

# POINT SOURCE EMITTERS

## SELF-PIERCING EMITTERS

With Check Valve

### APPLICATIONS

- For use with blank polyethylene tubing, Techline® HCVXR, CV, DL and RW
- Install on-surface or subsurface
- Wide-spaced plantings
- Tree planting
- Hanging baskets
- Flower boxes
- Planters or pots

### SPECIFICATIONS

- Flow rates: 0.5, 1.0 and 2.0 GPH
- Pressure compensation range: 10.15 to 58 psi
- Maximum pressure: 58 psi
- Uses 0.160" x 0.220" micro-tubing (Model EDTUBE - in black or white)
- Barb size: Inlet 0.160" - 0.170"  
Outlet 0.160"
- Recommended minimum filtration: 120 mesh

### FEATURES & BENEFITS

#### SELF-PIERCING BARB

Easy to install, no tools required. Optional insertion tool available.

#### 1.74 psi INTERNAL CHECK VALVE

Helps prevent low emitter drainage holding back up to a 3.9' column of water. Can be used with Techline HCVXR and CV Dripline.

#### ANTI-SIPHON OPERATION

Prevents contaminants from being drawn into the emitter.

#### PRESSURE COMPENSATING

Delivers the same flow from 10.15 to 58 psi.

#### SELF-CLEANING ACTION

Exclusive TurboNet® flow path design regulates flow and provides continuous self-cleaning action during operation.



**BLUE EMITTER**  
0.5 GPH



**BLACK EMITTER**  
1.0 GPH



**RED EMITTER**  
2.0 GPH

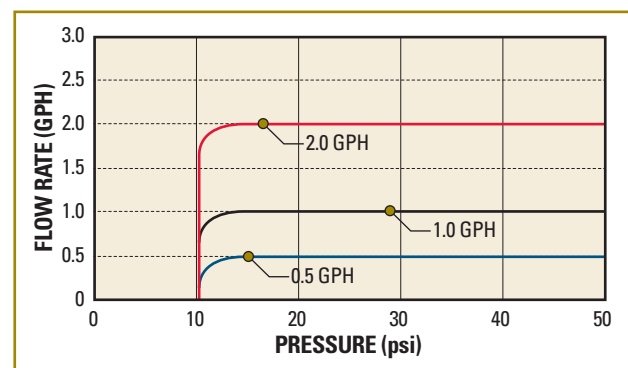


**INSERTION TOOL**  
Model SPDT

### ORDERING INFORMATION

| FLOW RATE | COLOR | BAG QUANTITY | MODEL NUMBER |
|-----------|-------|--------------|--------------|
| 0.5 GPH   | BLUE  | 25           | SPCV05-25    |
|           |       | 100          | SPCV05-100   |
|           |       | 250          | SPCV05-250   |
|           |       | 1,000        | SPCV05-1000  |
| 1.0 GPH   | BLACK | 25           | SPCV10-25    |
|           |       | 100          | SPCV10-100   |
|           |       | 250          | SPCV10-250   |
|           |       | 1,000        | SPCV10-1000  |
| 2.0 GPH   | RED   | 25           | SPCV20-25    |
|           |       | 100          | SPCV20-100   |
|           |       | 250          | SPCV20-250   |
|           |       | 1,000        | SPCV20-1000  |

### FLOW RATE VS. PRESSURE



# POINT SOURCE EMITTERS

## TECHFLOW EMITTERS

Pressure Compensating

### APPLICATIONS

- For use with systems with a wide range of pressure variations (14.5 to 58 psi)
- Install on-surface or subsurface
- Wide range of plant spacings
- Hanging baskets, flower baskets, pots, interiorscapes

### SPECIFICATIONS

- Flow rates: 0.5, 1.0 and 2.0 GPH
- Pressure compensation range: 14.5 to 58 psi
- Maximum pressure: 58 psi
- Uses 0.160" x 0.220" micro-tubing (Model EDTUBE - in black or white)
- Barb size: Inlet 0.160" - 0.170" Outlet 0.160"
- Recommended minimum filtration: 120 mesh

### FEATURES & BENEFITS

#### UNIQUE EMITTER DESIGN

Regulates flow and provides continuous self-cleaning action during operation.

#### 2.2 psi INTERNAL CHECK VALVE

Helps prevent low emitter drainage by holding back up to a 5' column of water.

#### ANTI-SIPHON OPERATION

Prevents contaminants from being drawn into emitter.

#### COLOR-CODED EMITTER

Denotes flow rate.

#### CAN BE USED WITH TECHLINE® HCVXR AND CV DRIPLINE

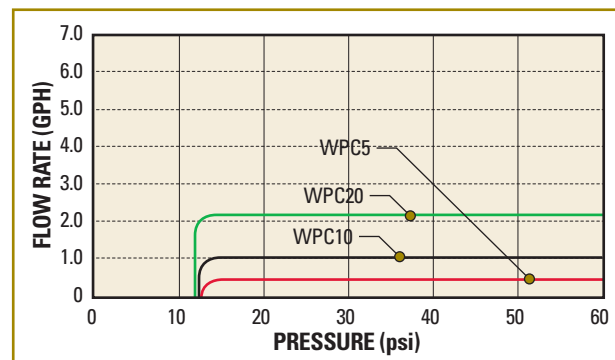
Without causing dripline drainage.



### ORDERING INFORMATION

| FLOW RATE                         | COLOR | BAG QUANTITY | MODEL NUMBER |
|-----------------------------------|-------|--------------|--------------|
| <b>BARB INLET X NIPPLE OUTLET</b> |       |              |              |
| 0.5 GPH                           | RED   | 25           | WPC5         |
|                                   |       | 250          | WPC5-250     |
| 1.0 GPH                           | BLACK | 25           | WPC10        |
|                                   |       | 250          | WPC10-250    |
| 2.0 GPH                           | GREEN | 25           | WPC20        |
|                                   |       | 250          | WPC20-250    |
| <b>BUG CAP</b>                    |       |              |              |
| -                                 | -     | 25           | WPBC         |
| <b>BARBED ADAPTER</b>             |       |              |              |
| -                                 | -     | 25           | 11WPCON47-B  |

### FLOW RATE VS. PRESSURE



# POINT SOURCE EMITTERS

Non-Pressure Compensating

## BD & WP EMITTERS

### APPLICATIONS

- Use in piping networks with limited pressure variation
- Planters and pots
- Wide-spaced plantings

### SPECIFICATIONS

- Flow rates: 0.5, 1.0 and 2.0 GPH
- BD and WP models use 0.160" x 0.220" micro-tubing (Model EDTUBE)
- Barb size: Inlet 0.160" - 0.170"  
Outlet 0.160"
- Maximum pressure: 29 psi
- Recommended minimum filtration: 120 mesh

### FEATURES & BENEFITS

#### WIDE TURBULENT FLOW PASSAGE

Resists clogging and works well in low pressure applications.

#### BARB INLET

For easier installations.

#### COLOR-CODED EMITTER

Denotes flow rate.



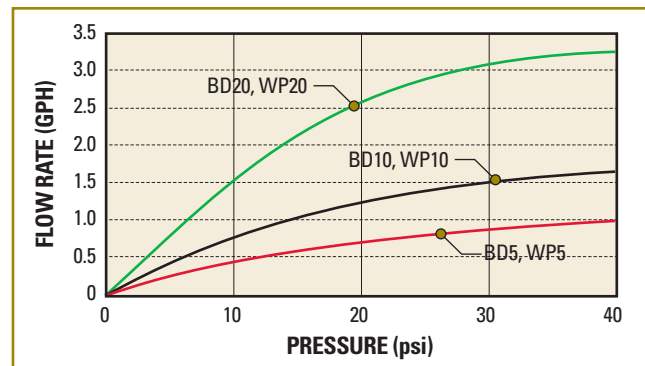
#### BD EMITTERS ORDERING INFORMATION

| FLOW RATE | COLOR | BAG QUANTITY | MODEL NUMBER |
|-----------|-------|--------------|--------------|
| 0.5 GPH   | RED   | 25           | BD5          |
|           |       | 250          | BD5-250      |
| 1.0 GPH   | BLACK | 25           | BD10         |
|           |       | 250          | BD10-250     |
| 2.0 GPH   | GREEN | 25           | BD20         |
|           |       | 250          | BD20-250     |

#### WP EMITTERS ORDERING INFORMATION

| FLOW RATE | COLOR | BAG QUANTITY | MODEL NUMBER |
|-----------|-------|--------------|--------------|
| 0.5 GPH   | RED   | 25           | WP5          |
|           |       | 250          | WP5-250      |
| 1.0 GPH   | BLACK | 25           | WP10         |
|           |       | 250          | WP10-250     |
| 2.0 GPH   | GREEN | 25           | WP20         |
|           |       | 250          | WP20-250     |










#### FLOW RATE VS. PRESSURE



# POINT SOURCE EMITTERS

## COMPARISON

**POINT SOURCE EMITTERS COMPARISON CHART**

| Emitter Flow Rate (GPH)               | SELF-PIERCING EMITTERS  |   |   | TECHFLOW EMITTERS   |   |   | BD and WP EMITTERS  |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|
|                                       | 0.5   | 1.0   | 2.0   | 0.5   | 1.0   | 2.0   | 0.5   | 1.0   | 2.0   |
|                                       |  |  |  |  |  |  |  |  |  |
| <b>APPLICATION</b>                    | For Quick and Easy Installations Requiring No Tools                               |   |   | For Systems with a Wide Range of Pressure Variation                               |   |   | For Low Pressure or Gravity Fed Systems   |   |   |
| <b>TOOL REQUIRED FOR INSTALLATION</b> | No  | No  | No  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| <b>PRESSURE COMPENSATION RANGE</b>    | 10.15 to 58 psi   | 10.15 to 58 psi   | 10.15 to 58 psi   | 14.5 to 58 psi  | 14.5 to 58 psi  | 14.5 to 58 psi  | No  | No  | No  |
| <b>MAXIMUM PRESSURE</b>               | 58 psi  | 58 psi  | 58 psi  | 58 psi  | 58 psi  | 58 psi  | 29 psi  | 29 psi  | 29 psi  |
| <b>INTERNAL CHECK VALVE</b>           | 1.74 psi, holds up to 3.9' of water   |   |   | 2.2 psi, holds up to 5' of water  |   |   | No  | No  | No  |
| <b>ANTI-SIPHON</b>                    | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | No  | No  | No  |
| <b>SELF-CLEANING</b>                  | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | No  | No  | No  |
| <b>BAG QUANTITY: 25</b>               | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| 100                                   | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |
| 250                                   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| 1,000                                 | Yes   | Yes   | Yes   | N/A   | N/A   | N/A   | N/A   | N/A   | N/A   |