



2.0 INFINITY TRAYS



Active Aqua introduces the new and improved Infinity Tray series by Staal Plast – an array of premium UV-stable High Impact Polystyrene (HIPS) expandable trays that work with standard 4' and 5' wide benches. Designed for commercial installations to maximize grow square footage.

A complete Infinity Tray setup **MUST** include:

- | | |
|---------------------------|-----------------------|
| 1 qty - End Tray w/ Drain | 1 qty - Division Tray |
| 1-7 qty - Middle Tray(s) | 1 qty - End Tray |

End Trays are 6.5' in length and available with Drain or without. Middle Trays are 6.5' in length. Division Trays are available in 2' and 4' lengths.

Purely made from the highest quality HIPS, a reusable thermoplastic material. After many years of continuous use, the trays are still 100% recyclable.

- Made in USA.
- Low profile 2.5-inch height .
- Stall Plast Polystyrene glue seals trays together at each joint (STP3010 sold separately).
- No arch lip allows you to maximize your inner tray space.
- Maximum tray length 65'. Up to 7 qty Middle Trays.
- Division Trays can be cut to size (*top of block only*).

installation

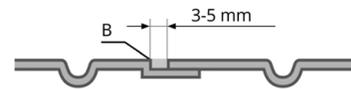
Step 1. Lay out the trays on the bench in the following order. Start with the 1st End Tray w/ Drain. Create a 3/4" gap between the front end of the tray and the front end edge of the bench.

*Division Tray placement is required between the last Middle Tray and End Tray.

- 1st - End Tray w/ Drain (1 qty)
- 2nd - Middle Trays (up to 7)

- 3rd - Division Tray (1 qty)
- 4th - End Tray (1 qty)

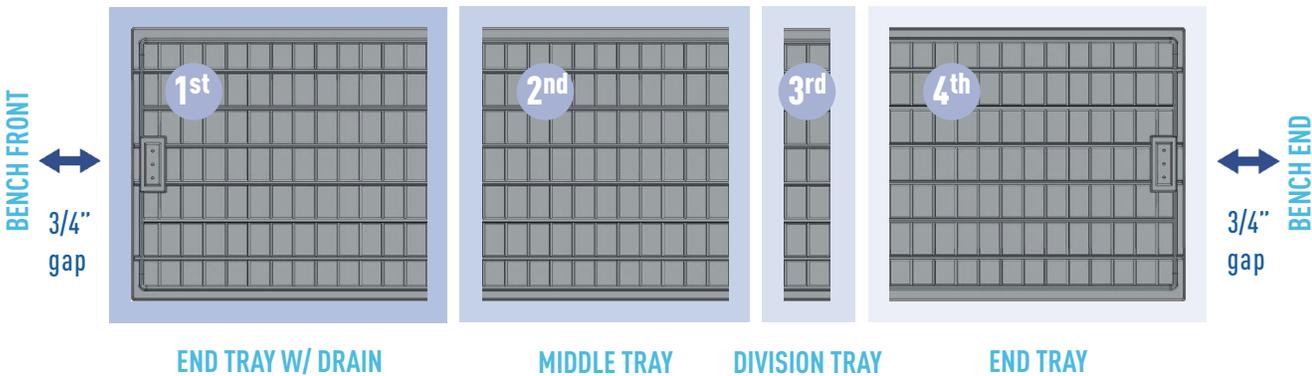
Step 2. Next evenly distribute the following trays with a 3-5 mm gap between the joints.



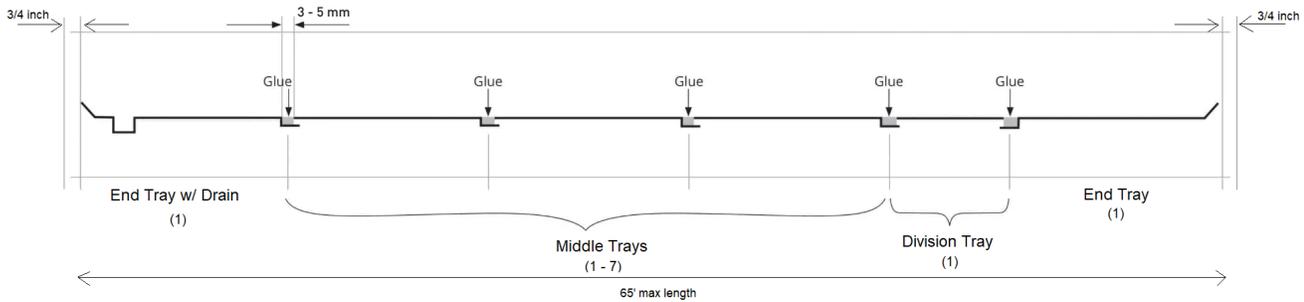
Step 3. On the last End Tray of the bench run create a 3/4" gap between the tail end of the tray and the tail end edge of the bench.

- a. 3/4" space at the front and tail end of the bench run.

Step 4. Before gluing, confirm you have spaced the trays correctly: b. 3-5 mm space between all tray connections.



gluing instructions



Tools Needed for Assembly:

1. Caulk Gun.
2. Putty Knife.
3. Safety Protection
4. Polystyrene Glue, [STP3010](#).



Steps to Glue:

Step #1

Confirm installation steps 1 - 4 have been completed. Make sure all trays are correctly spaced and sitting level.

NOTE:

Use breathing protection, goggles, and gloves when gluing tray connections.

Step #2

Place Polystyrene Glue in caulking gun and cut open end (before screwing on nozzle).

Step #3

Run a bead of glue filling up the 3-5 mm gap between the trays, allow extra to run down the main drainage channel. Do not use excessive amounts of glue, less is more for installation. Do not glue in between the trays - only on top of the seam where the trays meet.

Step #4

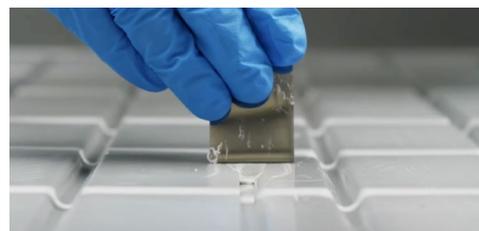
Press the Polystyrene glue into the joint (3-5mm gap). Smooth and remove excess glue with a putty knife. Make sure the glue is in contact with both trays along all seams to avoid leaks.

NOTE:

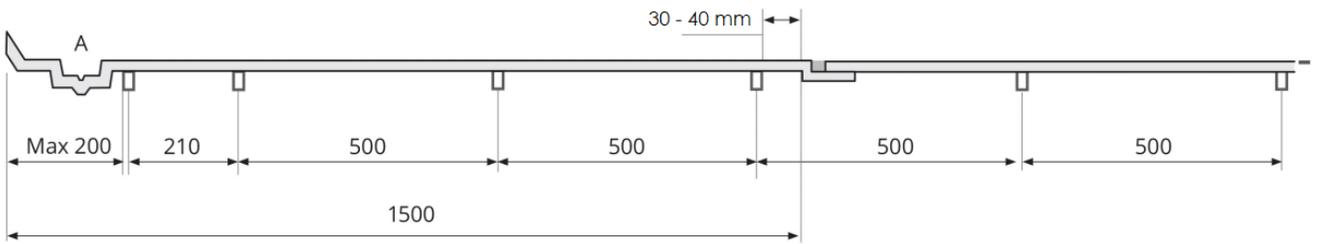
Glue should not exceed (1) 300 ml tube per 6 meter of glued tray connections.

Step #5

The glue must dry for 48-72 hours at 68 degrees F. If temperatures are lower than 68F, the drying time will increase. Temps must remain constant during hardening. Make sure the connections are completely hardened before you use the trays.



bench sub-support



Support beams shown 20x40 mm as an example.

Bench Sub-Support Requirements:

- Supports a maximum load of 154 lbs./m².
- Maximum space between supports 19.5"/500 mm.
- Drain section of the tray must not rest on any support beam.
- Glued tray connections must be supported within 2.75"/70 mm of the connection.
- The support MUST be placed under the part of the tray that has the drop-down glue lip.

Infinity Trays are Compatible with:

- Active Aqua IZON Rolling Bench Systems.
- Active Aqua 4'x8' Rolling Bench [AARBK48](#).
- IGE Benches.
- Standard 4' & 5' Width Benches.



Item Description	Item Code	Color	W x L x H in Inches
Active Aqua 2.0 Infinity Tray 4' x 6.5' Middle Tray	AATIN4MT	Grey	48.03 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 4' x 6.5' End Tray	AATIN4ET	Grey	48.03 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 4' x 6.5' End Tray w/Drain	AATIN4ETD	Grey	48.03 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 4' x 4' Division Tray	AATIN44DIV	Grey	48.03 x 48 x 2.48
Active Aqua 2.0 Infinity Tray 4' x 2' Division Tray	AATIN42DIV	Grey	48.03 x 24 x 2.48
Active Aqua 2.0 Infinity Tray 5' x 6.5' Middle Tray	AATIN5MT	Grey	59.84 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 5' x 6.5' End Tray	AATIN5ET	Grey	59.84 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 5' x 6.5' End Tray w/Drain	AATIN5ETD	Grey	59.84 x 78.74 x 2.48
Active Aqua 2.0 Infinity Tray 5' x 4' Division Tray	AATIN54DIV	Grey	59.84 x 48 x 2.48
Active Aqua 2.0 Infinity Tray 5' x 2' Division Tray	AATIN52DIV	Grey	59.84 x 24 x 2.48
Staal Plast Infinity Tray Filter	AATINFLTR	Black	4.44 x 9.13 x 1



Learn more about
What's In Your Water

