Customized Alarm & Shut-Off Solution

For Vehicle Fire Suppression Systems

The Application

Mobile fire suppression systems are designed to protect critical equipment by automatically detecting and suppressing a fire at its inception.

- Frequently used on military, commercial, mining and heavy-duty emergency vehicles.

The Challenge

Most OEMs purchase various instrumentation and components from multiple vendors and then have to assemble the components into a usable sub-assembly.

- This can be cumbersome and costly.

NOSHOK's Solution

NOSHOK provides a simple solution by offering a **complete sub-assembly package** which includes a **pressure switch with molded connection**, a **molded solenoid valve connector** and **wiring harness assembly** ready to **plug and play**. We also provide a **needle valve** for manual actuation/ **shut-off** when required.

This complete system is a single part number and component, which makes ordering easy. Purchasing a **packaged system** from a single source also **reduces cost**.





Mechanical Pressure Switches

- **100 Series compact SPST** switch is available in vacuum, low pressure and high pressure models
- **200 Series compact SPDT** is an SPST or SPDT snap-action switch with silver contacts, vacuum, low, high pressure options
- **300 Series compact SPDT switch offers adjustable hysteresis,** and utilizes proven diaphragm or piston-type sensing technology for excellent reliability, repeatability, and affordability
- **400 Series heavy-duty SPDT** snap-action switches provide an extremely stable switching point setting, and excellent repeatability of ±2% of full scale of adjustment range
- 400 Series switches were designed for applications requiring maximum accuracy under high loads
- Wide variety of ranges and connection options available



Mini Needle Valves

- Compact size valves built for maximum durability in the toughest applications
- **Patented body-to-bonnet, metal-to-metal seal** significantly increases the pressure range of the valve without compromising the flow & helps maintain the integrity of the bonnet threads by segregating them from the process media
- **100 Series hard seat** valves have a **maximum pressure of 10,000 psi**
- **150 Series soft tip** valves feature a patented Delrin® non-rotating soft tip stem, a back-up metal-to-metal seal, and have a **maximum pressure of 6,000 psi**
- Available in zinc-nickel plated steel and electropolished Stainless Steel
- Zinc-nickel provides exceptional corrosion resistance, increased deposit hardness, extended wear resistance, longer service life and is WEEE and RoHS compliant
- FKM o-ring seal and PTFE back-up ring below the stem threads protect from corrosion and galling; PTFEor Graphite packing optional
- All stem threads are 316 Stainless Steel and rolled for strength and ease of operation
- All NOSHOK valves are100% helium leak tested to 1 x 10^{-4} ml/s for guaranteed performance and reliability



Assembly/ Electrical Connection Options

- Virtually every electrical connection option available, including **spade terminals, integral cable, DIN EN 175301-803 Form A, M12 x 1 (4-Pin), Deutsch etc.**