubing or 1/4" soaker hose to drip mainline tubing. Connects lengths of 1/4" tubing.	30	60	100	150	200	DD-C250
	1/4" Tee - barb x barb x barb Used to connect 1/4" drip micro tubing or inserted into 1/2" drip tubing.	10	15	20	30	40	DD-T250
	1/4" Elbow - barb x barb Used to connect 1/4" drip micro tubing to 1/2" drip tubing or make 90 degree turns in 1/4" tubing.	10	20	30	40	50	DD-L250
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	10	20	30	40	50	DD-GP
	1/4" Drip micro tubing - 50 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	1	-	-	-	-	DD-DH250-50
	1/4" Drip micro tubing - 100 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	-	1	1	2	3	DD-DH250-100
	Deluxe Pressure Compensating Emitter - 1/2 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	10	20	30	40	50	DD-PCE5
	Deluxe Pressure Compensating Emitter - 1 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	10	20	30	40	50	DD-PCE10
	Deluxe Pressure Compensating Emitter - 2 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	10	20	30	40	50	DD-PCE20
	Micro Tubing Holder Stake - 6" Keep drip emitters and micro tubing in place. Emitter and micro tubing is elevated, reducing dirt and insect intrusion.	v	60	90	120	150	DD-S2

Drip Irrigation

Drip Irrigation Kits

Micro Sprinkler Border Flower Beds and Ground Cover Kits



Border Flower Beds Kit



Ground Cover Kit

DK-MB Micro Spray Kit for Border Flower Beds: for up 100 linear feet - \$36.50

DK-MG Micro Spray Kit for Ground Cover: for up 150 linear feet - \$39.50








Description

This kit contains everything you will need to go from hose bibb (faucet) to your plants. These “mini-sprinkler” kits are comprised of micros sprayers and stakes. **The “border” kit (DD-MB) sprays in half-circles and is designed to be installed along the edge of a flower or ground cover border.** **The “ground cover” kit (DD-MG) sprays in full circle patterns and should be installed roughly in the center of the area to be watered.** The linear feet that can be watered with each kit is an estimate based on the maximum radius of each sprayer at 30 psi.

If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately.






Maximum Flow Rate Required for each kit: 100 gph - 250 gph (sprayers are adjustable so flow rate will vary)

Parts List for Micro Sprinkler Border Flower Beds and Ground Cover Kits

	ITEM	Quantity		PART #
		MB	MG	
	Y Filter with hose threads Installed between the hose vacuum breaker and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	DD-YS75HFM
	Pressure Regulator - 30 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	DD-HPR30
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	1	1	DL-T600
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	1	DD-DH700-100
	Wire Stakes - 8" Keeps drip tubing in place.	10	10	DD-S8
	Figure 8 End of Line Plug Caps off the end of 1/2" tubing. Just slide one hole onto the end of the tubing, bend the tubing back, and slide the other hole over the end of the pipe.	2	2	DD-F8

Micro Sprinkler Border Flower Beds and Ground Cover Kits

Parts List for Micro Sprinkler Border Flower Beds and Ground Cover Kits Cont.

	ITEM	Quantity		PART #
		MB	MG	
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Cuts clean, precise holes in 1/2" drip poly tubing.	1	1	DD-HP250
	20" Micro Stake with 18" vinyl tubing & connector Pre-assembled micro stake assembly. Fast and easy to use. Includes 18" of vinyl tubing with a 1/4" barbed connector inserted.	10	10	DD-MJSA20
	Variable Adjust Micro Spray: Half-Circle Radius up to 10 feet (at 30 PSI). Adjustable flow	10	-	DD-MJVH
	Variable Adjust Rotary Spray: Full Circle Mini sprinkler is adjustable up to 15 feet in diameter. It distributes large droplets of water and is best used where you want to cover a large area.	-	10	DD_VRS
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	10	10	DD-GP

Raised Bed Gardening Kits



Starter Kit



Medium Kit



Large Kit

DK-BGS Starter Kit: 3 boxes + 10 Plants - \$51.90

DK-BGM Medium Kit: 6 boxes + 20 Plants - \$85.50

DK-BGL Large Kit: 6 boxes + 30 Plants - \$109.50

DK-BGXL Extra Large Kit: 9 boxes + 40 Plants - \$142.90

DK-BGJO Jumbo Kit: 12 boxes + 50 Plants - \$199.50

Based on 4 ft. x 8 ft. raised planter boxes



Extra Large Kit



Jumbo Kit

Drip Irrigation













Drip Irrigation Kits

Raised Bed Gardening Kits Cont.














Description

This kit contains everything you will need to go from hose bibb (faucet) and into to your raised garden beds. Each kit uses a combination of drip emitters and drip emitter tubing. The number of plants that can be watered with each kit is an estimate based on the number of drip emitters provided in the kit. The number of 4 ft x 8 ft raised beds that can be watered is based on the linear feet of emitter tubing provided and spacing the tubing rows about 10 inches apart. If you want to automate your drip system, a Hose End Timer (DD-HEDT) can be purchased separately. **Maximum Flow Rate Required:** Starter Kit: 55 gph, Medium Kit: 150 gph, Large Kit: 165 gph, Extra Large Kit: 220 gph, Jumbo Kit: 325 gph (2 circuits)

Parts List for Raised Bed Gardening Kits

	ITEM	Quantity					PART #
		S	M	L	XL	JO	
	Y Ball Valve This 2-outlet ball valve allows for connection of a garden hose and drip system from the same hose bibb, faucet, spigot, or hydrant.	1	1	1	1	2	DD-YBV75
	Hose Vacuum Breaker Prevents contamination of your water supply by stopping the flow of water from your drip irrigation system back into your household water.	1	1	1	1	2	DD-HVB
	Y Filter with hose threads Installed between the hose bibb and the drip regulator. Protects drip emitters from impurities that may clog them.	1	1	1	1	2	DD-YS75HFM
	Pressure Regulator - 20 psi Hose thread regulator. Reduces household water pressure to a set pressure for use with a drip system.	1	1	1	1	2	DD-HPR20
	Direct-Loc Swivel Adapter with hose threads Connects 1/2" drip tubing to faucet, spigot, hose bibb. Connects to 3/4" male hose threads. Screws onto a drip regulator. Convenient removable fitting.	1	1	1	1	2	DL-FHS600
	Direct-Loc Tee Used to branch off and create lateral lines off of mainline drip tubing. Convenient removable fitting.	1	2	3	4	6	DL-T600
	Direct-Loc Elbow Used to make 90 degree turns in 1/2" drip tubing. Convenient removable fitting.	4	6	8	10	14	DL-L600
	Direct-Loc Coupling Used to connect 1/2" solid drip tubing or for repairs in 1/2" tubing that goof plugs can't handle. Convenient removable fitting.	1	2	3	4	6	DL-C600
	Direct-Loc Threaded End Cap Caps off the ends of 1/2" drip tubing. Threaded Cap allows for easy flushing and draining in winter. Convenient removable fitting.	4	6	8	10	12	DL-EC600
	1/2" Drip tubing (700 series) - 50 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	1	-	-	1	-	DD-DH700-50
	1/2" Drip tubing (700 series) - 100 foot roll 1/2" tubing for main lines. Supplies water to 1/4" micro tubing (lateral lines).	-	1	2	2	3	DD-DH700-100
	1/2" Drip Tubing Mounting Clip with Nail Secure 1/2" drip micro tubing to wood surfaces. Perfect for installation of drip irrigation for hanging baskets and flower pots on wood decks and trellises.	-	10	15	20	25	DD-MC700B

Parts List for Raised Bed Gardening Kits Cont.

	ITEM	Quantity					PART #
		S	M	L	XL	JO	
	1/2" Flow Control Valve Adjust or stop the flow of water through 1/2" drip mainline tubing. Handy when isolating irrigated sections.	-	1	2	3	4	DD-FCV700
	Deluxe Hole Punch Designed to fit very comfortably in your hand. Creates clean, precise holes in 1/2" drip poly tubing.	1	1	-	-	-	DD-HP250
	Super Hole Punch The Super Punch is constructed of heavy duty plastic & creates clean, precise holes in 1/2" drip poly tubing, with minimal effort	-	-	1	1	1	DD-SP250
	1/4" Connector - barb x barb Used to connect 1/4" solid drip tubing or 1/4" drip emitter tubing to drip mainline tubing. Also connects to lengths of 1/4"	20	30	40	40	60	DD-C250
	1/4" Elbow - barb x barb Used to connect 1/4" drip micro tubing to 1/2" drip tubing or make 90 degree turns in 1/4" tubing.	20	30	30	40	50	DD-L250
	1/4" Tee - barb x barb x barb Used to connect 1/4" drip micro tubing or inserted into 1/2" drip tubing.	10	20	30	40	50	DD-T250
	1/4" Drip micro tubing - 50 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants	1	-	-	-	-	DD-DH250-50
	1/4" Drip micro tubing - 100 foot roll 1/4" micro tubing for lateral lines from 1/2" main line tubing to plants.	-	1	1	1	2	DD-DH250-100
	1/4" Drip Emitter Tubing - 100 foot roll 1/2 gallon-per-hour in-line emitters molded into the tubing at 6" spacing. It is looped inside the plant containers. Max run: 19 feet.	-	1	1	1	2	DD-DET250-6-100
	1/4" Drip Emitter Tubing - 100 foot roll 1/2 gallon-per-hour in-line emitters molded into the tubing at 12" spacing. Max run: 33 feet.	1	1	1	2	2	DD-DET250-12-100
	Goof Plug Plug holes in 1/2" drip poly tubing or cap off 1/4" micro tubing. Dual plug ends to accommodate large or small holes.	20	30	40	50	70	DD-GP
	Deluxe Pressure Compensating Emitter - 1/2 gph. Our most accurate drip emitter. Pressure compensating emitters deliver a consistent output of water.	10	20	30	40	50	DD-PCE5
	Micro Tubing Holder Stake - 6" Keep drip emitters and micro tubing in place. Emitter and micro tubing is elevated, reducing dirt and insect intrusion.	10	20	30	40	50	DD-S2
	Wire Stakes - 8" Keeps drip tubing in place.	30	50	60	80	130	DD-S8

Sprinklers

Sprinkler Nozzles & Shrub Adapters



DSAN-8 Adjustable Arc Spray Nozzle - 8' Radius - Green (female threaded for Rain Bird & Hunter Sprinkler)

DSAN-10 Adjustable Arc Spray Nozzle - 10' Radius - Blue (female threaded for Rain Bird & Hunter Sprinkler)

DSAN-12 Adjustable Arc Spray Nozzle - 12' Radius - Brown (female threaded for Rain Bird & Hunter Sprinkler)

DSAN-15 Adjustable Arc Spray Nozzle - 15' Radius - Black (female threaded for Rain Bird & Hunter Sprinkler)

DSAN-17 Adjustable Arc Spray Nozzle - 17' Radius - Gray (female threaded for Rain Bird & Hunter Sprinkler)

- Adjustable arc from 0 to 360 degrees
- Female threads (Rain Bird type nozzle)
- To install on a 1/2" MPT (male pipe thread) riser, use our Spray Shrub Adapter
- Right edge of arc clearly marked on top of nozzle
- Easier to adjust than most other brands
- Filter included

1 - 24: **\$0.79** | 25 - 249: **\$0.69** | 250 - 999: **\$0.60** | 1000 or more: **\$0.52**



DSSA Spray Shrub Adapter 1/2" Female Pipe Thread x Female Nozzle (accepts Rain Bird, Hunter & ID Nozzles)

- 1/2" pipe thread x female nozzle thread
- ABS plastic with maximum UV protection

1 - 49: **\$0.40** | 50 - 249: **\$0.25** | 250 - 1499: **\$0.20** | 1500 or more: **\$0.15**

Bubblers



DS-PCB-25 Pressure Compensating Full Circle Bubbler .25 GPM (Gallons per Minute)

DS-PCB-50 Pressure Compensating Full Circle Bubbler .50 GPM (Gallons per Minute)

DS-PCB-75 Pressure Compensating Full Circle Bubbler .75 GPM (Gallons per Minute)

DS-PCB-10 Pressure Compensating Full Circle Bubbler 1.0 GPM (Gallon per Minute)

DS-PCB-20 Pressure Compensating Full Circle Bubbler 2.0 GPM (Gallons per Minute)

- Perfect for deep root watering
- Full Circle pattern
- Pressure compensating for consistent output
- Operating Pressure: 20 - 90 PSI
- Spacing: 1' to 3'
- Inlet: 1/2" female pipe thread
- Made with Heavy Duty ABS plastic
- Screen included to prevent clogging
- Attaches to a rigid 1/2" riser.

1 - 24: **\$2.50** | 25 - 99: **\$2.00** | 100 - 499: **\$1.90** | 500 or more: **\$1.70**

Bubblers and Swing Joint Assemblies & Parts Cont.



DS-AB Adjustable Flood Bubbler 1/2" FPT (Female Pipe Thread)

- Popular design for flowers, shrubs & trees • Full Circle Bubbler • Umbrella pattern
- Adjustable flow rate & radius • Inlet: 1/2" female pipe thread • Recommended Operating Pressure: 20 - 40 PSI • Flow Rate: 0 - 3.3 GPM (Gallons Per Minute) • Radius: 0 - 2' • Made with Heavy Duty ABS plastic • Screen included to prevent clogging
- Installs on a 1/2" threaded riser.

1 - 24: **\$0.80** | 25 - 99: **\$0.75** | 100 - 499: **\$0.70** | 500 or more: **\$0.60**



DS-PCSB-F Pressure Compensating Spider Bubbler - Full Circle - 6 streams in circle pattern

DS-PCSB-H Pressure Compensating Spider Bubbler - Half Circle - 4 streams in half-circle pattern

DS-PCSB-CST Pressure Compensating Spider Bubbler - Center Strip - 4 streams 2 each in opposite directions)

DS-PCSB-EST Pressure Compensating Spider Bubbler - End Strip - 2 streams in one direction

- Proven spider design for excellent performance • Operating Pressure: 20 - 50 PSI
- Inlet: 1/2" Female Pipe Thread • Made with Heavy Duty ABS Plastic • Screen included to prevent clogging • Radius 1.3' - 2.0' • Attaches to a 1/2" rigid riser.

1 - 24: **\$0.90** | 25 - 99: **\$0.85** | 100 - 499: **\$0.80** | 500 or more: **\$0.70**

Swing Joint Assemblies & Parts



DSP100 Swing Pipe - 100' Roll - .490" ID

- 100 foot roll • Swing pipe fittings require no glue • Recommended Maximum Operating Pressure: 80 PSI • Burst Pressure: 325 PSI • Inside Diameter: .490" • Wall Thickness: .100" • Barbed swing fittings are inserted directly into swing pipe.

1 - 99: **\$18.50** | 100 or more: **\$16.50**



DS5060 Swing Riser Assembly 1/2" x 6"

DS5012 Swing Riser Assembly 1/2" x 12"

DS507512 Swing Riser Assembly 1/2" x 3/4" x 12"

- Heavy duty swing pipe • 1/2" Marlex 90 (for 1/2" inlet spray heads) - DS5060 and DS5012, 3/4" Marlex 90 (for 3/4" inlet spray heads and rotors) - DS507512
- 1/2" swing spiral 90 (for 1/2" inlet PVC fittings) • All pre-assembled • Super labor saver • Maximum Flow: 8 GPM • Maximum Operating Pressure: 80 PSI • Easily adjust spray head to grade

Product Number	Product Description	1 - 49	50 - 199	200 - 999	1,000 or more
DS5060	Swing Riser Assembly 1/2" x 6"	\$0.80	\$0.70	\$0.55	\$0.50
DS5012	Swing Riser Assembly 1/2" x 12"	\$0.95	\$0.80	\$0.65	\$0.60
DS507512	Swing Riser Assembly 1/2" x 3/4" x 12"	\$1.10	\$0.91	\$0.76	\$0.71

Swing Joint Assemblies & Parts Cont.



DS50L Swing Pipe Fitting 1/2" Spiral 90 (for .490" ID Swing Pipe only)

- Swing Pipe Elbow fitting (1/2" threads x swing pipe barb) • 1/2" threads (for 1/2" inlet spray heads, rotors, Marlex 90s, and PVC fittings) • Made with hard acetal plastic for sharper grooves • Barb requires no glue • Operating Range: up to 80 PSI • Barb is inserted directly into swing pipe

1 - 49: **\$0.20** | 50 - 199: **\$0.14** | 200 - 1499: **\$0.10** | 1500 or more: **\$0.085**



DS75L Swing Pipe Fitting 3/4" Spiral 90 (for .490" ID Swing Pipe only)

- Swing Pipe Elbow fitting (3/4" threads x swing pipe barb) • 3/4" threads (for 3/4" inlet spray heads, rotors, Marlex 90s, and PVC fittings) • Made with hard acetal plastic for sharper grooves • Barb requires no glue • Operating Range: up to 80 PSI

1 - 49: **\$0.20** | 50 - 199: **\$0.15** | 200 - 999: **\$0.11** | 1000 or more: **\$0.095**



DS50MA Swing Pipe Fitting 1/2" Spiral Male Adapter (for .490" ID Swing Pipe only)

- Swing Pipe Male Adapter 1/2" • 1/2" threads (for 1/2" inlet spray heads and rotors) • Made with hard acetal plastic for sharper grooves • Barb requires no glue • Operating Range: up to 80 PSI • Barb is inserted directly into swing pipe

1 - 49: **\$0.25** | 50 - 199: **\$0.18** | 200 - 999: **\$0.14** | 1000 or more: **\$0.12**



DS75MA Swing Pipe Fitting 3/4" Spiral Male Adapter (for .490" ID Swing Pipe only)

- Swing Pipe Male Adapter 3/4" • 3/4" threads (for 3/4" inlet spray heads, rotors, Marlex 90s, and PVC fittings) • Made with hard acetal plastic for sharper grooves • Barb requires no glue • Operating Range: up to 80 PSI • Barb is inserted directly into swing pipe.

1 - 49: **\$0.26** | 50 - 199: **\$0.19** | 200 - 999: **\$0.15** | 1000 or more: **\$0.13**



DS50T Swing Pipe Fitting 1/2" Spiral Tee (for .490" ID Swing Pipe only)

- Barbed Swing Pipe Tee • Barbs requires no glue • Made with hard acetal plastic for sharper grooves • Operating Range: up to 80 PSI • Tee barbs are inserted directly into swing pipe

1 - 49: **\$0.65** | 50 - 199: **\$0.50** | 200 - 999: **\$0.40** | 1000 or more: **\$0.33**

**DS50C Swing Pipe Fitting 1/2" Spiral Coupling (for .490" ID Swing Pipe only)**

- Barbed Swing Pipe Coupling • Barbs requires no glue • Made with hard acetal plastic for sharper grooves • Operating Range: up to 80 PSI • Coupling barbs are inserted directly into swing pipe.

 1 - 49: **\$0.23** | 50 - 199: **\$0.16** | 200 - 999: **\$0.13** | 1000 or more: **\$0.11**
**DMAR50 1/2" Marlex 90****DMAR75 3/4" Marlex 90****DMAR100 1" Marlex 90**

- Male and female threads • Heavy duty self-lubricating design
- High quality cost effective solution

Product Number	Product Description	1 - 49	50 - 499	500 - 2499	2,500 or more
DMAR50	1/2" Male & Female Threads Marlex 90	\$0.20	\$0.15	\$0.12	\$0.09

Product Number	Product Description	1 - 49	50 - 349	350 - 999	1,000 or more
DMAR75	3/4" Male & Female Threads Marlex 90	\$0.40	\$0.30	\$0.24	\$0.18

Product Number	Product Description	1 - 24	25 - 99	100 - 499	500 or more
DMAR100	1" Male & Female Threads Marlex 90	\$0.90	\$0.70	\$0.50	\$0.35

Cut-Off Risers

**DCOR5060 1/2" x 6" Poly Cut-off Riser****DCOR7560 3/4" x 6" Poly Cut-off Riser****DCOR7550 3/4" x 1/2" x 6" Poly Cut-off Riser****DCOR5070MF 1/2" x 7" Poly Cut-off Riser Extender 1/2" Male Pipe Thread x 1/2" Female Pipe Thread**

- For sprinkler installations • Molded, black, polyethylene • Teflon tape is not required
- Economical time-saver • DCOR5060: 1/2" MPT on each end, Riser is 6" long with 6 cut-off sections, Threads into 1/2" female threaded PVC fittings • DCOR7560: 3/4" MPT on each end, Riser is 6" long with 5 cut-off sections, Threads into 3/4" female threaded PVC fittings • DCOR7550: 1/2" MPT on one end & 3/4" MPT on the other, Riser is 6" long with 5 cut-off sections, Threads into 3/4" female threaded PVC fittings • DCOR5070MF: 1/2" MPT on one and 1/2" FPT on the other, Riser is 7" long with 7 cut-off sections, Threads onto 1/2" male threads (typically another riser)

Product Number	Product Description	1 - 49	50 - 1999	2000 - 9999	10,000 or more
DCOR5060	1/2" x 6" Poly Cut-Off Riser	\$0.13	\$0.11	\$0.09	\$0.075

Product Number	Product Description	1 - 49	50 - 499	500 - 4999	5,000 or more
DCOR7560	3/4" x 6" Poly Cut-off Riser	\$0.32	\$0.28	\$0.22	\$0.019
DCOR7550	3/4" x 1/2" x 6" Poly Cut-off Riser	\$0.32	\$0.28	\$0.22	\$0.019
DCOR5070MF	1/2" x 7" Poly Cut-off Riser Extender	\$0.32	\$0.28	\$0.22	\$0.019

Connecting to the Water Source

Connect to a hose bibb (faucet) or tie-in directly to the water supply with an electric solenoid valve.

Hose Bibb Connection with Battery Timer



Hose Bibb (Faucet)

Y- Ball Valve - This 2-outlet ball valve allows for connection of garden hose and drip system from the same hose bibb, faucet, spigot, or hydrant.

Hose End Digital Timer - A timer is optional. You may operate your system manually with the Y Ball Valve above.

Hose Vacuum Breaker - Prevents water from flowing back from your drip irrigation system into your household water.

Hose Inline Filter 120 mesh screen. Drip emitters are less likely to clog if you install proper filtration. If you prefer a Y Filter, use a Y Filter with hose threads. See photo below.

Preset Pressure Regulator - 20 psi or 30 psi recommended. Learn how to choose a drip regulator.

Swivel Hose Adapter - Connects to 1/2 " drip mainline (size 700) with a compression fitting. For 1/4 " tubing use a swivel adapter with a 1/4 " barb. 1/2 " Drip Tubing

Hose Bibb Connection with Y Filter (hose thread)



Hose Bibb (Faucet)

Hose End Digital Timer - A timer is optional. You may operate your system manually with the Y Ball Valve above.

Hose Vacuum Breaker - Prevents water from flowing back from your drip irrigation system into your household water.

Y Filter - (hose threads). 150 mesh screen. Drip emitters are less likely to clog if you install proper filtration

Preset Pressure Regulator - 20 psi or 30 psi recommended. Learn how to choose a drip regulator.

Swivel Hose Adapter - Connects to 1/2 " drip mainline (size 700) with a compression fitting. For 1/4 " tubing use a swivel adapter with a 1/4 " barb.

1/2" Drip Tubing

Electric Solenoid Valve Connection



Electric Solenoid Valve. Receives 24VAC signal from automatic Irrigation Controller.

Y Filter with 150 mesh stainless steel screen. Drip emitters are less likely to clog if you install proper filtration.

Drip Pressure Regulator (female pipe thread x male pipe thread)

To connect drip tubing to a pipe-thread regulator, use a swivel adapter with pipe threads (not shown)

Tips



Hot Water Helps With Stubborn Drip Tubing

A cold weather fix

Installing drip tubing on a cold day? Dip the end of mainline tubing into hot water for a few seconds. This will soften it enough to slide easily into compression fittings. Do not use lubricants on drip tubing.

Parts List

Here's a list of all the parts discussed in this tutorial.

- DD-YBV75** Y Ball Valve (2 outlets) 3/4" FHT (Female Hose Thread) x 3/4" MHT (Male Hose Thread x 2)
- DD-HEDT** Battery Operated Hose End Timer - Solid State
- DD-HVB** Hose Vacuum Breaker 3/4" Female Hose Thread x Male Hose Thread Anti-siphon Valve
- DD-HIF75** Hose Inline Filter 3/4" FHT (Female Hose Thread) x 3/4" MHT (Male Hose Thread) w/ 120 Mesh Poly Screen
- DD-YS75HFM** Y Filter 3/4" FHT (Female Hose Thread) x 3/4" (MHT) Male Hose Thread w/ 150 Mesh Screen
- DD-HPR20** Pressure Regulator - 20 PSI 3/4" FHT x 3/4" MHT Low Flow .1 - 8 GPM (Gallons per Minute)
- DD-HPR30** Pressure Regulator - 30 PSI 3/4" FHT (x 3/4" MHT Low Flow .1 - 8 GPM (Gallons per Minute)
- DD-CHS700** 3/4" Hose Thread Swivel x .700 OD Compression Adapter - Black Ring
- DD-CHS250** 3/4" FHT (Female Hose Thread) Swivel x 1/4" (250) Barb Hose Adapter w/ washer
- DFV075** Electric Solenoid Valve 3/4" FPT (Female Pipe Thread) 24VAC
- DFV100** Electric Solenoid Valve 1" FPT (Female Pipe Thread) 24VAC)
- DD-YS75** Y Filter 3/4" MPT (Male Pipe Thread) w/ 150 Mesh Stainless Steel Screen
- DD-YS100** Y Filter 1" MPT (Male Pipe Thread) w/ 150 Mesh Stainless Steel Screen
- DD-PR20LF-75** Pressure Regulator 3/4" FPT (Female Pipe Thread) x 3/4" MPT - 20 PSI Low Flow .1 - 8 GPM
- DD-PR30LF-75** Pressure Regulator 3/4" FPT x 3/4" MPT - 30 PSI Low Flow .1 - 8 GPM
- DD-CFP700** 3/4" Pipe Thread Swivel x .700 OD Compression Adapter - Black Ring
- DD-DH700-100** 1/2" x 100' .700 OD Poly Tubing - 100' Roll

Determine Water Flow Rate

How To Measure Flow Rate

The flow rate of your water supply determines how much water you have available for your drip emitters and sprinklers. It is commonly measured in Gallons Per Hour (GPH) or Gallons Per Minute (GPM). The greater the rate of flow of water, the more drip emitters you can put on a single watering zone and the more zones you can run from a single irrigation valve. If you are going to add a drip system to your faucet (hose bibb, spigot, hydrant), you'll need a bucket and a stop watch.

To determine the flow rate out of your faucet follow these four steps:

1. Place a 5-gallon bucket under the faucet.
2. Quickly turn on the faucet so that is fully open.
3. Record how many seconds it takes to fill the 5-gallon bucket (gallons per second).
4. Calculate your flow rate to determine Gallons per Hour:
 $(5 \text{ gallons} \div X \text{ seconds}) \times 60 \text{ seconds/minute} \times 60 \text{ minutes/hour} = \text{Gallons per Hour (GPH)}$

Example: If it takes 75 seconds to fill our 5-gallon bucket.

The formula is: (5 gallons ÷ 75 seconds) X 60 seconds/minute X 60 minutes/hour = 240 GPH

Now you know the limit of emitter output for your system. In the example above, you can place a total of 240 1-gph or 480 1/2-gph drip emitters on your system. Note: This is only one factor in designing your system. You also need to consider water pressure and maximum run for mainline tubing. For more details, read our Drip Irrigation Basics & Installation Tutorial.

Tips



Control Water Flow to Flower Pots With This Little Valve

DD-FCV250 1/4" Barbed In-line Flow Control Valve inserts into micro tubing

If you use drip irrigation to water hanging baskets or flower pots, put a 1/4" flow control valve on each pot. You can reduce the flow or shut it off completely. It's handy if the pot is has not yet been planted and you don't want to water it.



Adjust Water Flow to Garden Boxes With a Flow Control Valve

DD-FCV700 1/2" Flow Control Valve .700 OD Compression - Black Rings - fits over mainline tubing

These valves are great when you have garden boxes or drip areas that you may want to turn off seasonally. You can reduce the flow or shut it off completely. 1/2" Flow Control Valves are installed just like a compression coupler.

Water Pressure - How To Measure

Determining Your Household Water Pressure

A Quick Pressure Check Saves Headaches Later

You can purchase an inexpensive water pressure gauge at your local hardware store or online for around ten dollars. The gauge screws onto your hose bibb. Turn on the hose bibb and read the psi (pounds per square inch) off of the gauge.



Drip systems operate at 20-30 psi. Most household water systems operate at 50-70 psi.

If your household water pressure is at 90 psi or greater, it may compromise the operation of your drip regulator. If this is the case, we recommend hiring a plumber to reduce the pressure of your household water system.

Water Pressure - How To Measure cont.

Tips



Sloping Property? Use Pressure-Compensating Emitters

Drip emitters with consistent output

When installing a drip system on a slope, non-pressure-compensating emitters will deliver less water at the top of the slope and more at the bottom. Install pressure-compensating emitters to ensure even flow rate even if the elevation changes. Non-PC emitters are best on flat landscapes.

DD-PC5 1/2 GPH Pressure Compensating Drip Emitter - Button Dripper

Designing & Planning Your Drip Irrigation System

Combine Plant Groups & Soil Type for Best Results

Design Watering Zones by Plant Groups

- Flower Beds & Ground Cover
- Trees & Shrubs
- Vegetable Gardens
- Containers, Pots & Boxes

Plants of similar sizes and growth habits generally have watering requirements that are much the same. Always try to group watering zones by plant moisture needs and local climate conditions (shade, partial shade, full sun).



Consider the following:

- Plants that need frequent, shallow watering, like annual flowers and ground cover, should be grouped separately from those needing less frequent, deep watering, like trees.
- Seasonal plantings like crops or vegetable gardens should be kept separate from permanent plantings like shrubs. Install inexpensive flow control valves to shut off these areas when not in use.
- Create separate zones for plants in the shade versus hot, sunny spots.
- Container plants should be watered separately from plants in the ground. They have confined root systems and may dry out more quickly.

Determine Your Soil Type Before Selecting A Drip Emitter

Clay, Loam, Sand

Soil type influences water penetration and runoff. If soil particles are tightly packed (clay soil), water can pool on the surface and eventually flow away from the plants. Water flows quickly through sandy soils. Select low output emitters (1/2gph, 1gph) for clay soil so that the water has time to penetrate into the root zone. In sandy soils, water flows down in a narrow pattern. Select higher output emitters (2gph, 4gph) and space closer together to ensure full coverage of the root zone. The guidelines below will help you plan for your specific landscape.



Sandy Soil (loose): Grip a handful tightly, when released it will fall apart.

Loamy Soil (normal): Grip a handful tightly, when released it will hold together, but can easily be broken apart.

Clay Soil (hard): Grip a handful tightly, when released it will hold together and is not easy to break apart.

Designing & Planning Your Drip Irrigation System Cont.

Design Watering Zones by Plant Groups Cont.

Emitter Recommendations by Plant & Soil Type:

Flower Beds & Ground Cover - Sandy Soil

Individual Plants

- Drip Emitters: 1 GPH PCE Drip Emitter • Drip Emitter Tubing: 1/4" tubing, size 250, 1/2 GPH at 12" spacing - 100 ft roll

Groups of Plants

Large Plants

- Drip Emitter Tubing: 1/2" tubing, size 700, 1/2 GPH at 12" spacing - 100 ft or 400 ft roll

Small Plants • Drip Emitter Tubing: 1/4" tubing, size 250, 1/2 gph at 12" spacing - 100 ft roll

- Spray fittings: Micro Jets-Sprayers

Rows of Plants

- Drip Emitters: 1 GPH PCE Drip Emitter

Large Plants

- Drip Emitter Tubing: 1/2" tubing, size 700, 1/2 GPH at 12" spacing - 100 ft or 400 ft roll

Small Plants

- Drip Emitter Tubing: 1/4" tubing, size 250, 1/2 GPH at 12" spacing - 100 ft roll



Flower Beds & Ground Cover - Loamy or Clay Soil

Individual Plants

- Drip Emitters: 1/2 GPH or 1gph PCE Drip Emitter

Groups of Plants

Large Plants

- Drip Emitter Tubing: 1/2" tubing, size 700, 1 GPH at 18" spacing - 100 ft or 400 ft roll

Small Plants

- Drip Emitter Tubing: 1/4" tubing, size 250, 1/2 GPH at 12" spacing - 100 ft roll

- Spray fittings: Micro Jets-Sprayers Micro Jet Sprays are good for ground cover

Rows of Plants

- Drip Emitters: 1/2 GPH or 1gph PCE Drip Emitter

Large Plants

- Drip Emitter Tubing: 1/2" tubing, size 700, 1 GPH at 18" spacing - 100 ft or 400 ft roll

Small Plants

- Drip Emitter Tubing: 1/4" tubing, size 250, 1/2 GPH at 12" spacing - 100 ft roll

Trees & Shrubs - All Soil Types

Small Shrubs & Roses (up to 4' high)

- 1-2 Drip Emitters per plant: 2 GPH PCE Drip Emitter (for Sandy Soil), 1 GPH PCE Drip Emitter (for Loam) or 1/2 GPH PCE Drip Emitter (for Clay Soil)

- Drip Emitter Tubing: 1/2" tubing, size 700, 1/2 GPH at 12" spacing (for Clay & Loam) or 18" spacing (for Loam) - 100 ft roll

Tip: Loop emitter tubing around base of plant for best coverage.

Adjustable Stream Bubblers:

- Stream Bubbler on Stake - Full or Half Circle
- Stream Bubbler with Barb - Full or Half Circle



Trees & Shrubs - All Soil Types Cont.

Medium Shrubs & Trees (2' to 4' high)

- 2 Drip Emitters per plant: 2 GPH PCE Drip Emitter (for Sandy Soil), 1 GPH PCE Drip Emitter (for Loam Soil) or 1/2 GPH PCE Drip Emitter (for Clay Soil)

Tip: Install 12" from base of plant on either side

- Drip Emitter Tubing: 1/2" tubing, size 700, 1/2 GPH at 12" spacing (for Clay & Loam) or 18" spacing (Loam) - 100 ft rolls

Tip: Loop emitter tubing around base of plant for best coverage. Adjustable Stream

- Adjustable Stream: Full or Half Circle Stream Bubbler on Stake, Full or Half Circle Stream Bubbler with Barb

Larger Shrubs & Trees (4' to 6' high)

- 2-4 Drip Emitters per plant placed in a loop around the tree canopy: 4 - 2 GPH emitters spaced 12" to 18" (Sandy Soil), 2 to 3 - 1 GPH emitters spaced 18" (Loamy Soil), 4 - 1/2 GPH emitters spaced 12" to 18" (Clay Soil)

- Drip Emitter Tubing: 1/2" tubing, size 700, 1/2 GPH at 12" spacing - 100 ft or 400 ft roll (Clay & Loam), 1/2 GPH at 18" spacing - 100 ft or 400 ft roll (Loam), 1 GPH at 18" spacing - 100 ft 400 ft roll (Loam & Sand)

Tip: Loop emitter tubing around base of plant for best coverage. Drip Emitter Tubing

Large Trees (6' and up)

- 5 Drip Emitters per plant placed in a loop around the tree canopy: Sandy & Loamy Soil: 2 GPH emitters spaced 12" to 18" for Sandy & Loamy Soil, Clay Soil: 2 GPH emitters spaced 18" to 24" for Clay Soil



Parts

Here's a list of all the parts discussed in this tutorial.

DD-FCV700 1/2" Flow Control Valve .700 OD Compression - Black Rings

DD-PCE5 1/2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE10 1 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE20 2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-DET250-12-100 1/4" x 100' Soaker Hose 12" Spacing 1/2 GPH Dripline Emitters - Black Tubing

DD-DET700-512-100 1/2" x 100' Dripline 12" Spacing 1/2 GPH PC In-Line Emitters - Black Soaker Hose

DD-DET700-512-400 1/2" x 400' Dripline 12" Spacing 1/2 GPH PC In-Line Emitters - Black Soaker Hose

DD-DET700-518-100 1/2" x 100' Dripline 18" Spacing 1/2 GPH PC In-Line Emitters - Black Soaker Hose

DD-DET700-518-400 1/2" x 400' Dripline 18" Spacing 1/2 GPH PC In-Line Emitters - Black Soaker Hose

DD-DET700-1018-100 1/2" x 100' Dripline 18" Spacing 1 GPH PC In-Line Emitters - Black Soaker Hose

DD-DET700-1018-400 1/2" x 400' Dripline 18" Spacing 1 GPH PC In-Line Emitters - Black Soaker Hose

DD-SR360S Adjustable Stream Bubbler (Shrubber Style) Full Circle (360) - 6" Spike

DD-SR180S Adjustable Stream Bubbler (Shrubber Style) 1/2 Circle (180) - 6" Spike

DD-SR360B Adjustable Stream Bubbler (Shrubber Style) Full Circle (360) - Barb

DD-SR180B Adjustable Stream Bubbler (Shrubber Style) 1/2 Circle (180) - Barb

MICRO JETS-SPRAYERS See Micro Jets and Sprayer section of this catalog

How To Add Drip Irrigation To Your Hanging Baskets

Adding drip irrigation to a hanging basket is easy and can be done in an afternoon.

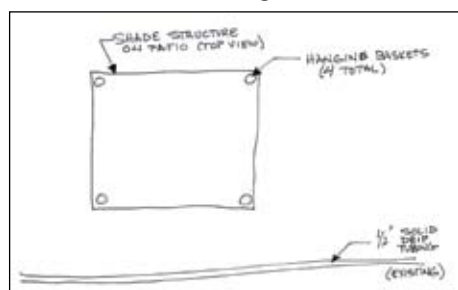
In this example, you have four hanging baskets placed in the corners of a shade structure. See the sketch below.

The structure is 12ft x 12ft. The baskets are 8ft high and the 1/2" drip mainline tubing is 5ft away from the shade structure. Since this tutorial is focused on hanging baskets, we will not cover connecting to a main water supply and assume that you have a 1/2" solid drip line in place.

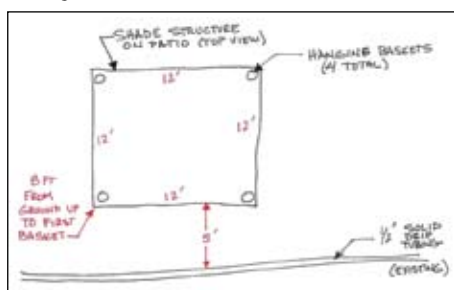
You will use 1/4" solid poly tubing for this most of this project and add a drip emitter and mister to each basket.

Step One: Sketch & Measure

Starting with a top view of your shade structure, draw a rough sketch like this:



Measure and add the dimensions to your sketch:



Add the drip line, fittings, and emitters:



Step Two: Create a parts list

You may find that it is easiest to make a take-off list (see below). Walk around the location and mark down the number of fittings needed.

Drip Irrigation Take-Off List		
Quantity	Item	
12 + 12 + 12 + 8 + 4	1/4" Solid Drip Tubing (DD-DH250)	48'
5'	1/2" Solid Drip Tubing (DD-DH700)	5'
1	1/2" Tees (DD-T700)	
11	1/4" Tees (DD-T250)	
1	1/4" Couplers (DD-C250)	
1111	1/4" Elbow (DD-L250)	
1111	Misters (DD-FMB)	
1111	Adjustable Stream Bubblers, Full Circle (DD-SR360S)	
	Hole Punch (DD-HP250) Optional - buy if you don't have one	
	1/2" Flow Control Valve (DD-FCV700) Optional	
	1/4" Flow Control Valve (DD-FCV250) Optional	
	Goof Plugs (DD-GP) Optional - for plugging holes	

Suggested parts for your project:

- 1/2" Solid Drip Mainline Tubing
- 1/4" Solid Drip Micro Tubing
- 1/2" End Cap (for Mainline Drip Tubing)
- 1/4" Connectors (barbed)
- 1/4" Tees (barbed)

- 1/4" Elbows (barbed)
- 1/2" Tees (compression)
- Fogger Mister (barbed)
- Adjustable Stream Bubbler (full circle)

Calculate the amount of tubing needed.

From your sketch: 12 ft + 12 ft + 12 ft + 8 ft + 4 ft + 5 ft. = 53ft

Since the maximum run recommended for 1/4" tubing is 50 feet, you will need to use a small section of 1/2" tubing to get you under that threshold. The 5 ft section between the existing 1/2" drip tubing and the shade structure is perfect for that. Now you can run the remaining 48 ft with 1/4" tubing.

Determine the number of fittings needed.

Final Parts list for this project:

5 ft.- 1/2" Solid Drip Mainline Tubing

48 ft.- 1/4" Solid Drip Micro Tubing

1 - 1/2" Tee

1 - 1/2" End Cap

1 - 1/4" Connectors

6 - 1/4" Tees (barbed)

4 - 1/4" Elbows (barbed)

4 - Fogger Mister (barbed)

4 - Adjustable Stream Bubbler (full circle)

We always recommend buying a few extra parts, so round up your numbers before you order. Check the "Tips" tab for additional tools and parts that you may want to consider.

Step Three: Installation

From your 1/2" supply line, branch off with a 1/2" tee pointing toward the shade structure.

Run 5ft of 1/2" tubing from the tee to the shade structure. Once at the shade structure, cap off the end of the 1/2" tubing with a 1/2" end cap.

At the base of the shade structure, punch a hole into the 1/2" tubing so that you can run the 1/4" tubing up to the first basket. Place a 1/4" coupling in the hole and connect the 1/4" tubing to the other end of the coupling. You can now run your 1/4" tubing up to the first basket.

For each basket you will need:

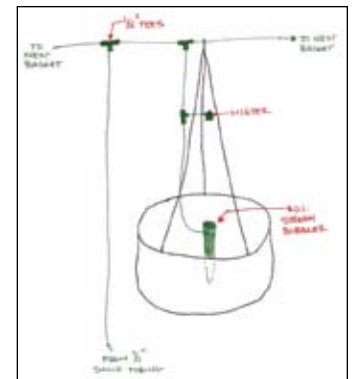
2 - 1/4" tees

1 mister

1 adjustable stream bubbler

About one foot of solid 1/4" tubing

The drip irrigation set up for each hanging basket will look like this:



1. Add a 1/4" tee and point it down toward the basket. (For the baskets at the end of each run, use 1/4" elbows).
2. Add another length of 1/4" tubing to an Adjustable Stream Bubbler. Cut that tubing about 8"-10" above the basket and insert a tee and a small piece of 1/4" tubing.
3. Then add a mister, as shown below. Push the staked bubbler down into the soil and attach the 1/4" tube to the tee above. Repeat this for all hanging baskets.

Now relax and let your drip system do the work.

Drip irrigation systems are versatile, flexible, and very forgiving. Look for other areas in your garden where drip emitters or drip emitter tubing might be the perfect solution for your garden irrigation needs.

How To Add Drip Irrigation To Your Hanging Baskets Cont.

Tips



Upgrade Your Drip Hole Punch & Save Time - A clean cut makes it easier

Some hole punches are shaped like a pencil and simply poke a hole as they push through the tubing. They require more force and can slip off of the tubing before they make the hole. Use a hole punch that has a sharp, circular cutting edge. It will take less time and be much easier on your hands.

DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers



A Paper Clip Quickly Cleans a Hole Punch - Insert the wire to clear the tool

A good hole punch will actually cut a tiny circle out of the drip tubing. The plug of tubing can be removed from the cutting edge of the punch with a paper clip. Push it through the cutting end to clear any plastic debris.



Control Water Flow to Flower Pots With This Little Valve - 1/4" Flow Control Valve inserts into micro tubing

If you use drip irrigation to water hanging baskets or flower pots, put a 1/4" flow control valve on each pot. You can reduce the flow or shut it off completely. It's handy if the pot is has not yet been planted and you don't want to water it.

DD-FCV250 1/4" Barbed In-line Flow Control Valve inserts into micro tubing



Fix Little Holes With a Goof Plug - Doubles as a 1/4" end plug

If you make a mistake and poke a hole in the wrong place on a drip line, insert a goof plug (small barb). If the hole gets worn and leaks a little, pull the plug out and use the large barbed end. Goof plus are also used to plug the end of 1/4" micro tubing.

DD-GP Goof Plug - Dual End 1/4" & 1/8"



Adjust Water Flow to Garden Boxes With a Flow Control Valve - 1/2" Valve fits over mainline tubing

These valves are great when you have garden boxes or drip areas that you may want to turn off seasonally. You can reduce the flow or shut it off completely. 1/2" Flow Control Valves are installed just like a compression coupler.

DD-FCV700 1/2" Flow Control Valve .700 OD Compression - Black Rings - fits over tubing



Fix Big Holes With a Coupler - If a goof plug won't do the trick

If you have a hole in a mainline poly pipe that is bigger than a goof plug, a compression coupling is the fitting to use. Make a clean cut and insert the two tubes into each end of the coupler. No glue required.

C700 1/2" Compression Coupling .700 OD - Black Rings

Parts

Here's a list of all the parts discussed in this tutorial.

DD-C250 1/4" Barbed Connector

DD-T250 1/4" Barbed Tee

DD-L250 1/4" Barbed Elbow

DD-T700 1/2" Compression Tee .700 OD - Black Rings

DD-EC700 1/2" Compression Hose End Plug .700 OD with 3/4" Cap - Black Ring

DD-SR360S Adjustable Full Circle Stream Spray Bubbler on 6" Stake

DD-DH250-100 1/4" x 100' Poly Micro Tubing - 100' Roll

DD-DH700-500 1/2" x 500' .700 OD Poly Tubing - 500' Roll

DD-FMB Drip Fogger Mister Barb 3 GPH (Gallons per Hour) 1/4" barb (250)

How Many Drip Emitters Can I Put On A Mainline?

Know Your Flow

You can add as many drip emitters as your flow rate will support. A typical hose bibb delivers 240 gallons per hour. So you have 240 gallons available for your emitters to "consume". Simply add up the total number of gallons to be consumed by the emitters that you plan to add. You can put 240 1 gph emitters on the line (or 480 1/2 gph emitters or 120 2 gph emitters).

Keep in mind that when adding adjustable emitters and micro sprays the output can be in excess of 30 gallons per hour. It doesn't take many sprays to use up those 240 gallons.

If you plan to add the maximum allowable emitters to your drip tubing, consider using pressure compensating emitters as they will maintain the same flow rate within a range of pressure (psi) and elevation changes. Non-pressure compensating emitters will output more or less water with changes in pressure or elevation. You may run out of water for emitters at the end of the line in this case.

Tips



Upgrade Your Drip Hole Punch & Save Time - A clean cut makes it easier

Some hole punches are shaped like a pencil and simply poke a hole as they push through the tubing. They require more force and can slip off of the tubing before they make the hole. Use a hole punch that has a sharp, circular cutting edge. It will take less time and be much easier on your hands.

DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers



A Paper Clip Quickly Cleans a Hole Punch - Insert the wire to clear the tool

A good hole punch will actually cut a tiny circle out of the drip tubing. The plug of tubing can be removed from the cutting edge of the punch with a paper clip. Push it through the cutting end to clear any plastic debris.

Parts

Here's a list of all the parts discussed in this tutorial.

DD-PCE5 1/2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE10 1 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-PCE20 2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers

Watering Potted Plants With Drip Irrigation



Planting flowers in pots with drip irrigation

Whether you have potted plants on a deck, patio or in a greenhouse, drip irrigation is an excellent method for watering them. Below are three options that you can try. See which one (or combination) works best for you. Each design begins with a 1/2" drip tubing supply line. (If you have questions, read our tutorial and learn how to connect to the water supply.)

Step One



Your solid drip mainline tubing will consist of 1/2" Polyethylene pipe. This pipe will feed all of the flower pots.

Step Two



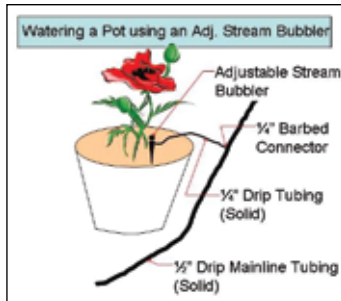
From the 1/2" main line you will run a section of 1/4" solid tubing to each flower pot. Poke a hole in the 1/2" tubing with a hole punch. Insert a 1/4" barbed connector into the hole in the 1/2" tubing. Connect the 1/4" solid tubing to the other end of the connector.

Watering Potted Plants With Drip Irrigation Cont.

Step Three

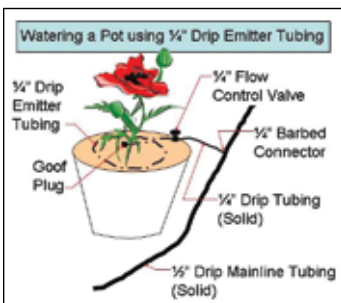
Run a length of 1/4" solid tubing into the pot.

At this point, you have some choices (see diagrams below).



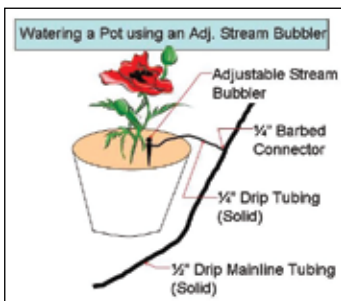
1. Adjustable Stream Bubbler

(Additional Parts: Adjustable. Stream Bubbler) If you find that you move pots in and out of your greenhouse often, this may be the best solution for you. The adjustable stream bubbler has a built-in stake, which makes it easy to stick into the soil of the pot. Since it is adjustable, you can turn it completely off with a slight clockwise twist. This is handy if you remove a plant from the greenhouse and do not replace it right away. Overspray is possible, so keep that in mind if this is a problem.



2. 1/4" Drip Emitter Tubing - 6 spacing

(Additional Parts: Drip Emitter Tubing , 1/4" Flow Control Valve , Goof Plug) Drip emitter tubing, sometimes called soaker hose, contains emitters, or drippers, inside the tubing. The emitters are spaced every six inches and dispense 1/2 gph. The tubing is easily coiled around the inside of a flower pot and capped off with a goof plug. If you need to remove the pot or replant it, simply pull the tubing out of the pot and swap out the pot or replant it. Once your work is done, replace the coil of tubing around the plants. You may find that a wire or plastic stake is necessary to hold the tubing in place. Emitter tubing will not overspray and is a good solution if your pots are in a windy location.



3. Drip Emitter with Stake

(Additional Parts: Pressure Compensating Drip Emitter, 1/4" Flow Control Valve, Micro Tubing Stake) This solution combines the ease of a stake and the dripping water of an emitter. This is a good option for very small containers in particular. The adjustable stream bubbler is designed to spray. It may be difficult to adjust the spray down for containers smaller than six inches in diameter.



Final Notes

The flow control valve will allow you to moderate the flow to individual flower pots. You can also use the flow control valve to shut off the supply of water completely when a flower pot is not in use. When comparing your options here are a few things to consider:

1. If you plan to swap out your flower pots often, the staked options might be easier to work with than the coil of drip emitter tubing.
2. If you have a lot of pots to water, the drip emitter tubing and PCE drip emitter options use less water per pot (1 gallon per hour) vs. the variable amount used by the adjustable stream bubbler. Since your flower pots are small, the adjustable stream bubbler, when throttled down, will probably dispense about 1.5-2 gallons per hour. Note If your water supply is a hose bib (faucet), you have 240 gallons-per-hour total to work with.
3. If you anticipate using larger pots at some point (or a variety of sizes), the adjustable stream bubbler will accommodate a diameter range from six inches to three feet.
4. You may decide to mix-and-match the above options. With our competitive pricing you should consider experimenting and see which solution works best for you and your flower pots.

Tips



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DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers



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Control Water Flow to Flower Pots With This Little Valve - 1/4" Flow Control Valve inserts into micro tubing

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DD-FCV250 1/4" Barbed In-line Flow Control Valve inserts into micro tubing



Fix Little Holes With a Goof Plug - Doubles as a 1/4" end plug

If you make a mistake and poke a hole in the wrong place on a drip line, insert a goof plug (small barb). If the hole gets worn and leaks a little, pull the plug out and use the large barbed end. Goof plus are also used to plug the end of 1/4" micro tubing.

DD-GP Goof Plug - Dual End 1/4" & 1/8"



Adjust Water Flow to Garden Boxes With a Flow Control Valve - 1/2" Valve fits over mainline tubing

These valves are great when you have garden boxes or drip areas that you may want to turn off seasonally. You can reduce the flow or shut it off completely. 1/2" Flow Control Valves are installed just like a compression coupler.

DD-FCV700 1/2" Flow Control Valve .700 OD Compression - Black Rings - fits over tubing



Hot Water Helps With Stubborn Drip Tubing - A cold weather fix

Installing drip tubing on a cold day? Dip the end of mainline tubing into hot water for a few seconds. This will soften it enough to slide easily into compression fittings. Do not use lubricants on drip tubing.

DD-DH700-100 1/2" x 100' .700 OD Poly Tubing - 100' Roll

Parts

Here's a list of all the parts discussed in this tutorial.

DD-C250 1/4" Barbed Connector

DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers

DD-FCV250 1/4" Barbed In-line Flow Control Valve

DD-SR360S Adjustable Full Circle Stream Spray Bubbler on 6" Stake

DD-DH250-100 1/4" x 100' Poly Micro Tubing - 100' Roll

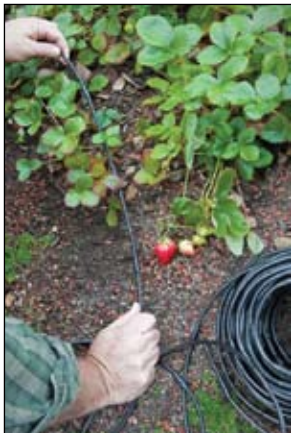
DD-DH700-100 1/2" x 100' .700 OD Poly Tubing - 100' Roll

DD-PCE5 1/2 GPH Pressure Compensating Drip Emitter - Button Dripper

DD-GP Goof Plug - Dual End 1/4" & 1/8"

DD-DET250-6-100 1/4" x 100' Soaker Hose 6" Spacing 1/2 GPH Dripline Emitters - Black Tubing

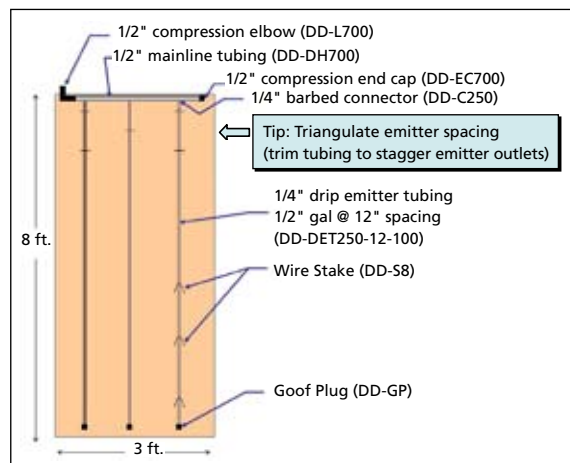
How To Add Drip Irrigation To A Raised Garden Bed



We are often asked for tips on installing drip irrigation for raised bed vegetable gardens. Drip irrigation is very forgiving and you have many options to choose from.

Here is one approach to a garden drip system. Modify it to fit your garden.

Example: 3ft x 8ft raised garden box



Tips



Upgrade Your Drip Hole Punch & Save Time

A clean cut makes it easier

Some hole punches are shaped like a pencil and simply poke a hole as they push through the tubing. They require more force and can slip off of the tubing before they make the hole. Use a hole punch that has a sharp, circular cutting edge. It will take less time and be much easier on your hands.

DD-HP250 Deluxe Hole Punch for 1/4" Barbed Fittings & Drippers



A Paper Clip Quickly Cleans a Hole Punch

Insert the wire to clear the tool

A good hole punch will actually cut a tiny circle out of the drip tubing. The plug of tubing can be removed from the cutting edge of the punch with a paper clip. Push it through the cutting end to clear any plastic debris.



Fix Little Holes With a Goof Plug

Doubles as a 1/4" end plug

If you make a mistake and poke a hole in the wrong place on a drip line, insert a goof plug (small barb). If the hole gets worn and leaks a little, pull the plug out and use the large barbed end. Goof plugs are also used to plug the end of 1/4" micro tubing.

DD-GP Goof Plug - Dual End 1/4" & 1/8"



Adjust Water Flow to Garden Boxes With a Flow Control Valve

1/2" Valve fits over mainline tubing

These valves are great when you have garden boxes or drip areas that you may want to turn off seasonally. You can reduce the flow or shut it off completely. 1/2" Flow Control Valves are installed just like a compression coupler.

DD-FCV700 1/2" Flow Control Valve .700 OD Compression - Black Rings - fits over mainline tubing

Tips Cont.



Fix Big Holes With a Coupler

If a goof plug won't do the trick

If you have a hole in a mainline poly pipe that is bigger than a goof plug, a compression coupling is the fitting to use. Make a clean cut and insert the two tubes into each end of the coupler. No glue required.

C700 1/2" Compression Coupling .700 OD - Black Rings



Threaded End Caps Make Winterizing Easy

Unscrew cap to flush or drain drip tubing

Install them now and thank yourself later. A threaded cap at the end of the drip line allows you to flush the line to clean it and drain the line of water before freezing winter temperatures set in. Learn more about winterizing your irrigation system.

DD-EC700 1/2" Compression Hose End Plug .700 OD with 3/4" Cap - Black Ring

Parts

Here's a list of all the parts discussed in this tutorial.

DD-C250 1/4" Barbed Connector

DD-L700 1/2" Compression Elbow .700 OD - Black Rings

DD-EC700 1/2" Compression Hose End Plug .700 OD with 3/4" Cap - Black Ring

DD-S8 Drip Tubing Hold Down 8" Wire Stake fits 1/8" to 3/4" tubing

DD-DH700-100 1/2" x 100' .700 OD Poly Tubing - 100' Roll

DD-DH700-500 1/2" x 500' .700 OD Poly Tubing - 500' Roll

DD-GP Goof Plug - Dual End 1/4" & 1/8"

DD-DET250-12-100 1/4" x 100' Soaker Hose 12" Spacing 1/2 GPH Dripline Emitters - Black Tubing

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