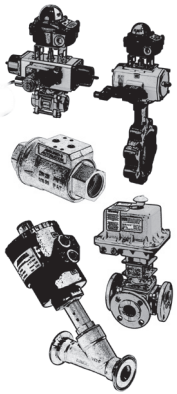
LIMITED WARRANTY

Assured Automation FireChek products are guaranteed against material and workmanship defects for one year from date of shipment. Our liability is limited to the replacement or repair, F.O.B. factory, of any material which upon our inspection we find to be defective. All returned goods transportation charges must be prepaid.

ASSURED AUTOMATION

We Make **Valve Automation** Easy

Other Products We Offer:



Automated Valves

- Ball Valves
- Butterfly Valves
- Plug Valves
- Angle Valves
- Compact Valves
- Lead Free Valves
- Firesafe Valves
- Valve Accessories
- Custom Valve Assemblies

Flow Meters

- Digital Flow Meters
- Mechanical Flow Meters

Assured Automation
19 Walnut Avenue
Clark, NJ 07066
1-800-899-0553
assured**automation**.com

FireChek®

Model:
☐ FC4NPT-**135**
☐ FC4NPT-**150**
☐ FC4NPT-**165**

assured**automation**.com

By: ASSURED AUTOMATION

FireChek® By: ASSURED AUTOMATION

Operation & Installation

Models:
FC4NPT-135
FC4NPT-150
FC4NPT-165

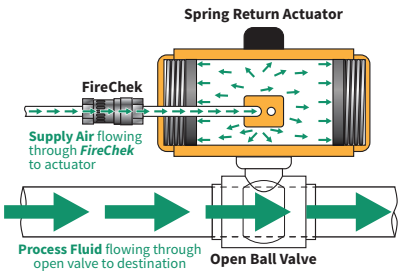
About the FireChek

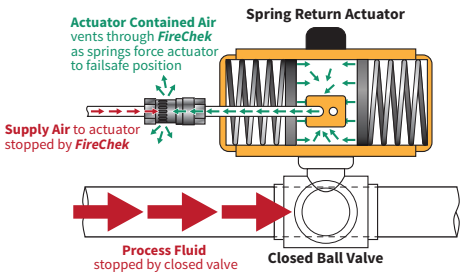
During a fire or excessive heat emergency, if air temperature exceeds the factory set activation point, the FireChek will perform both of these emergency operations simultaneously:

1. Closing the supply air line to prevent supply air from feeding the fire.

2. Allowing the air contained in the actuator to vent through the FireChek, which allows the spring return actuator to return the valve to its failsafe position.

The unit contains a coil spring made of a shape memory alloy that acts as a combined sensor and actuation element. Heat causes the spring to expand which in turn triggers the emergency operations.





FireChek®

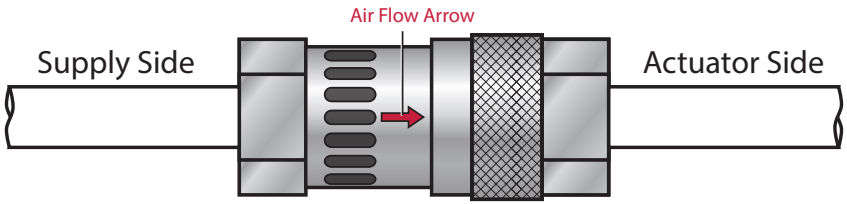
ASSURED AUTOMATION

Installing the FireChek

1. The FireChek can be used with any pneumatically operated device, most commonly spring return valve actuators.

2. All FireChek FC4NPT models can vent 1 liter of air in 1 second at 125psi. If your application requires that the venting of air must happen more rapidly, use a FireChek with Quick Exhaust, or FireChek PLUS Pilot Valve. Call Assured Automation at 1-800-899-0553 or visit **assuredautomation**.com for details.

3. When installing the FireChek, be sure that the air flow arrow is pointing in the direction of the supply air flow (towards the actuator)



4. Connect the FireChek to the supply air line and actuator/device using 1/4" MNPT piping or 1/4" MNPT to tubing adapters. Use Teflon tape on all threaded connections to ensure an air-tight seal.

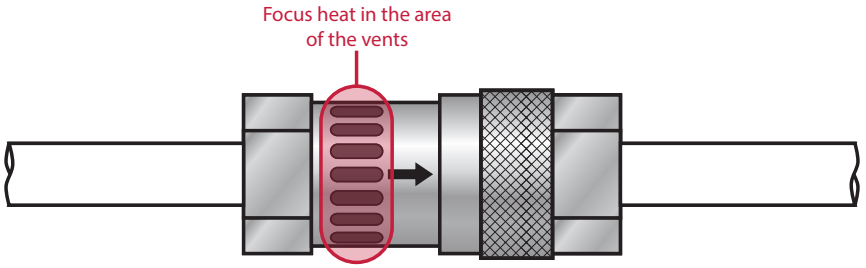
5. Tighten all threaded connections with a wrench and test your connections for leaks using compressed air.

That's It!

Your system is now equipped to minimize damages in the event of a fire or other heat related emergency.

Testing and Resetting the FireChek

Testing of the FireChek can be part of a routine safety maintenance program since it can be reset. All FireChek models can be tested by using a heat source to bring the unit to a temperature above the activation temperature. A variable temperature heat gun is recommended When the activation temperature is exceeded, the FireChek will trigger, and the emergency operations will commence.



****DO NOT EXCEED 400°F DURING TESTING!****

Doing so will damage the unit and it must then be replaced.

If the FireChek is triggered by an actual fire emergency,

it MUST be replaced.

After testing, (and allowing to cool) the FireChek can be manually reset with a simple twist by hand of the knurled reset sleeve. Twist in the direction of the reset arrow on the sleeve. You will hear the mechanism reset.