



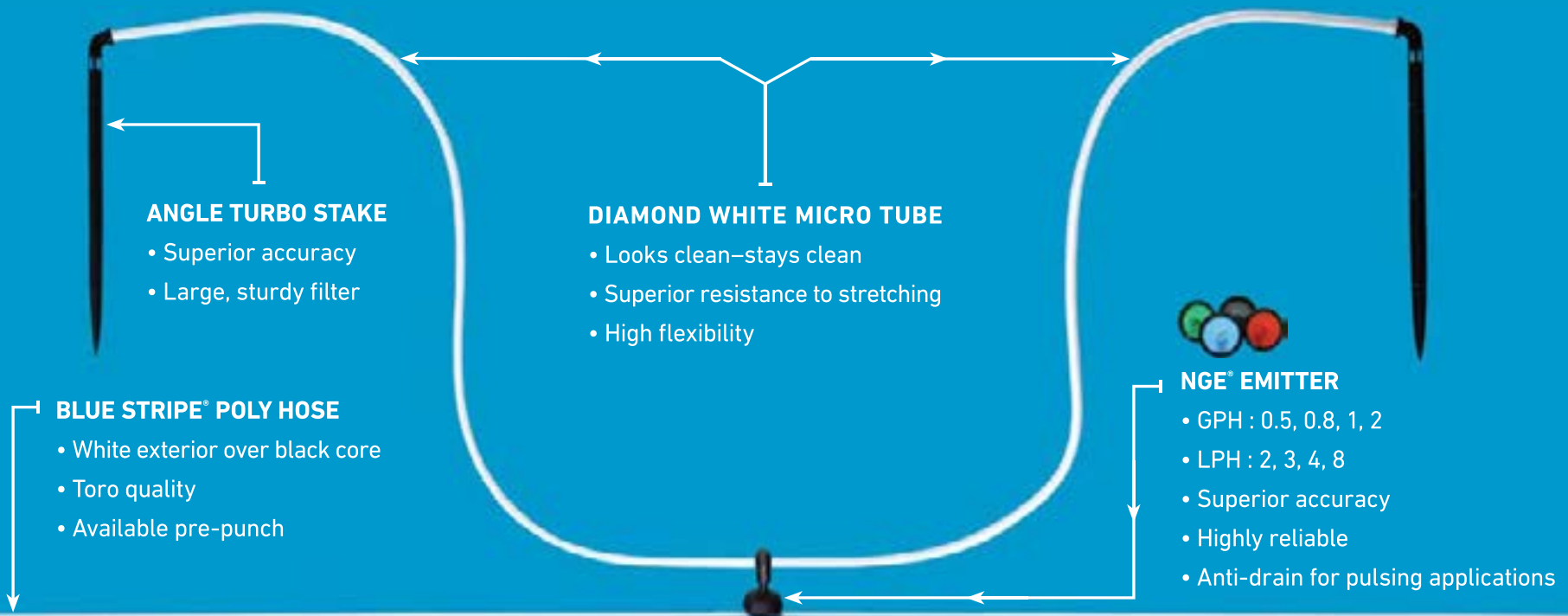
TORO[®]

DRIP IRRIGATION SYSTEMS FOR **GREENHOUSES**

WHITE SPIDER ASSEMBLIES

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.



WHITE SPIDER ASSEMBLIES



DRIPPER STAKE ASSEMBLY

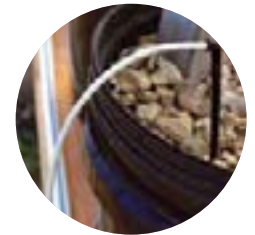
- DWST1-24-02AL - - - - - 0.5 gph 24"
- DWST1-30-02AL - - - - - 0.5 gph 30"
- DWST1-24-03AL - - - - - 0.8 gph 24"
- DWST1-30-03AL - - - - - 0.8 gph 30"



1-WAY SPIDER*

- DWST1-18 - - - - - 18"
- DWST1-24 - - - - - 24"
- DWST1-30 - - - - - 30"

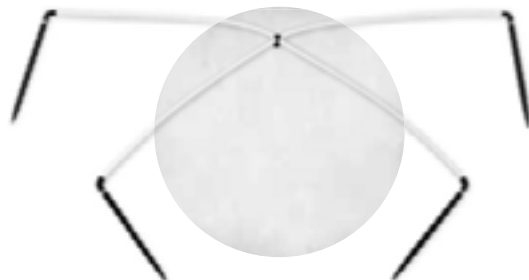
* use with all flows NGE emitters



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

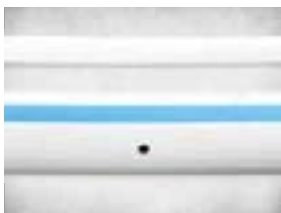
RESISTS STRETCHING & KINKING:

- 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 PE 20mm



White Micro Tubing 5/3mm

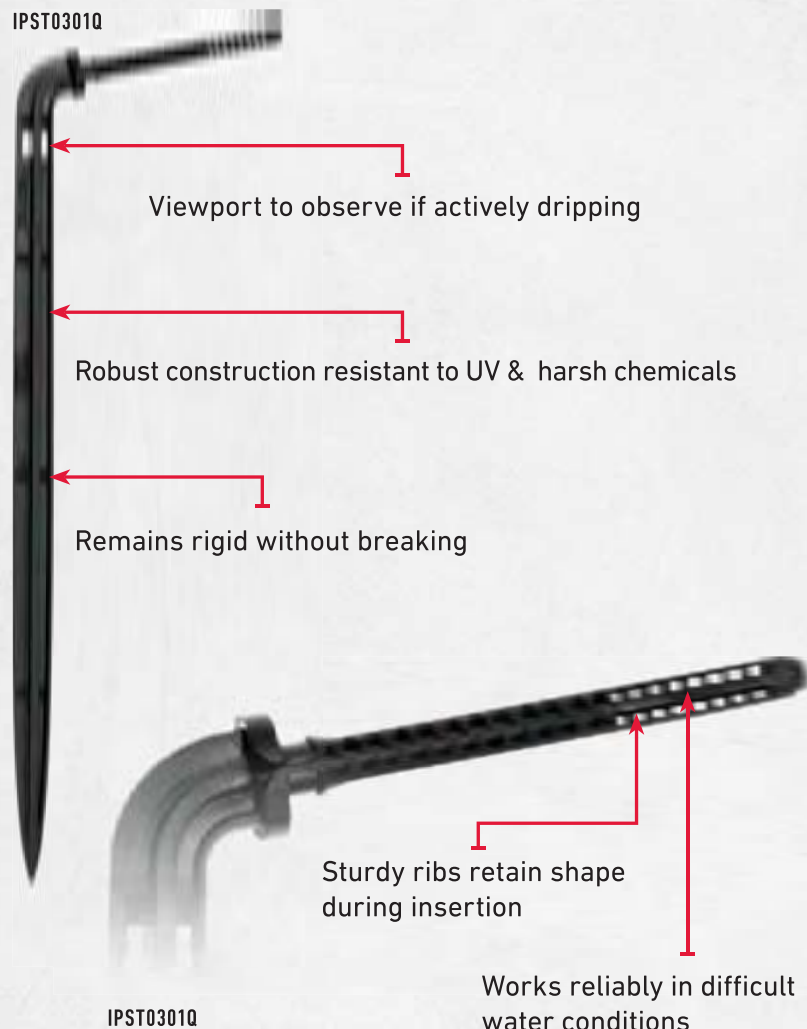
WHITE BLUE STRIPE® HIGH QUALITY POLYETHYLENE PIPE:

- Many sizes available pre-punch

STAYS CLEAN

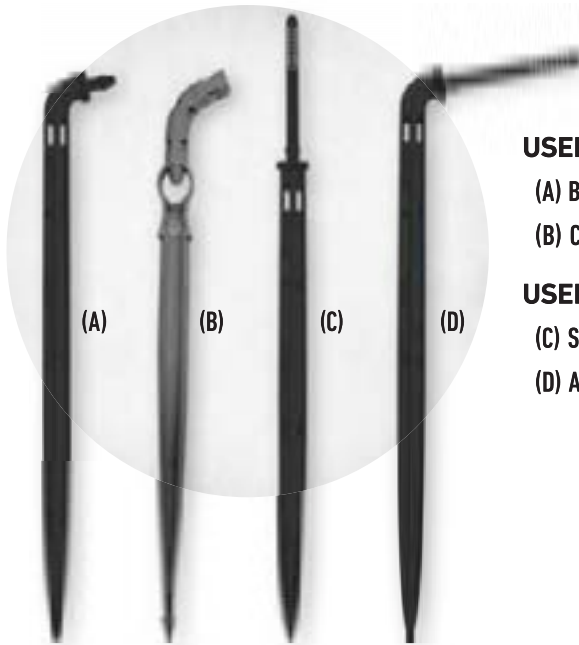
EVERY COMPONENT DESIGNED FOR DURABILITY & EASE OF USE

IPST0301Q



COMPONENTS

STAKES



USED IN SINGLE STAKE ASSEMBLIES

- (A) Barbed Angle Stake - - - - - IPST0301BQ
- (B) Clip Angle Stake - - - - - IPS03010SW

USED IN MULTI STAKE ASSEMBLIES

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



MICRO TUBING

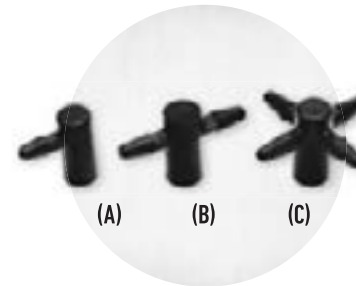


DIAMOND WHITE MICRO TUBE

(3mm ID - 5mm OD)

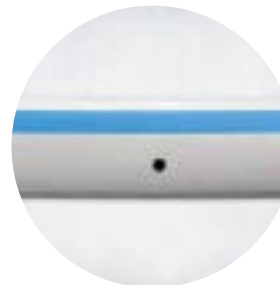
- 1,000' Reel - - - - - WHDT0335-100
- 12" Precut Tube - - - - - SFHWT0335-12
- 18" Precut Tube - - - - - SFHWT0335-18
- 24" Precut Tube - - - - - SFHWT0335-24
- 30" Precut Tube - - - - - SFHWT0335-30
- 36" Precut Tube - - - - - SFHWT0335-36

FITTINGS



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

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

FLOWS AVAILABLE

GPH	0.5	0.8	1.0	2.0
LPH	2	3	4	8
	Light Blue	Light Green	Grey	Light Red

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



For full technical details,
see: www.Toro.com/evolution-ag
or scan QR code

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.



Count on it.

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