



Measurement Solutions

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. These systems are 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:

We provide 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.



NOSHOK, Inc.

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ISO 9001:2015
REGISTERED

Mechanical Pressure Switches

- **100 Series miniature, low pressure** switch utilizes a proven diaphragm type sensing element to provide excellent accuracy
- **200 Series compact SPDT** switch operates using a high quality diaphragm or piston element to open or close a micro switch & features an external adjustment screw for ease of setting the switching point on-site
- **300 Series compact SPDT switch offers adjustable hysteresis**, and utilizes proven diaphragm or piston-type sensing technology for excellent reliability, repeatability, and affordability
 - 200 and 300 Series switches are RoHS compliant
- **400 Series heavy-duty** switches provide an extremely stable switching point setting, and excellent repeatability of $\pm 2\%$ of Full Scale
 - 400 Series switches were designed for applications requiring maximum accuracy under high loads
 - Wide variety of ranges 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
- Viton® o-ring seal and Teflon® back-up ring below the stem threads protect from corrosion and galling; Teflon® or Grafoil® packing optional
- All stem threads are 316 stainless steel and rolled for strength and ease of operation
- All NOSHOK valves are 100% helium leak tested to 1×10^{-4} ml/s for guaranteed performance and reliability

Assembly/ Electrical Connection Options

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