



PT100 air-assisted & guarded rotary atomizer, hydraulic drive

The **original Proptec™ Rotary Atomizer**-with over a decade of performance in the toughest mobile environments. sprays anything that flows, reliably, predictably, & without clogging. Choice of droplet spectra allows near- fog like mists to ultra coarse spray.



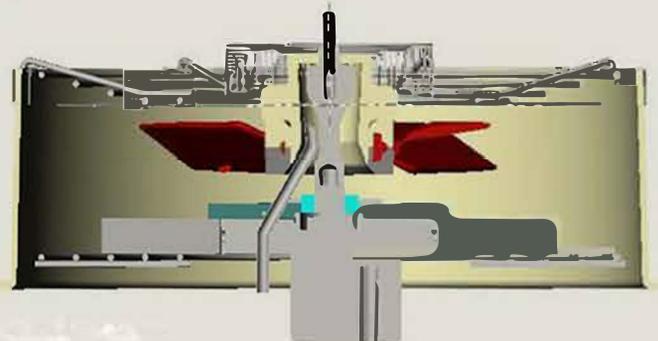
Perfect for:

- *odor control*
- *pesticide application*
- *fumigation*
- *assembly line cooling*
- *wastewater evaporation*
- *innoculation/bin piling*
- *evaporative cooling*

Features:

- *compact- 20" dia. by 12" deep.*
- *adjustable air volume- to 10,000 CFM (300 cmm).*
- *low/no water pressure requirements.*
- *if it can be pumped, The PT100 can spray it.*
- *atomizes ounces to 3.5 GPM (114 LPM).*
- *incredibly rugged & corrosion proof.*
- *choice of droplet spectra*
- *non-clogging, low maintenance.*
- *long service life.*

Cutaway shows open fluid path free of obstructions. Seal free, simple design. Your PT100 won't need much service, but when it does, it's fast and easy.



Ledebuhr Industries, Inc.

Dealer:
Thomas Bros. Equipment Sales, Inc.
41764 Red Arrow Hwy., Paw Paw, MI 49079
269-657-3735 Fax: 269-657-2110 Toll Free: 866-214-6135
www.thomasbrosequipmentsales.com

PT100 Air-Assisted Rotary Atomizer: Specifications

- ✓ Size: 20" Diameter by 12" deep, various mounting brackets(see below).
- ✓ Hydraulic motor, 2.8cc, Ultra-high efficiency, Viton seals. 4 gallons (16 liters) per minute max flow, 2500 PSI (165 bar) max pressure. Pressure requirements will vary with blade pitch. Max input power: 6 HP. Requires case drain line. May not be plumbed in series.
- ✓ Standard operating speed: 5000 RPM. Slower speeds can be used to achieve larger droplets and less airflow.
- ✓ Fiber-composite, adjustable-pitch, replaceable blades.
- ✓ All stainless steel frame and hardware, all parts UV stabilized and chemical resistant.
- ✓ Wide range of droplet spectra possible. Atomizer performance virtually unaffected by wear. Atomizers last thousands of hours, even in severe environments.
- ✓ Ease of use: 1 to 4 bolts removes any part.
- ✓ Guaranteed parts availability, Lifetime guarantee on workmanship.
- ✓ 3/8" (10 mm) chemical infeed line.

All Proptec Atomizers are supplied with a mounting bail, complete with a ½" mounting hole. Boom mount brackets are optional. Choose from the following Mounting Options:

PT100-A. Straight Bail (Left). Best for downward facing applications on 2" tubes. PT100-1100 boom bracket sold separately.



PT100-B. 'L' Bail (right). Best for horizontal mounting, mobile applications, and mounting on 3 or 4" square tubing. PT100-1101 boom bracket sold separately.

Choose an atomizer basket: The 6" basket is the working part of the PT100 atomizer. A similar design is available with the 12" basket, please request literature on the PT101 Series. For specific drop size information, please ask for droplet size charts.

Choose from 3 basket styles:

Coarse mesh: (Standard) 12 mesh x .023" wire gives droplet spectra approximately 70-80 microns VMD at 5000 RPM. Highly clog resistant; durable. Soldered joints for maximum strength. Can handle up to 6 Gallons per minute flow.

Fine mesh: 30 mesh .015" wire atomizer. Best for misting/cooling/humidifying applications. Finer droplet spectra- 50-70 microns at 5000 RPMs with fewer coarse droplets. Fluid should be pre-filtered though a 50-mesh filter to avoid clogging with long-term use. Max flow 1 gallon per minute.

Severe duty: 12 mesh x .035" thick wires welded to the endplates, For situations where high heat, strong acid, or frequent impacts in-process would make a Standard basket unsuitable. Slightly larger droplet spectra, 90-110 micron at 5000 RPM. Can handle up to 6 Gallons per minute flow.



FAQ: Why is a Proptec™ or Curtec® Sprayer an "Eco-Friendly" option?



Everyone's on the green bandwagon these days, but we've been "green" since we started in the early 90's. Fact is, we kind of take these things for granted around here, but our customers tell us we should point these things out to you. Here are just a few reasons why owning a Proptec or Curtec Sprayer makes you a better environmental steward:

1. **MORE ACRES PER HOUR MEANS LESS DIESEL PER ACRE.**

Since one sprayer can do the work of 2-3 competitive machines, you'll spend less fuel, labor and depreciation per acre of application, and gain the advantage of fewer tractors, sprayers and operators on your rolls. Simpler is better!

2. **BETTER COVERAGE ALSO GIVES BETTER UPTAKE OF PESTICIDES AND FOLIAR FERTILIZERS FOR LESS RUNOFF.**

Fertilizer and pesticide runoff is a serious problem we can't ignore. Foliar fertilizers are expensive, but when well-applied, you also need less total pounds per acre than with granular application. Proptec doesn't drip, and generally drifts less, so you put more material where you need it, and less where you don't! Less pollution, more money in your pocket, and better performance- where's the downside?

3. **THE MOST ENVIRONMENTALLY FRIENDLY SPRAY IS THE ONE YOU NEVER HAD TO MAKE.**

Controlling disease early in the season often means fewer or less costly follow-up sprays later in the season. If you could take 2-3 sprays out of your rotation due to better control early, what would that be worth to you? Ask a Proptec Owner.

4. **YOU DONT PAY FOR PESTICIDES YOU DONT SPRAY.**

Superior coverage, reduced drift and drip allow many Proptec users are able to reduce their rate of active material per acre compared to what they were previously applying. Besides the money savings and reduction of pesticide in the environment, there is a significant added bonus: high-cost organic and zero PHI materials are much more affordable at lower rates. *Always follow labels.*

5. **THE ORIGINAL ORGANIC-FRIENDLY SPRAYER SINCE 1996.**

If you are spraying thick and chunky materials as part of your regimen, a Proptec or Curtec Sprayer is your new best friend. Conventional spray machinery was never made to handle the span of materials on the OMRI listing, so why try? If you can push your slop through a 1/4" ID tube, we can spray it, and NOT CLOG!

6. **HIGHER CROP PRODUCTIVITY MEANS LESS ACRES, LESS INPUTS TO GROW THE SAME CROP.**

If, like many Proptec and Curtec users, you see increases in pack out after switching to Proptec, that means each pound of produce required less tilling, less weeding, less water, less... EVERYTHING! How eco-friendly is that?

7. **ECO-FRIENDLY CONSTRUCTION AND DESIGN:**

Little things add up: atomizers are made from the following: RECYCLED engineering thermoplastic (requiring only 3% of the energy of virgin material), lightweight composite fan blade materials, stainless steel and aluminum. Why should you care? These materials give Proptec extreme durability, long life and high performance. Ultra-high efficiency hydraulics use less diesel per cubic foot of air blown than other sprayers. Our steel is powdercoated (a solvent free paint process) using a 3 stage process for extreme life and low environmental impact.

We are confident the product we offer you is not only the finest spraying apparatus you can buy, but also a machine you can be **proud to own.**

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email:tbrofab@gmail.com www.thomasbrosequipmentsales.com