



Fire & Safety Industries

Global Fire Solutions

Single Point Isolation System

FSI's Single Point Isolation System (SPI) has been designed and engineered to mechanically isolate Loss of Pressure, Rise of Pressure and Electrically operated Foam, Dry Chemical Powder and Dual Agent mobile equipment fire suppression systems. Universally adaptable to all leading brands of fire suppression systems, Single Point Isolation effectively eliminates risk of chemical exposure to personnel, accidental discharges, and prevents chemical spills to ground, ensuring a safe working environment whenever heavy equipment maintenance is being conducted.

www.fireandsafety.com.au



FSI Single Point Isolation System

Fire & Safety Industries understands the importance of having an effective and reliable fire suppression system and we continually research, develop and test our products to ensure that customers are provided with the most advanced fire safety solutions available, helping safeguard your most important assets – your people.

Following the Queensland DEHP mandate on removal of AFFF foams from circulation, and ongoing concerns related to human and environmental exposure to dry chemical powders and foam concentrates, FSI has developed a universal system for safeguarding unintentional release of suppression agents from mobile equipment fire suppression systems.

Fire and Safety Industries, Single Point Isolation (SPI) Systems have been designed and manufactured specifically to standardise mechanical isolation of liquid and dry chemical agent Loss of Pressure, Rise of Pressure and Electrically operated mobile equipment fire suppression systems, without requiring removal of critical actuation or discharge components or programming modification to system control modules.

Adaptable to all makes and models of fire suppression systems, FSI Single Point Isolators are rugged in construction, require minimal maintenance, are simple to install and are plug and play in operation, providing heavy mining equipment operators a formal process for isolating onboard vehicle fire suppression systems regardless of system type.



Single Point Isolation System

In the event of fire propagation during equipment operation, optimal performance of the on-board fire suppression system is critical. By removing human factors during non-fire system related equipment maintenance practices, FSI aims to safeguard fire system integrity and functionality whilst protecting personnel from chemical exposure risks and unplanned customer expenditure.

Single Point Isolation advantages:

- Inhibits chemical exposure to personnel
- Stops unintentional release of chemicals to the environment
- Safe work method standardisation of fire system isolation practices regardless of system type
- Requires no removal of critical fire suppression system components during machine preventative maintenance practices
- Mechanical lockout can be applied to actuation or discharge circuits (depending on system type)
- Multiple levels of system redundancy and fail safes
- LED warning indicator for opposing valve directions on multi-valve systems
- Rugged construction with resin filled status enclosure
- Self-monitored
- Outputs for machine interlock integration (start circuit or E-stop)
- Independent visual and electronic status indicators
- Allows for controlled pressure and liquid release
- Does not impact system design, adds no restrictions to existing discharge or actuation pathways
- Adaptable for single or multi-cylinder fire suppression systems.



Fire System Isolation Status Panel



Single Point Isolation System

FSI Single Point Isolators are retrofittable to pre-existing vehicle suppression systems and installation can be easily incorporated into planned maintenance schedules, offering minimal disruption to production and downtime on machinery.

For more information on FSI Single Point Isolation systems contact our team today.

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