

PROINERT® DUAL SOLENOID ACTUATION PACKAGE

DESCRIPTION

Each Fike ProInert Cylinder requires a ProInert Solenoid Actuation Package, P/N IG71-031, for valve activation.

The ProInert Actuation Package contains two electrically activated solenoid valves connected to rechargeable nitrogen cylinders, that when operated allow pressure from the nitrogen cylinder to flow into the pneumatic actuators releasing the agent on the control valves.

All necessary hoses and fittings are supplied for the connection of the solenoid actuators to the pneumatic actuator of the first cylinder valve of the ProInert system. Also included in the package are a 1/8" BSPT to 1/4" BSPP connector, a 1/4" bonded scaling washer, a 1/4" BSPP connector, a run tee, an elbow connector and two connection hoses. The installer must provide a diode (IN4004) for connection to the electric control panel (Refer to control panel manual for connection details). Also included is a vent valve assembly for connection to the last pneumatic actuator of the system.

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 brackets MUST be securely anchored in accessible locations where they 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

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