

# Application Focus

High Value Greenhouse Production



**JOHN DEERE**  
WATER

**Drippers - Supertif**  
**System Knowledge - Flushing Lines**  
**Advantages - Snapeg**

## High Value Greenhouse Production

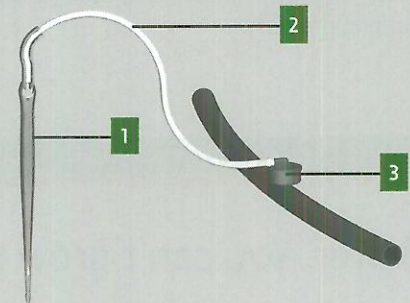
One of the most demanding applications for drippers is in the production of high value commercial crops like vegetables, flowers, and strawberries, especially when using hydroponic cultivation. The dripper must be able to repeat with superb accuracy, through tens of thousands of cycles, a consistent flow rate and accurate opening and sealing pressures.

The Supertif dripper has proven itself with over 20 years in high tech greenhouse applications in both soil

and hydroponic conditions.

Both academic and commercial comparisons in Europe, Africa, and North America have demonstrated the Supertif Dripper's superior performance. The strongest testimony is the rapidly expanding number of growers who are using the Supertif, and trusting their plants to its reliable performance.

## Supertif Assembly

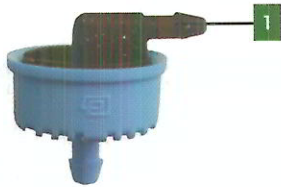


- 1 Snapeg
- 2 Tubing - White or Black
- 3 Supertif Dripper

[JohnDeereWater.com](http://JohnDeereWater.com)

# Specifications - Supertif Online Drippers

- Outstanding flow regulation
- Self-activated flushing mechanism.
- Manufactured with superior materials, for a long life.



## 1 Side Outlet Barb

Supertif Drippers feature a side outlet barb for horizontally connecting to the micro tube. The side outlet barb creates a much tighter, neater system than can be achieved with standard barb outlet. The benefit is fewer snagged tubes by plant-workers which results in fewer stressed plants.

Dripper	Base	Outlet Type	l/h	Outlet Color	Item Number
Supertif ND MOP	Light Blue	Side Outlet Barb	1,10	Light Gray	101003189
Supertif ND MOP	Blue	Side Outlet Barb	1,60	Dk. Grey	101003185
Supertif ND MOP	Light Blue	Side Outlet Barb	2,20	Brown	101018411
Supertif ND MOP	Blue	Side Outlet Barb	3,10	Blue	101003193
Supertif ND MOP	Light Blue	Side Outlet Barb	3,85	Black	101003196

See Supertif data sheets for entire product offering, including models with different operating, opening and sealing pressures.

Technical Data	
Operating pressure range:	1,15 to 3,5 Bar
Opening pressure:	0,69 Bar
Sealing pressure*:	0,20 Bar

NDH Model available with a sealing pressure of 0,35 bar, for applications with steeper slopes.

## Flushing Lines - Supertif Online Drippers

The Supertif ND MOP series has an opening pressure of 0,7 Bar. This higher opening pressure allows the system to be flushed at system startup. Before the first irrigation set of the day, the system is operated at 0,5-0,6 Bar. This is below the opening pressure of the drippers, so if the ends of the drip lines are open, the drip lines will be flushed, and the solution renewed. The system pressure is then brought up to the normal operating range (1,15-3,5 Bar), and irrigation begins. This daily flushing prolongs the life of the system, and ensures a fresh solution to each plant, every day.

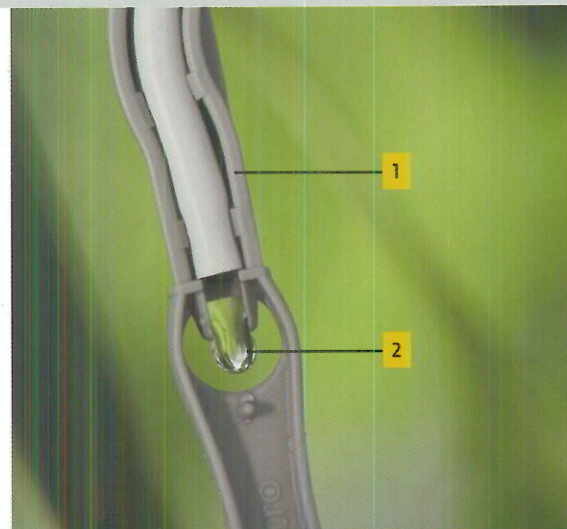
## Advantages - Snapeg

**1** Snapeg firmly attaches the peg to the micro tube, while allowing it to be easily detached, and re-attached.

Unlike a barb, which is a permanent attachment, the Snapeg can be detached for sterilization between crops, then easily re-attached, holding down costs.

**2** The Snapeg features a 'window' to view the droplet.

This provides quick, visual assurance to you that the system is working properly.



Water. You can't grow without it.

