

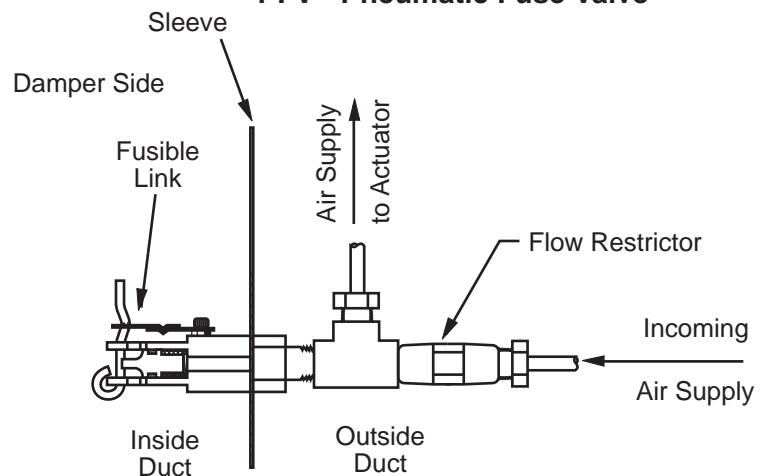


## OPTIONS PFV (PNEUMATIC FUSE VALVE) AND EFL (ELECTRIC FUSIBLE LINK) FOR COMBINATION FIRE / SMOKE DAMPERS

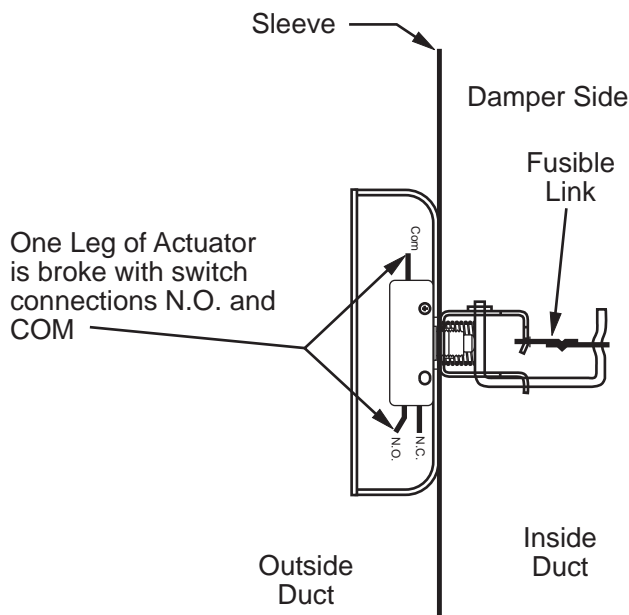
In today's world of many variables and controlled cost, NCA offers several options to meet the needs of the industry. In many cases, the need to check for damper operation in the event a fire occurs is very hard to do, especially with the system running in a real time case. NCA offers two options that allow for the fusible link to be removed and the operation of the damper checked, as in the event of a fire. Just merely turning the power off to the actuator may not tell you if the damper will close if the total HVAC system is shut down. It is also very difficult to melt the link while the system is running. Many times the system designer would like a systematic control closure of the damper to prevent ductwork implosion. NCA offers the options PFV and EFL to meet these needs.

The **PFV** option has several features that make it a good choice as a must on your job. First it does not require electric power to be at the damper's location. An E-P switch is not required on a pneumatically actuated damper which has this option. When the link melts, the pneumatic power does not have to be shut off for the damper to close. The PFV costs less and has fewer parts to maintain than an E-P switch. Another feature is that the link can be easily removed and the damper inspected for operation under airflow conditions. By using the PFV over conventional fuse links, the HVAC system can be systematically control closed to prevent any duct implosion problems. Fusible links are available at 165°F and 212°F temperatures.

### PFV - Pneumatic Fuse Valve



### EFL - Electric Fuse Link



The **EFL** option has several features that make it a good choice as an option on your job. The fusible link can easily be removed from it's holder, thus causing the damper to close and be inspected while the HVAC continues to run. In many cases the EFL package can be easily removed from the outside of the duct and the link removed. By using the EFL over conventional fuse links, the HVAC system can be systematically control closed to prevent any duct implosion problems. Fusible links are available at 165°F and 212°F.

### Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every six months and in accordance with the latest edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.