

MICRO IRRIGATION

Product Overview

Built on Innovation®

Hunter®



MICRO IRRIGATION SOLUTIONS

Hunter offers a wide range of micro and low-volume irrigation solutions that solve water application challenges for the world's residential and commercial markets.

Driven by the specific needs of landscape irrigation, innovative Hunter micro irrigation products are designed to provide increased accuracy, control, and reliability.

Choose from five major product categories, depending on the needs of your specific project application:

- Drip Control Zone Kits
- Surface and subsurface solutions
- Dripline fittings
- Emission devices
- Micro accessories

Hunter products provide unmatched distribution uniformity in a world where conserving water is of the highest value.



hunter.info/micro

Make the most of your micro irrigation design with the easy-to-use Hunter Dripline Calculator.



hunter.info/dripcal



APPLICATION CHART

Use this chart to choose the combination of products best suited for your application and plant type.

	LOW WATER	SPARSE PLANTING	GROUND COVER	TURF	DENSE PLANTINGS	SHRUBS	TREES
0"							
12"							
24"							
Good	-	Micro Spray	Hunter Dripline	Hunter Dripline	Hunter Dripline	Hunter Dripline	PSE
Better	Micro Spray	PSE	Eco-Wrap®	Eco-Wrap	Eco-Wrap	Eco-Wrap	IH Riser
Best	PSE	IH Riser	Micro Spray	Eco-Mat®	Eco-Mat	Eco-Mat	RZWS

Notes: Improve any plan with Hunter's Rigid Risers, PE Tubing, Multi-Port Emitters, PLD-LOC Fittings and other accessories.

DRIP CONTROL ZONE KITS

PCZ: DESIGNED FOR RESIDENTIAL AND LIGHT COMMERCIAL USE



The PCZ Drip Control Zone Kit combines the popular PGV Valve with the most durable and robust pressure-regulating filter on the market. This preassembled kit comes standard with a stainless steel screen and either a 25 or 40 PSI regulator. With a shorter length than typical control zone components, more space is available in the valve box.

- Factory-assembled kit minimizes labor in the field
- Superior quality components ensure high performance
- Preassembled kit speeds installation
- 150-mesh (100-micron) stainless steel screen for durability
- One model available: 1" inlet and 3/4" outlet

PRODUCT SPECIFICATIONS

Flow	0.5 to 15 GPM
Working Pressure	20 to 120 PSI
Warranty	2 years



PCZ



APPLICATION

DRIP CONTROL ZONE KITS

ACZ: DESIGNED FOR RESIDENTIAL USE



Featuring the anti-siphon version of the PGV Valve, the ACZ Drip Control Zone Kit comes preassembled with the most robust filter regulator on the market. A stainless steel screen and either a 25 or 40 PSI regulator come standard. ACZ Kits are also UV-protected to handle above-ground installations.

- Convenient kit includes all necessary parts
- Superior quality components ensure high performance
- Preassembled kit speeds installation
- 150-mesh (100-micron) stainless steel screen for durability
- Two models available: 3/4" inlet x 3/4" outlet and 1" inlet x 3/4" outlet

PRODUCT SPECIFICATIONS

Flow	0.5 to 15 GPM
Working Pressure	20 to 120 PSI
Warranty	2 years



ACZ



DRIP CONTROL ZONE KITS

ICZ: DURABLE AND CONVENIENT KITS DESIGNED FOR COMMERCIAL USE



Top-of-the line ICZ-101 Drip Control Zone Kits are designed for rugged commercial use and feature the Hunter ICV Valve. Each kit comes standard with the Filter Sentry® Mechanism and a longer stainless steel filter screen. For smaller commercial projects, Hunter offers a low-flow kit with a regulating-filter body featuring a stainless steel screen. The Filter Sentry Mechanism is not included in the valve with this kit. Both kits are available with either 25 or 40 PSI regulation.

- Factory-assembled kit minimizes labor in the field
- Superior quality components ensure high performance
- Filter Sentry Mechanism screen cleaning system prevents clogs (except on "LF" model)
- Wide flow range covers most micro irrigation applications
- 150-mesh (100-micron) stainless steel screen for durability

ICZ-101 PRODUCT SPECIFICATIONS

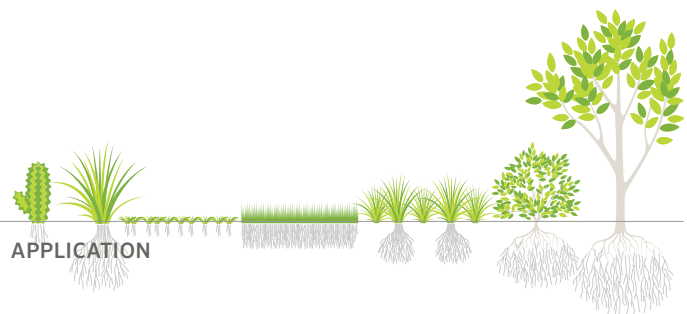
Flow	2 to 20 GPM
Working Pressure	Up to 120 PSI
Sizing	1" inlet x 1" outlet
Warranty	5 years

ICZ-101-LF PRODUCT SPECIFICATIONS

Flow	0.5 to 15 GPM
Working Pressure	Up to 120 PSI
Sizing	1" inlet x ¾" outlet
Warranty	5 years



ICZ-101-LF



DRIP CONTROL ZONE KITS

ICZ: DURABLE AND CONVENIENT KITS DESIGNED FOR COMMERCIAL USE



The ICZ-151 and ICZ-201 Drip Control Zone Kits are designed for rugged commercial use and feature the Hunter ICV Valve for high and extremely high flow. Both kits come standard with the Filter Sentry Mechanism, a longer stainless steel filter screen, and 40 PSI pressure regulation.

- Factory-assembled kit minimizes labor in the field
- Superior quality components ensure high performance
- Filter Sentry Mechanism screen cleaning system prevents clogs
- Highest flow options in the industry or managing demanding commercial applications
- 150-mesh (100-micron) stainless steel screen for durability
- Disc filter available: 120 mesh (125 microns)

ICZ-151 PRODUCT SPECIFICATIONS

Flow	20 to 80 GPM
Working Pressure	Up to 120 PSI
Sizing	1½" inlet x 2" outlet
Warranty	5 years

ICZ-201 PRODUCT SPECIFICATIONS

Flow	20 to 100 GPM
Working Pressure	Up to 120 PSI
Sizing	2" inlet x 2" outlet
Warranty	5 years



ICZ-201



APPLICATION

BRASS VALVE DRIP CONTROL ZONE KITS

IBZ: HEAVY-DUTY CONTROL ZONE KITS FOR THE FIERCEST IRRIGATION CONDITIONS



For the demanding requirements of commercial job sites, Hunter's heavy-duty brass IBZ-101 Drip Control Zone Kits are the most dependable solutions in the industry. The convenient kits offers the superior performance of the Hunter IBV Brass Valve along with a stainless steel filter and pressure regulator that ensures a consistent 25 or 40 PSI.

- Superior quality components ensure high performance
- Filter Sentry Mechanism screen cleaning system prevents clogs
- Ability to handle extremely low flows; suitable for drip irrigation
- Wide flow range covers most micro irrigation applications

IBZ-101 PRODUCT SPECIFICATIONS

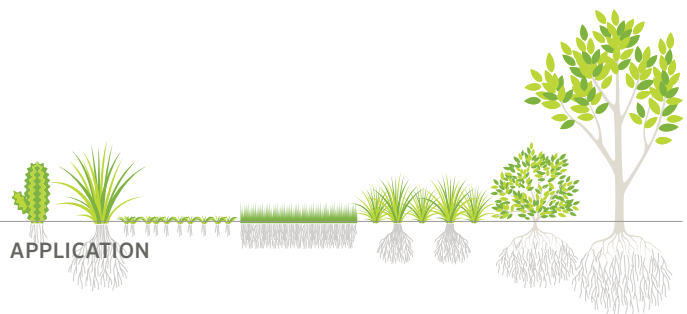
Flow	2 to 20 GPM
Working Pressure	Up to 120 PSI
Sizing	1" inlet x 1" outlet
Warranty	5 years

IBZ-101-LF PRODUCT SPECIFICATIONS

Flow	0.5 to 15 GPM
Working Pressure	Up to 120 PSI
Sizing	1" inlet x 3/4" outlet
Warranty	5 years



IBZ-101



BRASS VALVE DRIP CONTROL ZONE KITS

IBZ: HEAVY-DUTY CONTROL ZONE KITS FOR THE FIERCEST IRRIGATION CONDITIONS



The heavy-duty brass IBZ-151 and IBZ-201 Drip Control Zone Kits are designed to handle tough commercial applications requiring high and extremely high flow. Both kits include the top-performing Hunter IBV Brass Valve, a stainless steel filter, and 40 PSI pressure regulator, making these convenient kits two of the most dependable solutions in the industry.

- Superior quality components ensure high performance
- Filter Sentry Mechanism screen cleaning system prevents clogs
- Highest flow options in the industry for managing demanding commercial applications
- Wide flow range covers most micro irrigation applications
- 150-mesh (100-micron) stainless steel screen for durability
- Disc filter available: 120 mesh (125 microns)

IBZ-151 PRODUCT SPECIFICATIONS

Flow	20 to 80 GPM
Working Pressure	Up to 120 PSI
Sizing	1½" inlet X 2" outlet
Warranty	5 years

IBZ-201 PRODUCT SPECIFICATIONS

Flow	20 to 100 GPM
Working Pressure	Up to 120 PSI
Sizing	2" inlet X 2" outlet
Warranty	5 years



IBZ-201



CONTROL ZONE KIT COMPARISON



TOP FEATURES	Hunter PCZ/ ACZ Kits	Hunter ICZ Kits	Hunter IBZ Kits
Preassembled to save time	●	●	●
Robust, stainless steel screen	●	●	●
Top-rated Senninger® pressure regulator	●	●	●
Valves 100% water-tested	●	●	●
Regulators 100% water-tested	●	●	●
Low friction loss	●	●	●
Reclaimed components	●	●	●
Capability of disc filtration		●	●
Highest system flow (100 GPM)		●	●

QUICK SPECS

Pressure Regulation (PSI)	25 or 40	25 or 40	25 or 40
System Flow (GPM)	Low (0.5 To 15)	Medium to High (2 to 100)	Medium to High (2 to 100)
Operating Pressure (PSI)	Up to 120	Up to 120	Up to 120

APPLICATIONS

Residential	●		
Commercial	●	●	●
Potable Water		●	●
Secondary Water			●

ECO-MAT[®] SYSTEM

A BOLD INNOVATION IN SUBSURFACE IRRIGATION



The Eco-Mat System is a cutting-edge subsurface irrigation solution made with high quality, fleece-covered Hunter Dripline (HDL) that is attached to a capillary mat. This special fleeced mat moves the water through any type of soil — even inconsistent ones — and promotes longer root growth and healthier plants.

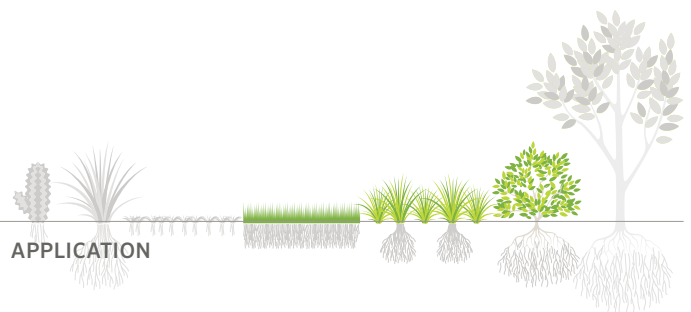
- Saves water with nearly 100% distribution uniformity
- Promotes healthier plant roots
- Eliminates overspray onto sidewalks, buildings, and vehicles
- Perfect for irrigating difficult areas
- Use with PLD-LOC or PLD Barb Fittings

PRODUCT SPECIFICATIONS

Flow	0.6 GPH
Working Pressure	15 to 50 PSI
Minimum Filtration	120 mesh
Warranty	5 years



ECO-MAT
100', and 295' lengths



ECO-WRAP® SYSTEM

A STEP UP FROM STANDARD DRIPLINE FOR SUBSURFACE APPLICATIONS



Hunter Dripline (HDL) performs extremely well at grade. With subsurface applications, however, higher distribution uniformity through fleece-wrapping is a better solution. The Eco-Wrap System uses the capillary action of the fleece wrap to spread the water quickly and more efficiently through the soil. If the goal is to save water and money, Eco-Wrap has been proven to outperform bare dripline.

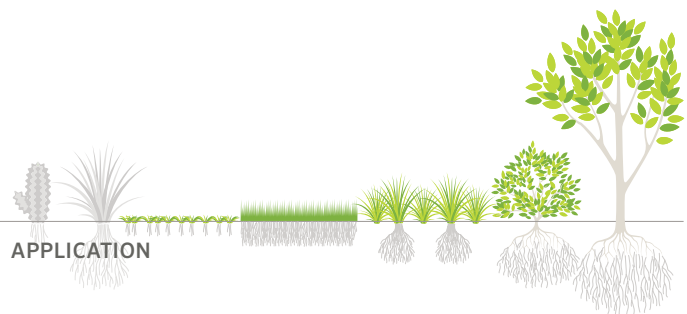
- High distribution uniformity surpassed only by the Eco-Mat System
- Promotes healthier plant roots
- Eliminates overspray onto sidewalks, buildings, and vehicles
- Ideal for difficult areas between flagstones and pavers
- Use with PLD-LOC or PLD Barb Fittings

PRODUCT SPECIFICATIONS

Flow	0.6 GPH
Working Pressure	15 to 50 PSI
Minimum Filtration	120 mesh
Warranty	5 years



ECO-WRAP
250' length



HUNTER DRIPLINE

BUILT FOR RELIABILITY AND EFFICIENCY



Hunter Dripline (HDL) is an efficient solution for dense plantings and gardens all around the world. With built-in check valve emitters, HDL delivers water slowly and evenly for consistent distribution. While its primary use is at grade, it can also be used subsurface when required.

- Three pressure-compensating options: HDL-PC (standard), HDL-CV (includes check valve), HDL-R (reclaimed applications)
- Pressure-compensating emitters for uniform distribution
- Color-coded stripes to easily identify flow in the field
- Emitter spacing at 12", 18", and 24"
- Tubing diameter: 0.660" (OD) x 0.560" (ID); Wall thickness 0.050"
- Strong UV resistance for long life
- Stretch-wrapped 100', 250', and 500' coils make handling easy and efficient
- Available without emitters (blank)
- Emitter inlet filtration and extra-wide flow labyrinth prevent clogging

PRODUCT SPECIFICATIONS

Flow	0.4, 0.6, or 0.9 GPH
Working Pressure	10 to 60 PSI
Minimum Filtration	120 mesh
Warranty	5 years (plus 2 additional years for environmental stress cracking)

- Full-size outlet pool and raised wall stop debris and roots from entering the emitter
- Check valves keep the line charged up to 6' and prevent low-point drainage (HDL-CV only)



HDL
100', 250', 500', and 1,000' lengths



ECO-INDICATOR

CONFIRM SYSTEM OPERATION AND ADEQUATE PRESSURE WITH THIS HANDY VISUAL TOOL



The Eco-Indicator is a robust device that indicates when the system is in operation. Once the pressure exceeds the threshold, the riser pops up, displaying a bright yellow or reclaimed purple stem. The commercial-grade body attaches to either polyethylene or PVC through a 1/2" NPT connection, thus avoiding 1/4" tubing. This adds durability to the system that no other indicator can boast. When the system is not active, the Eco-Indicator returns to its retracted state flush to the ground.

- Visible bright yellow or reclaimed purple riser stem and cap indicate when system is in operation
- Stem pops up when pressure exceeds the threshold and, conversely, assists in confirming low pressures if not raised
- Connects via bottom or side inlet ports for easy installation; side inlet port is available on 12" version

ICZ-151 PRODUCT SPECIFICATIONS

Working Pressure	70 to 100 PSI
Sizing	1/2" inlet
Warranty	2 years on ECO-ID and 5 Years on ECO-ID-12/ 12-R



ECO-ID, ECO- ID-12, ECO- ID-12-R

PLD-LOC

PREMIUM THREADED FITTINGS

Hunter PLD-LOC Fittings are sturdy, easy to use, and designed to fit multiple sizes of tubing and dripline.

- Dual barb system provides a stronger hold than traditional fittings
- Ideal for use with Hunter Dripline and Eco-Mat or Eco-Wrap Systems
- Fits multiple sizes of dripline and tubing (inside diameter range from 0.520" to 0.620")
- Brown color to match Hunter Dripline
- No clamps necessary

17 MM BARB

RELIABLE BARBED FITTINGS

Hunter barbed fittings are simple to use and work well with Hunter Dripline and Eco-Wrap or Eco-Mat Systems.

- Double barb provides the strongest connection
- Durable acetal plastic for long life
- Fit standard 17 mm dripline
- Brown color matches dripline



PLD-LOC TEE
LOC Tee



PLD-LOC CPL
LOC Coupler



PLD-TEE
17 mm Barb Tee



PLD-CPL
17 mm Barb Coupling



PLD-LOC ELB
LOC Elbow



PLD-LOC 050
1/2" MPT x LOC



PLD-ELB
17 mm Barb Elbow



PLD-050
1/2" MPT x 17 mm Barb



PLD-LOC 075
3/4" MPT x LOC



PLD-LOC CAP
End Cap x LOC



PLD-075
3/4" MPT x 17 mm Barb



PLD-CAP
17 mm Barb x 1/2" MPT with Cap



PLD-LOC FHS
3/4" Female Hose Swivel x LOC



PLD-BV
17 mm Barb Shut-Off Valve



PLD-075-TBTEE
17 mm Barb Tee x 3/4" FPT



PLD-AVR
1/2" Air/Vacuum Relief Valve

MINI LANDSCAPE DRIPLINE

FLEXIBLE DRIPLINE FOR SMALL SPACES



Mini Landscape Dripline (MLD) is used for shorter runs, raised planters and pots, and small landscaping beds. When ½" dripline is too large for an area, consider using this ¼" version that features even greater flexibility. Non-pressure-compensating emitters are spaced at either 6" or 12" intervals inside a black or brown tube.

- Perfect for short runs and planters
- 100' and 250' rolls
- 6" or 12" emitter spacing
- 250' rolls uncoil from the inside of the roll for easy, no-hassle dispensing
- Offered in both brown or black to blend into landscapes
- Use with standard 6 mm barb fittings

PRODUCT SPECIFICATIONS

Flow	0.65 GPH at 25 PSI, 0.80 GPH at 40 PSI
Working Pressure	10 to 40 PSI
Minimum Filtration	150 mesh
Warranty	2 years



QB-TEE
¼" Barb Tee



QB-CPL
¼" Barb Coupling



QB-ELB
¼" Barb Elbow



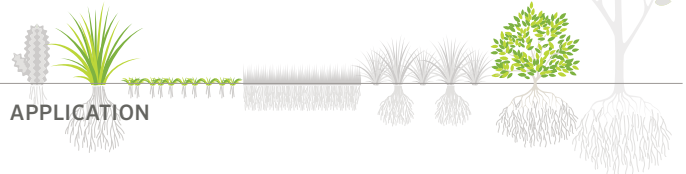
QB-CRS
¼" Barb Cross



GP-025
Goof Plug



MLD
100' and 250' lengths



APPLICATION

POINT-SOURCE EMITTERS

THE RIGHT AMOUNT OF WATER APPLIED DIRECTLY TO THE PLANT



Hunter pressure-compensating emitters provide accurate irrigation directly to the root zone of the plant. They are available in three convenient styles: ¼" barb, 10-32 thread, and ½" female pipe thread (FPT). All models have flows of 0.5, 1.0, 2.0, 4.0, and 6.0 GPH.

- Pressure-compensating for uniform distribution
- Color-coded by flow for easy identification in the field
- Three inlet variations: ¼" barb, 10-32 thread, and ½" FPT
- Coined edges for easy grip
- Self-piercing barb for easy installation
- Optional diffuser cap
- Self-flushing diaphragm to prevent clogs



POINT-SOURCE EMITTERS

● 0.5 ● 1.0 ● 2.0 ● 4.0 ● 6.0 GPH

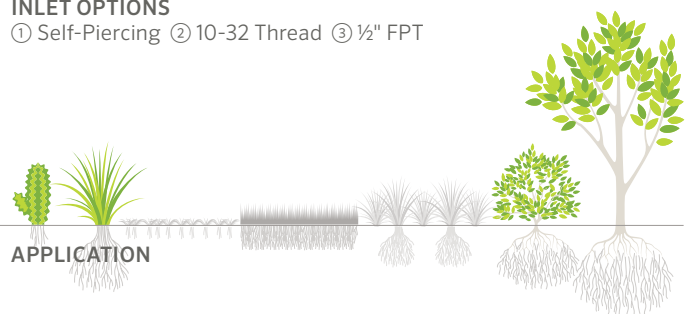
PRODUCT SPECIFICATIONS

Flow	0.5, 1.0, 2.0, 4.0, 6.0 GPH
Working Pressure	20 to 50 PSI
Minimum Filtration	150 mesh
Warranty	2 years



INLET OPTIONS

① Self-Piercing ② 10-32 Thread ③ ½" FPT



MULTI-PORT EMITTERS

MULTIPLE POINTS FOR GROUP PLANTINGS



Hunter pressure-compensating Multi-Port Emitters (MPEs) are designed with six ports per emitter to irrigate groups of plants from one source. They have the same color coding as the single-port emitters in flows of 0.5, 1.0, and 2.0 GPH. A gray Multi-Port Manifold is also available, offering six ports of unhindered flow. Vinyl plugs are provided to cover any unused ports. The inlet port is ½" FPT and the emitters may be used with any commercial drip system.

- Unused ports may be closed using vinyl emitter caps
- Pressure-compensating for uniform distribution
- Perfect for mixed plantings or series of shrubs
- Flows are color-coded to match other Hunter emitters
- ½" FPT
- Commercial-grade for all PVC systems
- Multi-Port Manifold provides unrestricted flow for each outlet

PRODUCT SPECIFICATIONS

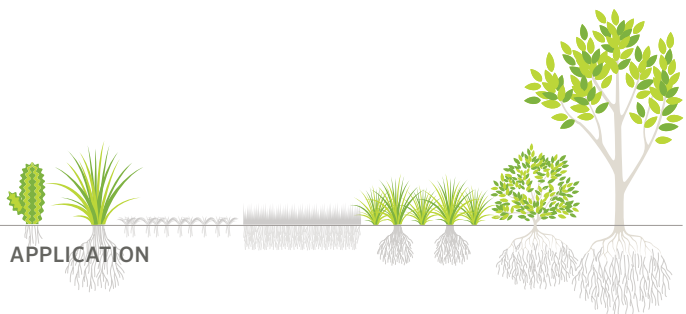
Flow	0.5, 1.0, 2.0 GPH
Working Pressure	5 to 65 PSI
Minimum Filtration	150 mesh
Warranty	2 years



VINYL PLUGS



MULTI-PORT EMITTERS
 ● 0.5 ● 1.0 ● 2.0



IH RISERS

HEAVY-DUTY, COMMERCIAL-GRADE RISERS FOR FLEXIBLE, LONG-LASTING PERFORMANCE



IH Risers are a heavy-duty, commercial-grade answer to point-source irrigation. Made of highly flexible PVC, IH Risers can be used below grade or at grade. Their brown color blends well into the surrounding landscape, and various configurations provide flexibility to fit your irrigation needs.

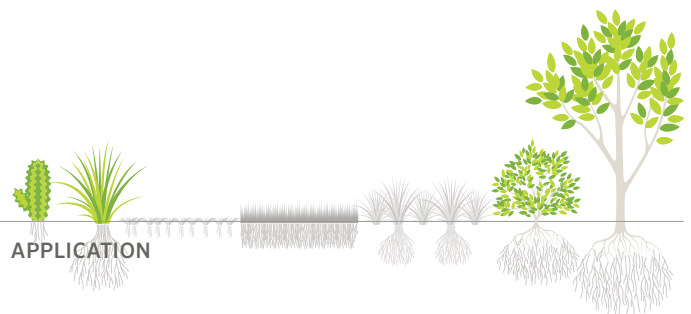
- Heavy-duty, commercial-grade, vandal-resistant design ensures long-lasting performance
- Accepts any ½" FPT emitter
- Available as components for self-assembly only
- Ideal for slopes
- Works well for at-grade or below-grade installation

PRODUCT SPECIFICATIONS

Working Pressure	60 PSI
Minimum Filtration	150 mesh
Warranty	2 years



IH RISERS
 6", 12", 18", 24", and 36" lengths
 ● 0.5 ● 1.0 ● 2.0 ● 4.0 ● 6.0 GPH



RIGID RISERS

INCREASED HEIGHT FOR BETTER COVERAGE



Made from high-density polyethylene, Hunter Rigid Risers connect directly to PVC or standard polyethylene tubing depending on the configuration. Rigid Risers allow you to increase the height of your emitter or spray to cover areas such as annual flower beds.

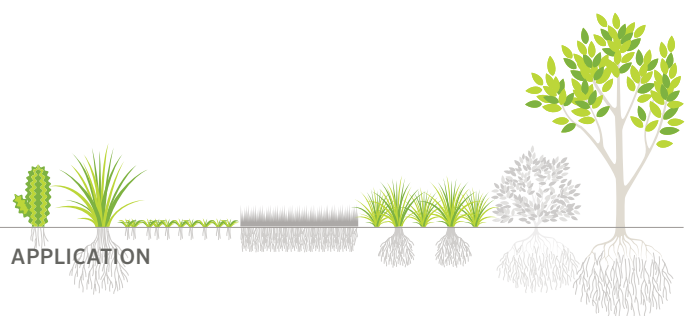
- For rugged system designs
- Accepts 10-32 threaded components
- Perfect for annual flower beds and planters
- Inlet configurations: ½" FPT, ¼" barb, or blank
- HDPE construction

PRODUCT SPECIFICATIONS

Working Pressure	Up to 50 PSI
Warranty	1 year



RIGID RISER
12" lengths



MICRO SPRAYS

CLOSE-IN OR BROADCAST COVERAGE



Micro Sprays offer flexibility in irrigation by providing a range of flows and diameters. Hunter offers three different varieties: Solo-Drip, Halo-Spray, and Trio-Spray. Each offers a unique method of irrigation whether the need is for small coverage, greater coverage, or within pots and containers.

- Use in pots, gardens beds, and landscaped areas
- Adjustable distance and flow for precise irrigation
- Use 10-32 threaded spray on top of Rigid Risers for good overhead coverage
- All products are available on 1/4" barb, 10-32 thread, or 6" stake

PRODUCT SPECIFICATIONS

Flow	0 to 28 GPH
Working Pressure	15 to 30 PSI
Minimum Filtration	100 mesh
Warranty	1 year



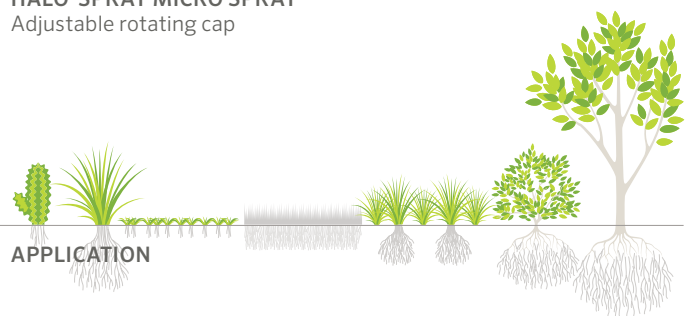
SOLO-DRIP MICRO SPRAY
8 precise streams



HALO-SPRAY MICRO SPRAY
Adjustable rotating cap



TRIO-SPRAY MICRO SPRAY
Built-in control valve: 90°, 180°, and 360°



SUPPLY AND DISTRIBUTION TUBING

POLYETHYLENE PROFESSIONAL TUBING



Hunter offers thick-walled, UV-resistant ½" polyethylene supply tubing and ¼" distribution line in both vinyl and polyethylene. These durable products perform well in all climates and provide greater flexibility than standard PVC.

½" Supply Tubing

- 0.700" outside diameter x 0.600" inside diameter
- Connect using PLD-LOC Fittings
- Made with linear low-density, UV-resistant polyethylene
- Thick-walled, commercial-grade tubing for durability

¼" Distribution Tubing

- 0.250" outside diameter x 0.170" inside diameter
- Connect using standard ¼" fittings
- Offered in vinyl or polyethylene
- UV-resistant materials extend tubing life
- Polyethylene is a better choice in warm climates
- Vinyl is more flexible and useful in cold climates

PRODUCT SPECIFICATIONS

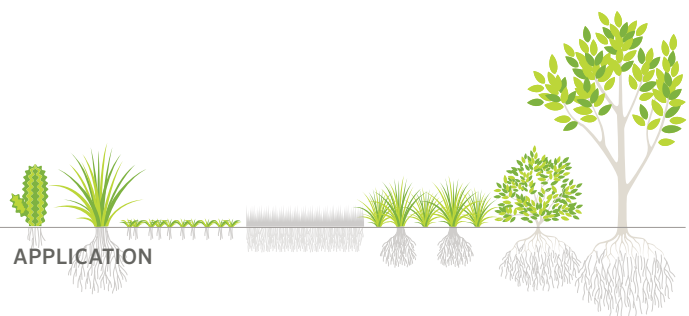
Working Pressure	60 PSI
Warranty	1 year



¼" (VINYL OR PE) TUBING
100', 250', and 1,000' lengths



½" (PE) TUBING
100', 250', 500', and 1,000' lengths



ROOT ZONE WATERING SYSTEM

APPLIES WATER DIRECTLY TO THE ROOT ZONE FOR HEALTHIER TREES AND SHRUBS



For young plants and trees to thrive, they need adequate irrigation and a steady exchange of oxygen at all levels of the root zone. This encourages deep root growth, allowing the plant to fully establish itself. Developed to meet this challenge, the Root Zone Watering System (RZWS) features Hunter's patented StrataRoot™ Baffle System, a series of baffles that delivers water to multiple levels of the root zone.

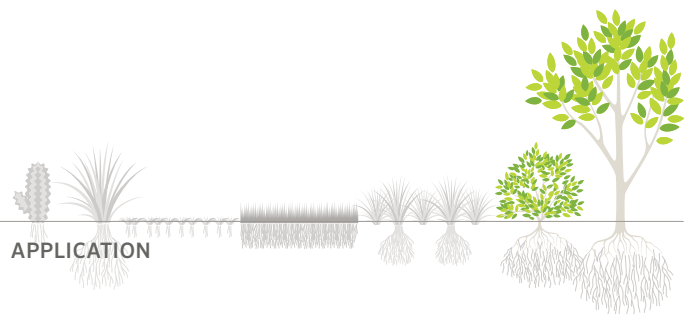
- Built-in Hunter Swing Joint for direct installation to ½" PVC fitting
- Hunter pressure-compensating bubbler for precise watering
- Preassembled watering system for fast installation
- Patented StrataRoot baffles divert water to root zone while adding strength to the unit
- Vandal-proof locking cap prevents system damage
- Optional check valve prevents low-head drainage

PRODUCT SPECIFICATIONS

Flow	0.25 or 0.50 GPM
Working Pressure	15 to 70 PSI
Warranty	2 years



RZWS
10", 18", and 36" heights



APPLICATION



Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

A white, handwritten signature of Gregory R. Hunter.

Gregory R. Hunter, CEO of Hunter Industries

A white, handwritten signature of Gene Smith.

Gene Smith, President, Landscape Irrigation and Outdoor Lighting

Website hunterindustries.com | **Customer Support** 1-800-383-4747 | **Technical Service** 1-800-733-2823