DRIP IRRIGATION SYSTEMS FOR GREENHOUSES
Toro® White Spider Assemblies represent the highest quality drip irrigation for high value crops.

- The tubing resins are selected to provide high durability, high reflection, flexibility, and ease of cleaning.
- The emitters and fittings are built to last for many crop cycles, retaining their very high level of accuracy.

ANGLE TURBO STAKE
- Superior accuracy
- Large, sturdy filter

BLUE STRIPE® POLY HOSE
- White exterior over black core
- Toro quality
- Available pre-punch

DIAMOND WHITE MICRO TUBE
- Looks clean—stays clean
- Superior resistance to stretching
- High flexibility

NGE® Emitter
- GPH: 0.5, 0.8, 1.2
- LPH: 2, 3, 4, 8
- Superior accuracy
- Highly reliable
- Anti-drain for pulsing applications
WHITE SPIDER ASSEMBLIES

**DRIPPER STAKE ASSEMBLY**

- DWST1-24-02AL - - - - 0.5 gph 24”
- DWST1-30-02AL - - - - 0.5 gph 30”
- DWST1-24-03AL - - - - 0.8 gph 24”
- DWST1-30-03AL - - - - 0.8 gph 30”

**1-WAY SPIDER**

- DWST1-18 - - - - 18”
- DWST1-24 - - - - 24”
- DWST1-30 - - - - 30”

* use with all flows NGE emitters

**2-WAY SPIDER**

- DWST2Q-18 - - - - 2 Way 18”
- DWST2Q-24 - - - - 2 Way 24”
- DWST2Q-30 - - - - 2 Way 30”
- DWST2Q-36 - - - - 2 Way 36”

** use with 0.5, 0.8, or 1 gph NGE emitters

**4-WAY SPIDER**

- DWST4Q-18 - - - - 4 way 18”
- DWST4Q-24 - - - - 4 way 24”
- DWST4Q-30 - - - - 4 way 30”
- DWST4Q-36 - - - - 4 way 36”
- DWST4Q-1830 - - - - 4 way 18” & 30”
- DWST4Q-2436 - - - - 4 way 24” & 36”

*** use with 1 or 2 gph NGE emitters
looks Clean

Brilliant White:
- High visibility
- Highly reflective
- Completely opaque

Stay-Clean Shine:
- High gloss finish
- Easy to clean & keep clean

Resists Stretching & Kinking:
- Tough exterior layer adds durability, but retains ultra-flexibility

Both white PE & diamond white micro tube have a bright white layer over an opaque black core

White Blue Stripe© High Quality Polyethylene Pipe:
- Many sizes available pre-punch

Every Component Designed for Durability & Ease of Use

Viewport to observe if actively dripping

Robust construction resistant to UV & harsh chemicals

Remains rigid without breaking

Sturdy ribs retain shape during insertion

Works reliably in difficult water conditions
COMPONENTS

STAKES

(A) Barbed Angle Stake - - - - - - - IPST0301BQ
(B) Clip Angle Stake - - - - - - - IPS0301OSW

USED IN SINGLE STAKE ASSEMBLIES

(C) Straight Turbo Stake - - - - - - - IPST0301
(D) Angle Turbo Stake - - - - - - - IPST0301Q

GOODS FOR

(A) Elbow Dripper Adapter - - - - - - FBS1E
(B) Tee Dripper Adapter- - - - - - FBS2
(C) 4-Way Cross Dripper Adapter - - - - FBST4-X

MICRO TUBING

DIAMOND WHITE MICRO TUBE
(3mm ID - 5mm OD)

1,000’ Reel - - - - - - - WHDT0335-100
12” Precut Tube - - - - - - SFHWT0335-12
18” Precut Tube - - - - - - SFHWT0335-18
24” Precut Tube - - - - - - SFHWT0335-24
30” Precut Tube - - - - - - SFHWT0335-30
36” Precut Tube - - - - - - SFHWT0335-36

TUBING

WHITE BLUE STRIPE® POLY TUBING

16mm (.615” ID - .705” OD) 500 Roll - - - - WHD1645-50
20mm (.805” ID - .919” OD) 500 Roll - - - - WHD2057-50

* Additional diameters and wall thicknesses available.
Please see our website, toro.com/agriculture or call customer service 1 (877) 373-0087 or -1 (619) 596-2495
NGE® EMITTERS

- Pressure compensating drippers with self flushing mechanism deliver a precise flow to each plant, season after season
- Check valve feature prevents line drainage, enabling efficient pulse irrigation
- Highly resistant to chemicals and low pH: polyethylene body and silicone diaphragm work with a wide range of fertilizers and line cleaners
- Sturdy construction resists physical damage

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TECH SPECS:
- Opening pressure: 10-12 psi
- Closing pressure: 3.5-5 psi
- Recommended filtration: 140 mesh

**BARBED OUTLET**
Connects directly to diamond white micro tube
- DPCT02-3-AL-BLUE - 0.5 gph (2 lph)
- DPCT03-3-AL-GRN - 0.8 gph (3 lph)
- DPCT04-3-AL-BLK - 1.1 gph (4 lph)

**MALE ADAPTER OUTLET**
Connects directly to white spider assemblies
- DPCT02-MA-AL-BLUE - 0.5 gph (2 lph)
- DPCT03-MA-AL-GRN - 0.8 gph (3 lph)
- DPCT04-MA-AL-BLK - 1.1 gph (4 lph)
- DPCT08-MA-AL-RED - 2.1 gph (8 lph)
AUTOMATION VALVES & CONTROLLERS

TORO AG SERIES 100 VALVES

- Nylon construction for maximum strength and durability
- Can be mounted either straight or angle
- Adjustable flow control
- Manual bleed to open

A-100P1 - - - 1" FPT Valve 24v AC
A-100P1.5 - - - 1.5" FPT Valve 24v AC
A-100P2 - - - 2" FPT Valve 24v AC
A-100P3 - - - 3" FPT Valve 24v AC

Operating Pressure: 20-220 psi

EVOLUTION* AG CONTROLLER

- Seconds, minutes, hours
  Program what you want
- Watering, misting, pulsing
  Water how you want
- Fertilizer injection
  The easy way
- Easy to program
  Mobile ready

EVO-4AG - - - 4 Station Controller
A-EMOD - - - 4 Station Expansion Module
A-EMOD-12 - - - 12 Station Expansion Module
A-EVO-SC - - - Smart Connect Plug-In Receiver
A-SMRT-T - - - Wireless Internet Gateway
A-EVO-HH - - - Wireless Handheld Controller
A-EVO-AR - - - Wireless Auxiliary Relay 110v

TORO AG PVC VALVES

- Economical, reliable operation, easy to service
- 1.5" & 2" can be mounted either straight, or angle

A-2400TF - - - 1" FPT PVC valve threaded bonnet 24v AC
A-2400S - - - 1" Slip PVC valve threaded bonnet 24v
ACA-205TF - - - 1" FPT PVC valve w/ flow control 24v AC
A-216B - - - 1.5" FPT PVC valve w/ flow control 24v AC
A-217B - - - 2" FPT PVC valve w/ flow control 24v AC

Operating Pressure:
  1": 10 to 150 psi;
  1.5" & 2": 20 to 150 psi

TORO AG 1" PRESSURE REGULATOR

- Handles very wide flow range: 0.1 gpm - 35 gpm
- Highly accurate, protects system, while optimizing hydraulic performance

A-T-PMR30 - - - 30 psi output
A-T-PMR40 - - - 40 psi output
120 psi max pressure
When we say Count on it, we mean it

With an expanding population, growers around the world are looking to technologies that help increase productivity of existing land and maximize precious water resources. Toro’s drip irrigation solutions help growers of permanent, field and row crops around the world realize substantial benefits in yield, quality, and water savings from the precise application of water and nutrients.

Visit toro.com or call (877) 373-0087 for more information or to find your local Toro dealer. Visit driptips.toro.com to learn more about drip irrigation and how it can help your farm.