

# Initiator

For Hughes/Schweitzer 300 Helicopters



The Initiator was designed to offer light net weight, which is so critical to payload and performance on smaller aircraft. The Isolair 2700 series is sturdy and reliable, yet significantly lighter than other brands.

Designed for optimum convenience and performance, Isolair Initiator spray systems are ideal for application of any liquid pesticide, herbicide or insecticide with Hughes/Schweitzer 300 Helicopters.

The Initiator features the user-oriented innovations and quality manufacturing that make Isolair the favorites of pilots and application managers.

## **Easy to install**

One person installation.

## **Lightweight**

Gain 50 pounds of payload.

## **Cargo hook**

Can be used with system installed.

## **Standard skid gear**

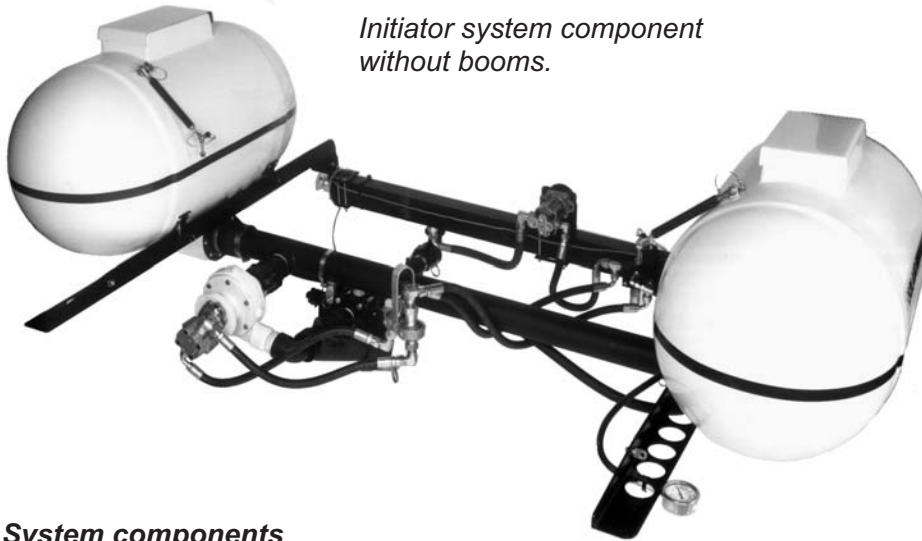
Extended or high skid gear is not required.

## **Increased VNE**

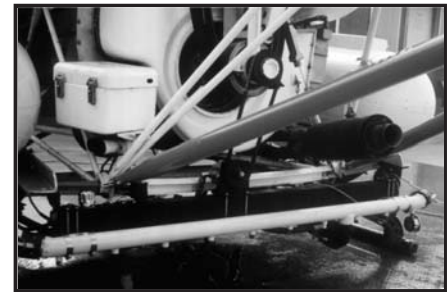
Air speeds to approximately 80 MPH (70 KIAS)

# Initiator

## Components and specifications



Initiator system component without booms.



Above: The Hydraulic Drive on Model 2700 may also be used to power other application systems.  
Below: System controls are conveniently on cyclic.

### System components

**Pump:** Hydraulic motor driven. see chart For flow and pressure

**Boom valve:** Hydraulic or electric motor driven. Provides negative pressure on boom in off position.

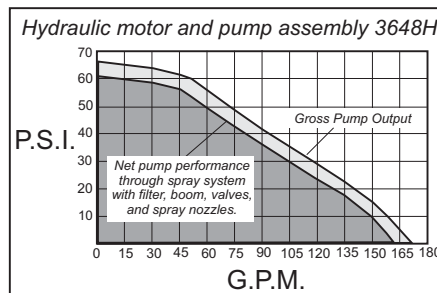
**Flow control unit:** Allows pilot to enter Desired boom pressure in flight.

**Hydraulic drive unit:** Consists of engine-Driven pump, reservoir and pressure regulator, providing power to drive spray pumps, plus other fertilizing, seeding and dry application systems.

**Cyclic control:** Allows pilot control of pumps, boom valve, emergency dump, flow control (boom pressure) and Auto Flagman (optional).

**Boom assembly:** Outboard booms can Be rotated for desired nozzle position relative to airflow across nozzle orifice.

**Tank assembly:** External, side mounted.



### Specifications

#### Initiator Model 2700:

Net weight:	119 lbs. (53 kg)
Gross weight:	617 lbs. (280 kg)
Capacity:	60 US gal. (227 ltr)
Boom span:	29 ft. (8.8 m)
Power requirements:	12 VDC or 24 VDC
Swath:	40 to 60 ft. (12.2 to 18.3 m)
Nozzle holes:	58
Airspeed VNE:	80 MPH (70 KIAS)