
Section 3: Emergency Procedures

Equipment Malfunctions

The Red Dragon dispenser has been designed to maximize safety under normal operating conditions. By following the correct procedures, as outlined within this manual, the system will provide a consistent supply of Dragon Eggs to the target within minimal interruption. However, equipment malfunctions can still occur and, due to the nature of the operation, safety must remain paramount. Interruption of operation caused by a jammed sphere or a power failure will result in a primed sphere remaining within the injection head. Spheres remaining within the head may be primed with glycol and will auto-ignite within the head.

Jammed Sphere

The operator is alerted to a jammed sphere by any of the following conditions:

- “FAULT” indicator on the tethered remote control flashes.
- “MOTOR FAULT” indicator on the main control panel illuminates.
- Manual hand-wheel stops rotation when the feed gates are open and machine has power.
- Flow of spheres into the gate block stops when the feed gates are open and machine has power.

If a sphere jam occurs in the machine, take the following immediate actions:

- If automatic clearing fails, notify the pilot of the situation.
- Press the manual feed control knob to close and lock the feed gates.
- Rotate the manual hand wheel in the reverse and forward directions to clear the jam.
- If jam clears, notify the pilot that burning can recommence.
- Toggle the feed gate switch to the “OPEN” position to reopen feed gates.

CAUTION

If the hopper is removed during operations, the top two spheres in the gate assembly must be retrieved before re-attaching the hopper. Failure to do so may prevent opening of the gates.