

## PROINERT® SOLENOID ACTUATION PACKAGE

### DESCRIPTION

Each single-cylinder Fike ProInert system requires a ProInert Solenoid Actuation Package, IG71-036, for valve activation.

The ProInert 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.

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 to multi-row cylinder racks. Also included is a vent valve assembly for connection to the last pneumatic actuator of the system. The installer must provide a diode (IN4004) for connection to the electric control panel. (Refer to control panel manual for connection details.)

By pneumatically connecting the pneumatic actuators on multiple cylinders, a single ProInert Solenoid Actuation Package can activate up to 60 ProInert discharge valves and a single slave actuation package, P/N IG71-019.

The ProInert Actuation Package is activated electrically via a 24Vdc signal from the control panel.

Refer to manual 06-294 for installation and manual 06-321 for recharge.

*NOTE: The ProInert Actuation Package 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
Minimum Signal Duration:	2 seconds
Maximum Supervision Current:	10mA
Minimum Fire Current:	0.6 Amp
Electrical Connection:	DIN 43650 (Hirshmann)
Operating Temperature Range:	-20°C to 50°C

#### Pressure Switch

Temperature Limits:	-40°C to +60°C
Housing Classification:	IP65
Contact Rating:	Normally closed at >135 bar. Contacts rated at 5-100mA
Electrical Connection:	DIN 43650 Compact (Hirshmann) supplied with 0.3m cable
Pressure Setting:	135 bar (decreasing)

#### Nitrogen Cylinder

Filling Pressure:	160 barg @ 15°C. Refill if pressure drops below 135 bar @ 15°C
Volume:	410ml
Max. Exposure Temperature:	65°C
Classification:	2.2
Shipping Number:	UN1066
Approvals:	π marked

Form No. C.2.40.01-1

