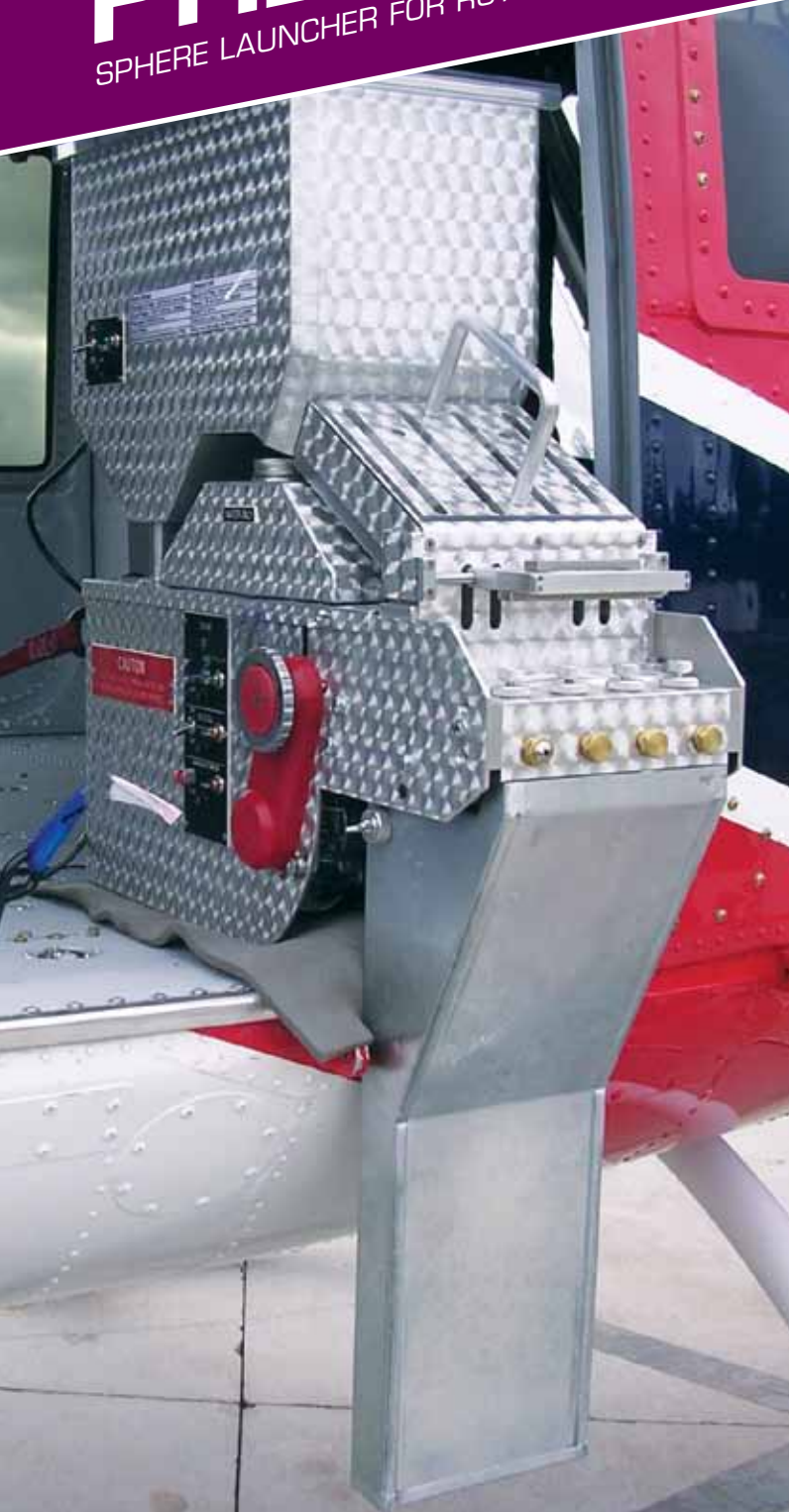


# AERIAL FIRE IGNITION PREMO PSD

SPHERE LAUNCHER FOR ROTARY WING AIRCRAFT

**SEI**  
INDUSTRIES



The Premo Plastic Sphere Dispenser (PSD) is a compact and dependable aerial ignition device dispenser. Made of aluminum, the Premo PSD is designed to safely inject Premo Fireballs with ethylene glycol and accurately release them over targeted areas.

The Premo PSD is designed to work with most modern rotary wing aircraft including the Bell 206 and other flat floor models from various manufacturers. Controls are easy to learn and operate and are designed to prevent the accidental release of ignition devices. Before being expelled from the aircraft and landing in the target area, each sphere is injected with ethylene glycol to guarantee ignition seconds later.

As a safety feature, the Premo PSD is equipped with a 3.25 L water reservoir that is engineered to extinguish a potential fire within the injecting area. Any jams can also be quickly cleared so that downtime is minimized and air time is maximized.

## FEATURES

- High mechanical reliability with low maintenance requirements
- Maximum operational safety – built-in fire suppression system
- Dispensing rate – 45 to 130 drops per minute
- Manual reset circuit breakers
- Rugged aluminum storage and transportation case
- Industry-leading warranty

## EASY TO USE

Controls for the Premo PSD are easy to use with a minimum of operator manipulation. The unit is powered through the standard 24V aircraft power supply. Before take-off, the feed mechanism and glycol injection system can be run independently, allowing the operator to test and make adjustments. The variable dispensing rate can be manipulated effortlessly depending on your flight speed, burn assessment, topography, under story fuel conditions and grid spacing.



**PREMO FIRE IGNITION**

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# PREMO PSD



The Premo PSD is shaped to fit the rear doorsill of the Bell 206 helicopter and can be configured to any aircraft using modified support brackets.

## PREMO PSD SPECIFICATIONS

	STANDARD	METRIC
<b>OPERATIONAL DIMENSIONS</b>		
LAUNCHER UNIT	27.5" x 10.5" x 26.0"	68.5 x 27.0 x 66.0 (cm)
<b>OPERATIONAL WEIGHT</b>		
MAINFRAME (GLYCOL TANK FULL)	61.0 lb	27.5 kg
HOPPER AND CHUTES	23.0 lb	10.5 kg
EMERGENCY WATER SUPPLY	8.5 lb	3.8 kg
PREMO FIREBALLS (450 SPHERES)	6.0 lb	2.7 kg
<b>TOTAL</b>	<b>98.0 lb</b>	<b>44.5 kg</b>
<b>SHIPPING</b>		
CRATE DIMENSIONS	31.5" x 14.0" x 27.5"	80.0 x 35.5 x 70.0 (cm)
<b>POWER</b>		
VOLTAGE	24 VDC	
<b>FLUID VOLUMES</b>		
GLYCOL TANK	2.4 USG	9.0 L
WATER TANK (FULL)	0.8 USG	3.5 L

The Premo PSD is constructed from an aircraft-grade aluminum alloy that is corrosion resistant, yet lightweight. All the components, including pumps and motors, are engineered for toughness, reliability and ease of maintenance.