

# AERIAL FIRE IGNITION RED DRAGON

NEW GENERATION 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

**DRAGON**<sup>®</sup>  
FIRE IGNITION PRODUCTS

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# RED DRAGON



“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                  |
|-------------------------------|--|-------------------------|
| <b>OPERATIONAL DIMENSIONS</b> |  |                         |
| 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) |
| <b>OPERATIONAL WEIGHT</b>     |  |                         |
| 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                  |
| <b>TOTAL</b>                  | <b>66.4 lb</b>                         | <b>30.1 kg</b>          |
| <b>SHIPPING</b>               |  |                         |
| 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                    |
| <b>TOTAL</b>                  | <b>94 lb</b>                           | <b>43 kg</b>            |
| <b>POWER</b>                  |  |                         |
| VOLTAGE                       | 24 – 32 VDC                            |                         |
| CONNECTOR                     | MS3116F-12-3P (Pin A + 28V, Pin B GND) |                         |
| MAIN CIRCUIT BREAKER          | 5A, MS3320                             |                         |
| <b>FLUID VOLUMES</b>          |  |                         |
| 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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