

Aerial Fire Ignition Red Dragon Plastic Sphere Dispenser

SEI
INDUSTRIES



The low-maintenance Red Dragon® combines unsurpassed reliability with peak performance. With its larger capacity hopper, the productivity of this machine remains unmatched by any other approved Plastic Sphere Dispenser (PSD). Features such as its quick purge and lightweight design also give the Red Dragon unquestionable safety.

The Red Dragon is controlled using a hand-held remote which allows the operator to select various dispensing speeds. This level of control represents a significant advancement over the past where the helicopter would have to change speed to achieve the same result. In addition, this rate control enables the dispersal of Dragon Eggs, in perfect concentration levels, to match the terrain below.

FEATURES

- Seven different drop rates
- Micro-processor controlled motor and feed gates
- Fixed-displacement pumps
- A safety system that utilizes a back-up battery
- Variable dispense rate from 25-175 eggs per minute
- Quick purge system for maximum safety
- Maintenance free for easier operation
- Smaller size frees up more room inside aircraft
- Increased hopper capacity
- Variable speed settings
- No need to adjust glycol levels
- Compatible with 1" Dragon Eggs

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"It works so well putting in a backing fire that ground ignitions calls in the helicopter to do all the firing and we are about out of balls."

Daniel Laber
U.S. Fish and Wildlife Service

Burning pattern of the Red Dragon PSD.

RED DRAGON SPECIFICATIONS

	STANDARD	METRIC
OPERATIONAL DIMENSIONS		
LAUNCHER UNIT	24.5" x 10.8" x 19.0"	62.4 x 27.3 x 48.3 (cm)
LAUNCHER UNIT WITH BASE	24.5" x 10.8" x 24.0"	62.4 x 27.3 x 61.0 (cm)
OPERATIONAL WEIGHT		
EMPTY LAUNCHER UNIT	48 lb	21.8 kg
ETHYLENE GLYCOL	7.9 lb	3.6 kg
EMERGENCY WATER SUPPLY	4.1 lb	1.9 kg
DRAGON EGGS (650 SPHERES)	6.4	2.9 kg
TOTAL	66.4 lb	30.1 kg
SHIPPING		
CRATE DIMENSIONS	31" x 13" x 24"	79 x 33 x 61 (cm)
LAUNCHER UNIT EMPTY WEIGHT	48 lb	22 kg
SHIPPING CONTAINER	44 lb	20 kg
MISCELLANEOUS	2 lb	1 kg
TOTAL	94 lb	43 kg
POWER		
VOLTAGE	24 – 32 VDC	
CONNECTOR	MS3116F-12-3P (Pin A + 28V, Pin B GND)	
MAIN CIRCUIT BREAKER	5A, MS3320	
FLUID VOLUMES		
GLYCOL TANK	0.8 USG	3.2 L
WATER TANK (FULL)	0.5 USG	1.9 L
WATER TANK (MIN. REQUIRED)	0.4 USG	1.5 L

ADDITIONAL FEATURES

- 66.4 lbs (30.1 kg) wet weight
- Large egg capacity (650 spheres)
- Tethered remote control

SPARE KIT COMPONENTS

- 2 x injection needles
- Tubing to meet requirements
- 2 x tube caps

REPAIR KIT COMPONENTS

- Phillips and slotted screwdriver
- 2 x 7/16" combination wrenches
- Needle nose pliers
- 1/8" allen key
- 2.5 mm allen key
- Tip cleaner set
- Small metal bristle brush
- 1 x Scotchbrite pad

OPTIONS AND ACCESSORIES

- Bench test power supply unit
- Longer belly strap to accommodate any

helicopter

The products within the Dragon division are the result of collaborative work between SEI Industries Ltd. and Field Support Services

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