

## PROINERT<sup>®</sup> SOLENOID ACTUATION PACKAGE

### DESCRIPTION

Each ProInert system requires a solenoid actuation package, P/N 70-202, for valve activation. A single solenoid actuation package can activate up to 60 discharge valves or slave actuators, P/N 70-229.

The actuation package contains an electrically activated solenoid valve connected to a rechargeable nitrogen cylinder, that when operated allows pressure from the nitrogen cylinder to flow into the pneumatic actuator on the ProInert valve, resulting in valve activation and agent flow.

All necessary hoses and fittings are supplied for the connection of the solenoid actuator to the pneumatic actuator of the first cylinder valve of the ProInert system. Fittings are also included to allow connection of actuators in multi-row cylinder racks. Also included is a vent valve assembly for connection to the last pneumatic actuator of the system.

The actuator may be activated electrically or manually. Electrical activation is accomplished via a 24VDC signal from the control panel. To initiate manual activation, remove the locking pin and press down on the manual activation button.

Refer to manual 06-371 for installation and manual 06-337 for recharge.

*Note:* The solenoid actuator **MUST** be mounted in the bracket provided by Fike and the bracket **MUST** be securely anchored in an accessible location where it will not be damaged.



### SPECIFICATIONS

#### Electric Solenoid

Nominal Supply Voltage:	24VDC
Current Consumption:	0.400A
Minimum Signal Duration:	2 seconds
Electrical Connection:	1/2" Female Conduit Connection
Electrical Rating:	N.E.C. Class 1, Group C & D and Class 2, Group E, F & G

#### Pressure Switch

Housing Classification:	IP67
Contact Rating:	Contacts rated at 0.1A/30V DC
Electrical Connection:	M8 x 1 Female Plug with 0.4m halogen-free 22Ga cable
Pressure Setting:	1647 psi (118 bar) decreasing

#### Nitrogen Cylinder

Fill Pressure:	1800 psig (124 barg)
Volume:	28 in <sup>3</sup> (460 ml)
Classification:	DOT 3E1800/TC-3EM 124

### APPROVALS

- U.L.
- F.M.
- U.L.C.

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*U.S. Patent 6,871,802 and Foreign Patents*