Start With ...

**Y Connector with Shut-Off**
So you can the hose without removing your drip irrigation system.
- IRH950 Gilmour Metal (PICTURED)
- IRH951 Gilmour Metal Full Flow

**Vacuum Breaker**
Prevent contamination of your water source.
- IRF1000 Anti-Siphon FHT x MHT (PICTURED)

**Flushable “Y” Filter**
Remove sediment and easily flush your system.
- IRF176 ¾” FHT x MHT (PICTURED)

**Timer**
Set it and forget it!
- WOT526 Gilmour Mechanical
- WOT1510 Galcon 11000EZ Pre Programed (PICTURED)
- WOT1506 Galcon 9001 Bluetooth Programmable
- WOT401 Melnor Mechanical
- WOT407 Melnor Digital
- WOT406 Melnor Digital 2 Zone
- WOT402 Melnor Digital 4 Zone

**optional: Water Meter**
Know how much water you’re using.
- WOT700 Connects between the filter and timer (PICTURED)

**Fixed Pressure Regulator**
Reduce pressure for medium flow systems. ¾” FHT x MHT
- IRH819 10 PSI (PICTURED)
- IRH824 25 PSI
- IRH830 50 PSI

**optional: Calcium Filter**
Help for systems on a hard water source.
- IRF900 Connects AFTER Flushable “Y” Filter (PICTURED)

**Power-Loc™ Starter Fitting**
Spigot connection for poly tubing irrigation systems up to 60 PSI
- IRC730 Female
- IRC700 Tee (PICTURED)
- IRC705 Elbow
- IRC745 Male

- ½” POLY
- ½” POLY
Poly Tubing

Power-Loc™ Starter Fittings
Spigot connection for poly tubing irrigation systems up to 60 PSI.

- ¾" Female Starter
  IRC730

- ¾" Male Starter
  IRC745

- ½" Starter Tee
  IRC700

- ½" Starter Elbow
  IRC705

OR

Power-Loc™ Fittings
For poly tubing irrigation systems up to 60 PSI.

- ½" Elbow
  IRC720

- ½" Coupler
  IRC715
  Great for repairing cracked or cut lines, or extending lines.

- ½" Tee
  IRC710

- In-Line Valves
  Insert into ½" poly tubing to open or shut off individual lines

- ½" Power-Loc™ In-Line Valve
  IRC735

- ½" In-Line Valve
  IRH430
**Power-Loc™ Fittings**
For poly tubing irrigation systems up to 60 PSI.

- **½" Poly Tubing Mounting Clip**
  - Securely hold poly tubing against a wood wall or other vertical surfaces.
  - IRP520 pack of 5

**½" POLY**

- ½" 4 Way Connector
  - IRC750

**End Caps**
For poly tubing irrigation systems up to 60 PSI.

- ½" Power-Loc™ with Screw Cap
  - IRC725

- ½" Power-Loc™ with Flush Valve
  - IRC740

- ½" Figure 8 Closure
  - IRC545

**½" POLY**

- ½" POLY

**Hole Punches**
Punch a hole in ½" poly to insert drip tape fittings, barbed couplers to connect ¼" emitter line, ¼" poly, risers for mini sprinkles, or barbed sprayers and bubblers.

- Pocket Punch Tool
  - IRH640

- Green Mini Punch
  - IRH639

- Green Punch N’ Cut
  - IRH650

- Hole Punch
  - IRC456
Drip Tape

Space each run 8” apart to stagger emitters for complete coverage for most soil types.

Perma-Loc-Sleeve ¼” Barbed Fitting w/ Shutoff IRC454
Allows you to shut off individual drip tape lines.

Loc Sleeve ½” Barbed Fitting IRC470

Tape-Loc™ Tee IRC420

Space each run 8” apart to stagger emitters for complete coverage for most soil types.

Loc Sleeve ¼” Barbed Fitting IRC450

Tape-Loc™ Coupler IRC410
Great for repairing damages Drip Tape.

10 PSI Pressure Regulator IRH819
10 PSI is strongly recommended or Drip Tape may burst.

Tape-Loc™ Hose Starter IRC425

½” POLY
INSERT into Punched Hole

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**Emitters** have integrated inlet filters to add additional protection against clogging. Outlet flap opens automatically under pressure.

Gray “Twin Stripes” help guide while placing.

---

**Emitterline** can be used like Drip Tape. The difference is Emitterline can curve (especially true for ¼” emitterline) and has pressure compensating emitters installed internally to allow use on slopes.

USE POLY TUBING FITTINGS FOR ½” Emitterline

---

**Slits** open automatically under pressure to allow water to flow and drip freely.

The chevron pattern in the water way creates a turbulent flow.

Tiny inlets act as filters to keep the system free of debris.

---

**Ending Drip Tape**

2 simple ways to close off your lines

Drip Tape Sleeve End
IRC441

Fold Drip Tape and push Sleeve End over folds

OR

Tape-Loc™ End with Cap
IRC440

---

**Can create a sharper Curve**

¼” Emitterline
IRP715

½” Emitterline
IRP700

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Soaker hose is a low flow, low pressure system and requires a regulator. As a guideline, turn faucet a ½ turn, if your hose sprays you have too much pressure. A 22–25 PSI regulator is recommended for ideal performance. Burst strength is 80 PSI.

If your water has heavy mineral deposits, Soaker hose is not recommended. Soaker hose is not recommended for hilly terrain. Should be used on flat surfaces not exceeding a 2’ rise over 100’. It is not designed for tight turns. The hose can kink and then will break apart at that point. Soaker hose can be used in straight lines or snaked back and forth between plants. For best results, bury the hose at least 4” deep.

### Rolls of Soaker Hose

Made from 100% recycled materials.

- **Minimum Distance between Runs:** 18”
- **Maximum Run Length:** 250’
- **Maximum Length per Water Source:** 500’

<table>
<thead>
<tr>
<th>PART#</th>
<th>LENGTH</th>
<th>PSI</th>
<th>Flow Rate GPH per 100’</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRP660</td>
<td>100’</td>
<td>10</td>
<td>54</td>
</tr>
<tr>
<td>IRP665</td>
<td>500’</td>
<td>25</td>
<td>224</td>
</tr>
</tbody>
</table>

### Optional:

**Calcium Filter**

Recommended for areas with hard water.

- IRF900 Connects AFTER Flushable “Y” Filter
A 300° Jet Sprinkler is shown, however, you can connect any of the Micro-Sprayers with Flow Control, Micro Sprinklers, or Jet Sprinklers either directly into ¼" poly or into a riser.

If using a riser, connect the opposite end of the riser into either a ¼" coupler to insert it into ½" poly, or into the 8" Plastic Rigid Riser Stake. Use stakes to support risers or place ¼" poly into your desired location.
# Mini Sprinklers

## Micro-Sprayers with Flow Control

Customized emitter flows.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Spray Pattern</th>
<th>Optimal PSI</th>
<th>GPH</th>
<th>Spray Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRS700</td>
<td>Red</td>
<td>360°</td>
<td>20</td>
<td>0–23.3</td>
<td>up to 20’</td>
</tr>
<tr>
<td>IRS705</td>
<td>Blue</td>
<td>180°</td>
<td>0–24</td>
<td>up to 20’</td>
<td></td>
</tr>
<tr>
<td>IRS710</td>
<td>Black</td>
<td>90°</td>
<td>0–24.5</td>
<td>up to 18’</td>
<td></td>
</tr>
</tbody>
</table>

![360° Micro Sprayer IRS700](image1)

![180° Micro Sprayer IRS705](image2)

![90° Micro Sprayer IRS710](image3)

## Micro Sprinklers

Stream type spray for moderate water coverage.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Spray Pattern</th>
<th>Optimal PSI</th>
<th>GPH</th>
<th>Spray Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRS693</td>
<td>Green</td>
<td>360°</td>
<td>17.6</td>
<td>17’</td>
<td></td>
</tr>
<tr>
<td>IRS687</td>
<td>Orange</td>
<td>180°</td>
<td>6.8</td>
<td>10’</td>
<td></td>
</tr>
<tr>
<td>IRS681</td>
<td>Black</td>
<td>90°</td>
<td>4.5</td>
<td>8’</td>
<td></td>
</tr>
<tr>
<td>IRS695</td>
<td>Green</td>
<td>180°</td>
<td>17.6</td>
<td>17’</td>
<td></td>
</tr>
<tr>
<td>IRS689</td>
<td>Orange</td>
<td>90°</td>
<td>6.8</td>
<td>10’</td>
<td></td>
</tr>
<tr>
<td>IRS683</td>
<td>Black</td>
<td>60°</td>
<td>4.5</td>
<td>8’</td>
<td></td>
</tr>
</tbody>
</table>

![360° Agri-Jet Micro Sprinkler IRS693](image4)

[PICTURED]

![180° Agri-Jet Micro Sprinkler IRS695](image5)

[PICTURED]
Jet Sprinklers
Different spray patterns saturate areas at a low pressure.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Spray Pattern</th>
<th>Optimal PSI</th>
<th>GPH</th>
<th>Spray Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRS665</td>
<td>Red</td>
<td>90°</td>
<td>10</td>
<td>18.2</td>
<td>18'</td>
</tr>
<tr>
<td>IRS655</td>
<td>Blue</td>
<td>90°</td>
<td>7</td>
<td>7</td>
<td>10'</td>
</tr>
<tr>
<td>IRS645</td>
<td>Green</td>
<td>90°</td>
<td>4.4</td>
<td>7</td>
<td>7'</td>
</tr>
<tr>
<td>IRS663</td>
<td>Red</td>
<td>180°</td>
<td>18.2</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>IRS653</td>
<td>Blue</td>
<td>180°</td>
<td>7</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>IRS643</td>
<td>Green</td>
<td>180°</td>
<td>4.4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IRS661</td>
<td>Red</td>
<td>300°</td>
<td>18.2</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>IRS651</td>
<td>Blue</td>
<td>300°</td>
<td>7</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>IRS641</td>
<td>Green</td>
<td>300°</td>
<td>4.4</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>IRS669</td>
<td>Red</td>
<td>30° / 30°</td>
<td>18.2</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>IRS649</td>
<td>Black</td>
<td>30° / 30°</td>
<td>4.4</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

90° Jet Sprinkler
IRS665 (PICTURED)
IRS655
IRS645

180° Jet Sprinkler
IRS663 (PICTURED)
IRS653
IRS643

300° Jet Sprinkler
IRS661 (PICTURED)
IRS651
IRS641

30° / 30° Jet Sprinkler
IRS669 (PICTURED)
IRS649
Sprayers

½" POLY

**Fogger Mister**
Misting greenhouse seedlings. Create high humidity. Flow rate is 2 GPH at 20 psi.
- IRE200

**Spectrum Spray 360°**
Adjustable spray from 0-20 GPH. Maximum 30 PSI covers 108”.
- IRS805 On Stake
- IRS800

**Shrubbler®**
Adjustable spray from 0-15 GPH. Maximum 30 PSI covers 26”.
- IRE205 On Stake
- IRE206

**Adjustable Micro Bubbler®**
Adjustable spray from 0-30 GPH. 15-30 PSI covers 0-18”.
- IRE211 On Stake
- IRE210

1/8" Barbed Coupler
IRC230

1/8" Poly
IRP200
100' Roll

**Aquatic Tri-Tip Sprayer**
3 flow rates in one! 4.8, 7.8, & 10.8 GPH at 10 PSI. Turn off by inserting poly into the side spike.
- IRE250

Ground Staples
EC407 Box of 1,000
Secure poly to the ground.
**Emitters**

**Goof Plugs**
- IRH634 10 pack
  - Correct mistakes on ½" poly or plug ends of ¼" poly.

**¼" Barbed Elbow**
- IRC215

**¼" Short Barbed Coupler**
- IRC210

**OR**

**¼" Long Barbed Coupler**
- IRC211

**¼" Barbed Tee**
- IRC220

---

**Mini-Flo Inline Emitters**
- Use where customized emitter spacing is needed.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Optimal PSI</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRE401</td>
<td>Red</td>
<td>10-30</td>
<td>0.5</td>
</tr>
<tr>
<td>IRE402</td>
<td>Black</td>
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<td>1</td>
</tr>
</tbody>
</table>

---

**Pressure-Compensating Emitters**
- Use where inconsistent water pressure is a problem.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Optimal PSI</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRE301</td>
<td>Red</td>
<td>15-50</td>
<td>0.5</td>
</tr>
<tr>
<td>IRE302</td>
<td>Black</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>IRE303</td>
<td>Green</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

---

**Flag Emitters**
- Deliver water to individual plants.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
<th>Optimal PSI</th>
<th>GPH</th>
</tr>
</thead>
<tbody>
<tr>
<td>IRE201</td>
<td>Black</td>
<td>10-15</td>
<td>1</td>
</tr>
<tr>
<td>IRE202</td>
<td>Blue</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>IRE204</td>
<td>Green</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>