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A Legacy of Quality / Summer 2024

Transland
1206 Hatton Rd.
Wichita Falls, TX 76302

Announcing Transland's Acquisition of the Load Hawg™ from Mid-Continent Aircraft Corporation

Transland is excited to announce the addition of the Load Hawg to our product offerings. Acquired from Mid-Continent, the Load Hawg is designed to improve the process of loading dry materials into aerial application aircraft. Now part of the Transland family, this system is compatible with THRUSH & AIR TRACTOR aircraft.

Load Hawg Features

Loading Process: By eliminating the dependence on on-wing loaders, the Load Hawg contributes to a more streamlined and safer loading operation.

Pilot-Driven Functionality: The pilot is in control via a hydraulically operated hopper door and internal product leveler.

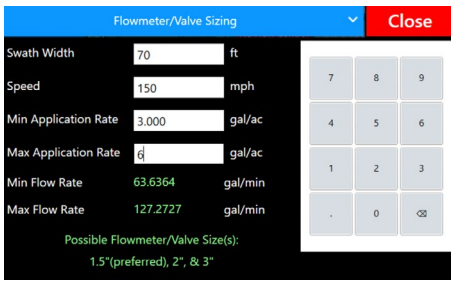
Durable Construction: The Stainless Steel Auger with sealed bearings is designed for longevity, reflecting over 15 years of field application and numerous installations.

Easy Integration: The Load Hawg is engineered for straightforward integration with the Thrush Aircraft and Air Tractor Aircraft, making it a smart addition to your aerial application toolkit.

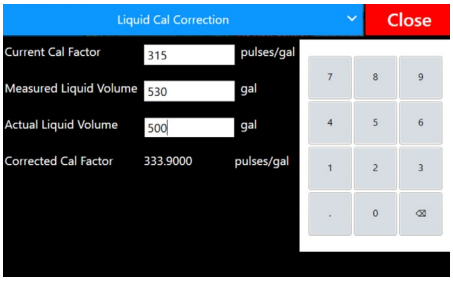
Satloc Falcon
Multi-Functional Calculator

One of our latest additions to Satloc Falcon is designed to simplify your workload. Whether you're sizing flowmeters and valves, correcting liquid calibration factors, calculating liquid flow rates, or converting units, Satloc's calculator has you covered.

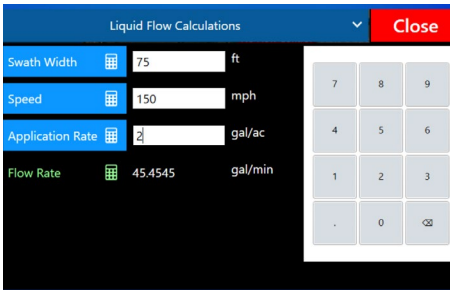
The multi-functional calculator contains:



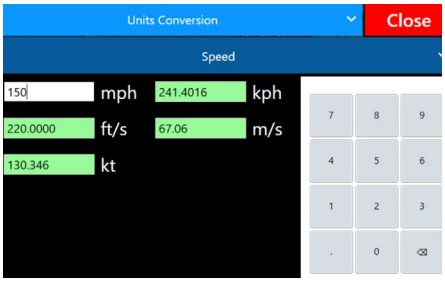
Flowmeter/Valve Sizing - There is NOT a one-size-fits-all flowmeter. To ensure accuracy, you need the right-sized meter. Properly sized valves allow for precise flow rate control, which is essential for achieving the desired application rate. For more information on the importance of flowmeter and valve sizing, visit https://www.satloc.com/flow-meter-sizing-calculator/.



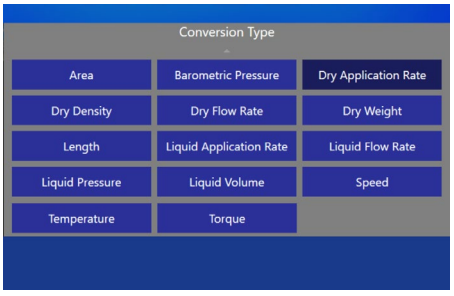
Liquid Cal Correction - This does all the hard work by telling you what you need to change your (K Factor) Primary Flowmeter Calibration Factor number to in order to get a more precise application.



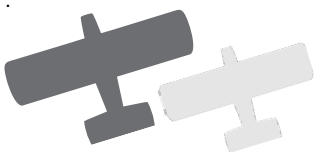
Liquid Flow Calculations - Tired of doing all the hand calcs for your flow rate? Use this calculator to find your flow rate easily.



Unit Conversions - Satloc realizes many applicators interchange the type of units based on their need. This Units Conversions Calculator does Area, Barometric Pressure, Dry Application Rate, Dry Density, Dry Flow Rate, Dry Weight, Length, Liquid Application Rate, Liquid Flow Rate, Liquid Pressure, Liquid Volume, Speed, Temperature, and Torque.



When a Falcon ships out from Satloc, the 'Calculator' HotKey is set as a default setting on the third page of HotKeys. If for some reason the Calculator is not set as a hotkey, navigate to this feature by clicking Main Menu > Display > HotKeys. Then, select where you want the hotkey to appear on your hotkey pages. Next, click the 'Other' tab and choose 'Calculator'.



Contact your local dealer to order your Satloc Falcon.

Inventor of CP Nozzles a Crop Duster

CP nozzles and check valves revolutionized the aerial application industry by simplifying ag operations for ag pilots and their crews.

As an aerial applicator, G.O. “Chris” Christopher became highly frustrated with needing to change his TeeJet nozzles every time the application rate changed. So Chris started tinkering in his shop to design a nozzle that would benefit himself and other crop dusters. He recruited his long-time friend R.R. “Bob” Evans to help him get the nozzles to market. In just a few years, the two WWII pilots established CP® aerial nozzles as the industry standard.

Quick Comparison Chart for CP Nozzles

Every pilot is ultimately responsible for selecting and pattern testing nozzles. This Quick Comparison Chart helps users narrow down what nozzles work best for their applications. If there is no check mark or “X” in the boxes corresponding to the nozzles, testing through USDA models showed that there might be better choices than this nozzle. If there is an “X” in a box, Transland highly discourages use for that particular aircraft, application or speed.

	Fixed Wing	Helicopter	Best at Speeds of 70 and Below	Best at Speeds of 120 MPH or Below	Best at Speeds of 120 MPH or Above	Works Well with Insecticide & Fungicide	Works Well with Herbicide	Works Well in Forestry
CP								
CP-11TT	✓	✓	✓	✓	✓	✓	✓	✓
CP-01-03	✓	✓		✓		✓	✓	
CP-03	✓	✓		✓		✓	✓	
CP-03SD	✓	✓		✓		✓	✓	
CP-03-SDS	✓	✓		✓		✓	✓	
CP-03-SS	✓	✓		✓		✓	✓	
CP-07-3E	✓	✓			✓	✓	✓	✓
CP-07-3P	✓	✓			✓	✓	✓	✓
CP-09-3E	✓	✓			✓	✓	✓	✓
CP-09-3P	✓	✓			✓	✓	✓	✓
CP-09-3PA	✓	✓			✓	✓	✓	✓
26102 (Tri-Set)	✓	✓			✓	✓	✓	✓

The data in this chart is based on a controlled testing environment by the USDA. Real-world applications will vary in performance. This guide is to assist in narrowing down the appropriate nozzle selection. After making changes or starting a new setup, attending a pattern clinic is vital to verify the nozzle setup for each application is correct. Check with your local association for pattern clinic dates in your area.

Employee Spotlight

Meet the Team behind CP, Accu-Flo and Hi-Tek Rotary Nozzles

Transland's nozzle production team is a dynamic group dedicated to crafting the highest quality products. Let's get to know the individuals behind the Transland's nozzles.

Rex Belvin has worked for Transland for the past 11 years. Born at Shepard Air Force Base, Rex has a diverse background as an Air Force brat, having lived in Guam, Iceland, and various parts of Texas. He eventually settled in Wichita Falls, where he enjoys a stable and fulfilling life with his wife. Together, they spend their leisure time bowling, fishing, and watching their grandchildren play sports.

"Our goal is to put out the best product we can," stated Rex. Another goal is to stay on top of things."

Rex Belvin

Randal Sampson

Randal Sampson was raised in Saint Jo, TX, and moved to Wichita Falls seeking better job opportunities. He has been a valuable member of the Transland team for two years, primarily focusing on the production of Accu-flo nozzles. Randal also lends a hand with CP nozzles whenever his team needs extra support.

Randal appreciates the camaraderie among his co-workers, especially how they collaboratively solve problems. This teamwork is a significant reason he enjoys his job at Transland. His willingness to help makes him a vital part of the team.

Ron Fuller may be the newest member of the nozzle production team, having joined Transland nearly a year ago, but he brings a rich history of experiences. As a Navy brat, Ron has lived in various locations, including Guam, California, Alaska, Texas, Arizona, and his favorite, Hawaii. Before joining Transland, he spent most of his adult life driving a truck.

Ron relocated to Wichita Falls for its moderate weather, which he finds preferable to other climates. His top reasons for enjoying his work at Transland are the air-conditioned environment, the manageable stress levels, and most importantly, the excellent people he works with. An interesting tidbit about Ron is his 32-year marriage. He and his wife enjoy spending quality time together and maintaining a strong and happy relationship.

Ron Fuller

The nozzle production team exemplifies what it means to work together towards common objectives, making it a workplace and a community.

Tips for Watching for Wear on Nozzles

1 Visual Inspection
Regularly inspect the nozzles for any visible signs of wear.

2 Flow Rate Measurement
Measure the flow rate of the nozzles periodically. An increase in flow rate can indicate wear and necessitate replacement or maintenance of the nozzle.

3 Spray Pattern Analysis
Use a patternator or spray table to analyze the spray pattern. Uneven distribution or streaks can be a sign of nozzle wear.

4 Material Degradation
Know and pay attention to the material composition of the nozzles.

5 Performance Monitoring
Keep track of the performance of the nozzles in terms of coverage and efficiency. Any deviation from expected performance can indicate wear.