

APA

Aqueous Product Applicator

ADVANCED DROPLET TECHNOLOGY



Designed for:

- *Contractors • Landscapers*
- *Foresters treating invasive species*
- *Lawn care professionals • Outdoor pest control*
- *Herbicide professionals • The homeowner*

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The Aqueous Product Applicator (APA) attaches to a hand held leaf blower, (required for an air supply) and then to a pressurized back pack which serves as the fluid supply reservoir.



The APA is machined from a solid aluminum bar stock; no plastic parts are used.

The APA is designed to deliver a slightly larger liquid droplet in comparison to the usual droplet size of a typical mist blower.



ADVANCED DROPLET TECHNOLOGY



The APA has been tested using a four gallon, battery operated backpack as the fluid reservoir. It can be used with either an electric or gas powered leaf blower to deliver the product within the air stream.



APA benefits:

- Less operator fatigue related to equipment weight.
- Reduced noise decibel exposure with the use of an electric leaf blower, providing a quieter operation in residential neighborhoods.

APA Assembly Instructions:

- Step 1:** Install the APA onto the air supply source (leaf blower).
- Step 2:** While wearing the fluid reservoir (back pack), determine where the hose end of the APA would intersect with the back pack wand hose, and mark that location.
- Step 3:** While wearing gloves, make a square cut through the back pack wand hose using a sharp utility knife, at the previously marked location from step 2.
- Step 4:** Slide on the provided hose clamp toward the back pack and insert the quick disconnect barb end fitting into the hose, and tighten the clamp.
- Step 5:** Slide on the provided hose clamp toward the wand end and insert the male barb end fitting into the hose, and tighten the clamp.
You are now ready to use the APA or wand end.

Operating the APA:

Once all the hose clamp fittings are securely tightened you are ready to apply the liquid product from the back pack.

- Step 1:** Turn the battery operated back pack switch to the on position, creating line pressure. If your back pack is not battery operated, pump up the back pack to the desired pressure. (Note- it is best to maintain a constant pressure in the back pack during the fluid application process.)
- Step 2:** Turn the air supply source on and then open the fluid flow adjusting valve to the desired flow of product for your application.
- Step 3:** When completing the application, shut off the back pack battery switch, relieving line pressure before turning off the air supply source, while the flow control valve is still in the open position.
(This will help drain any residual product out of the fluid hose.)
- Step 4:** You are now ready to disconnect the quick-connect fittings from the backpack and the APA for proper cleaning.

Safety:

Always wear the proper eye protection and personal protective equipment (PPE) during the application and before disconnecting the quick-connect coupling.

As a business advisor for pest control franchise locations, this industry is under pressure to control drift from mist blowers.

The APA has been tested, using natural products and a standard permethrin product for pest control, providing good coverage and the ability to control drift, because of the slightly larger droplet size.

The APA is a multipurpose application system useful for industry, commercial, and the DIY homeowner. Potential applications include: cement sealer, form release products, cleaning solutions, solvents, pesticides, and herbicides.

Email to learn how APA can help you
to simplify your next project.



Patent Pending #64789

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