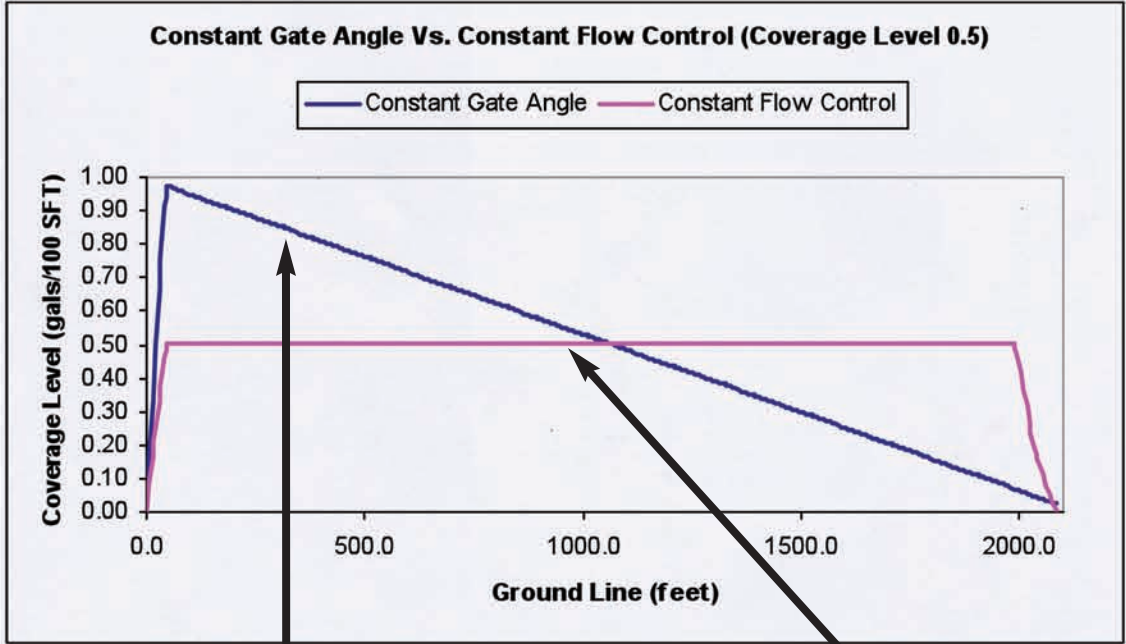
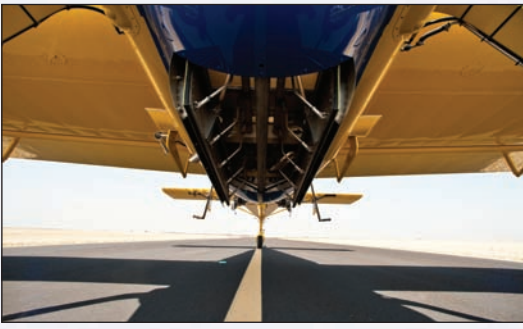


CONSTANT FLOW DELIVERY.
EVEN, CONSISTENT, AND EFFICIENT.



The coverage level (proportional to flow rate) delivered by the Constant Gate Angle system is much too high during the start of the delivery and is much too low towards the end of the delivery.

In contrast, the Constant Flow Rate system of the Gen II FRDS delivers consistent flow until the end of the retardant delivery.



RETROFIT KITS AVAILABLE.

The Gen II FRDS can be easily retrofitted on AT-802F aircraft with the original firegate system. For more information about retrofit kits, contact:
Trotter Controls
Phone: 817-535-2243
E-mail: victor@trottercontrols.com
carey@trottercontrols.com



P.O. Box 485 • Olney, Texas 76374 • (940) 564-5616 • www.airtractor.com

**THE AT-802F SECOND GENERATION
FIRE RETARDANT DISPERSAL SYSTEM**



AERIAL FIRE FIGHTING ENTERS
A NEW ERA OF PRECISION.

PROVEN IN THE HEAT OF BATTLE

AND NOW, EVEN BETTER:

AIR TRACTOR'S GEN II FIRE RETARDANT DISPERSAL SYSTEM

Advancements in computer technology have paved the way for tremendous enhancement of the second generation Air Tractor AT-802F fire retardant dispersal system (Gen II FRDS). And it's ready to go to work in your aerial firefighting operation.

In 1993 the Air Tractor Gen I FRDS took dispersal system flow control and accurate delivery to new and impressive levels. The Gen II FRDS takes those advances and builds upon them in a system designed to deliver even greater performance, high reliability, easy operation and simple maintenance.



Consistent coverage on the fireline is why FRDS Gen II is clearly superior.

FRDS GEN II: WHEN INCREASED ACCURACY AND EFFICIENCY CAN SAVE PROPERTY. AND LIVES.

The Constant Flow Rate Air Tractor Gen II FRDS excels over other delivery systems. It reduces the number of drops needed to deliver the desired coverage levels - all while providing unmatched consistency and coverage.

Other firegate designs simply can't approach the Gen II FRDS accuracy and efficient use of retardant. With the Air Tractor Gen II FRDS, operators get:

- Dependable consistent coverage - "Set it and forget it."
- Improved delivery accuracy
- Redesigned fire gate for even more precise, consistent coverage
- Dual Mode Operation - Switch from Constant Flow Rate mode to Constant Gate Angle mode if the situation calls for it.



Compare the difference between the AT-802F drop and the heavy tanker drop in the foreground.

GEN II: PROVEN PERFORMANCE IN THE HARSHTEST CONDITIONS

End-to-end reliability enhancements are engineered throughout the Gen II FRDS system.

- Hardened against vibration and humidity with improved waterproofing throughout.
- Redundant auto salvo system - ensures reliable door opening.
- Microprocessor and electro-mechanical backup systems
- Fully sealed digital side loader display



The FRDS Gen II new side loader gauge: easy to see & precise



Extra-heavy-duty hydraulic components have been tested to provide reliable performance in harsh operational conditions.

RELIABLE, DURA-ENGINEERED HYDRAULICS

- Tough, dependable hydraulic components throughout
- Dual-head hydraulic pump - 93% efficiency rating
- System design tested for over 10,000 flight hours in a 160°F controlled environment
- Extra-heavy-duty DC motor
- Three-valve design offers three-level redundancy

"PILOT FRIENDLY" AND "MAINTENANCE FRIENDLY" SYSTEMS

- Less training required for system maintenance
- Easy-to-read control display - vacuum fluorescent text/graphics display
- On-Board Diagnostics - A simple "go/no-go" status gives pilots an early warning should there be a problem.
- "Black Box" or cable change out/swap program streamlines needed maintenance



The new FRDS Gen II Pilot Interface display.

OVER THE FIRE, FRDS GEN II DELIVERS.

When approaching the fire line, pilots can quickly dial-in the coverage level, drop amount and ground speed with the FRDS Pilot Interface. Then, with a press of the control stick trigger, the FRDS computer takes over - opening and closing the fire gate doors, and delivering a consistent, even drop. For pilots, operators and fire management officials it's a "point and shoot" system that proves its worth with every pass.

