



VUSC

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INTRODUCTION TO

OVERPIPE®

OVERPIPE HDPE
Mechanical Protection
Plates



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APPLICATIONS



Oil & Gas Pipelines

Steel
PE

Electric
Cables/Conduit



Buried Power Lines

Power Feeds to
Natural Gas
Facilities
Fiber Optic Cables
Telecom



Water Lines



District Heating



Add a footer



**We can't control when
fire will impact our
meter assets**



**but, with a
Thermally Activated
Shutoff we can control gas
from becoming involved.**





What are Thermal Activated Shutoffs (TAS)

(AKA – Gas Fire Safety Valves)



What these products do: Automatically stop the flow of gas when exposed to the heat of a fire.



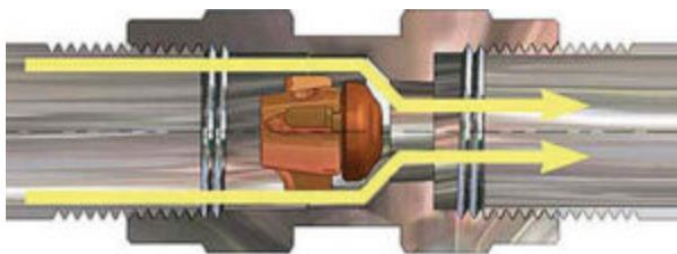
How these products work: When exposed to fire and the temperature becomes elevated (165° - 400 F), a thermally designed mechanism will release and close the TAS stopping the flow of gas during and after the fire.



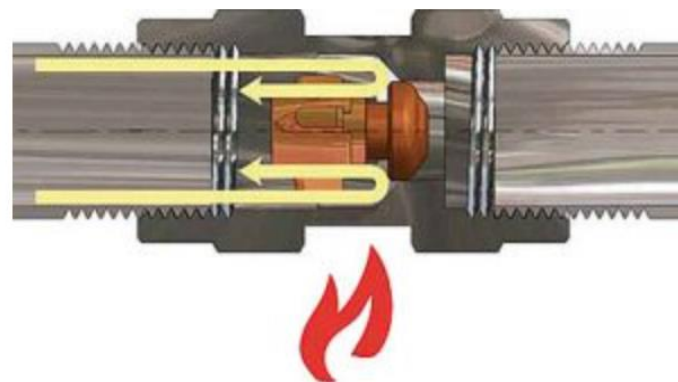
Utility Applications: Installed on jurisdictional gas piping in meter set buildups upstream of heat-vulnerable regulator and meter. The FSV shuts off the gas prior to regulator eliminating supply of high-pressure gas and potential for additional loss.



How TAS Technology Works



**Cross-section of Thermal Activated
Shutoff (TAS)
under normal operating conditions**



**Cross-section of Thermal Activated
Shutoff (TAS) when exposed to
203°-212°F and triggered to a closed
position**



Gas Meter Assembly Fire Exposure Testing

Prepared for:



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263 Cox Street
Roselle, NJ 07203

Prepared by:

James A Lynch
The Fire Solutions Group LLC
96 S. George Street, Suite 300
York, PA 17401



September 17, 2024



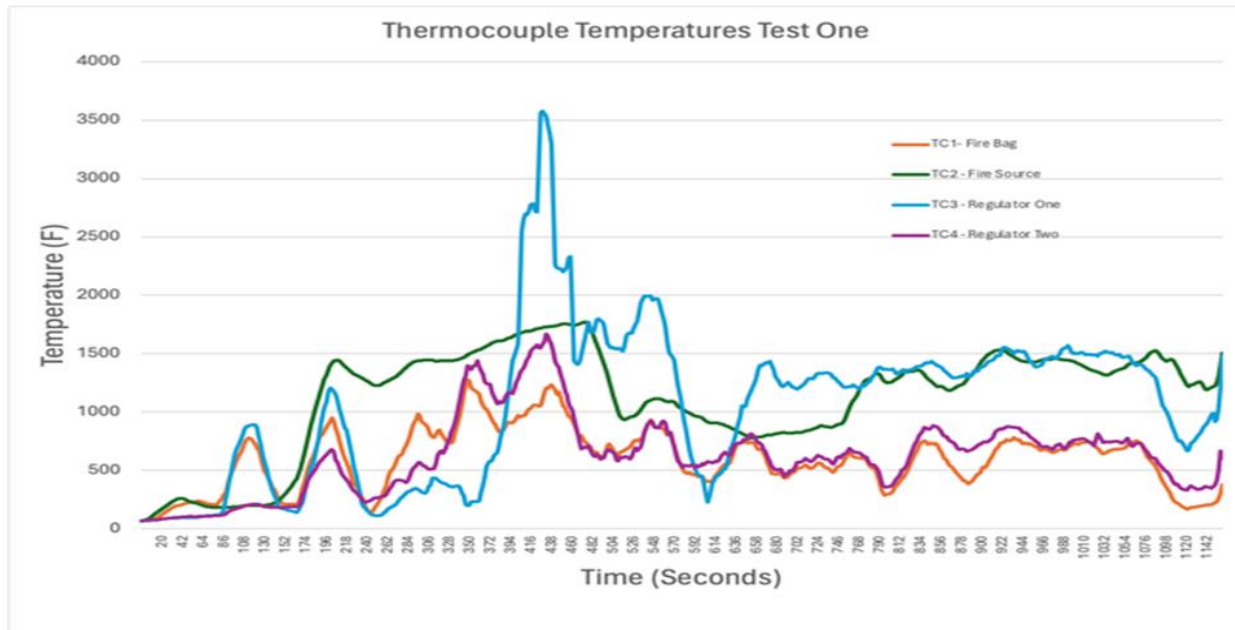
Test Results – Regulators fail < 3 minutes





FS LLC Test Results

- Every Regulator Failed < 3 minutes
- TAS operated and shutoff gas supply
- Gas fed fire effects other components
3,500-degree Class B





Flower Branch Incident

August 10, 2016



CO LAWSUIT FILED FOR VICTIMS OF APARTMENT EXPLOSION
AUGUST EXPLOSION IN SILVER SPRING KILLED 7



FORECASTS

CURRENTS

FALLSTON: PARTLY CLOUDY

64°

abc 2

5:07

72°



TAS technology

- We know this technology exist and it works.
 - It is a proven and reliable gas safety device, and it's available to our industry.
 - We cannot hide from the possible consequences of a gas fire.
- ☐ **We would need to justify why we shouldn't adopt this safety technology into our standard practice.**



DIMP – Fire Damage

Probability:

- Fires Happen - beyond our control
- Higher risks meter locations – outside hazards
- Building density = higher probability of fire
- Areas prone to wild / brush fires / mulch fires

Risks Drivers:

- Gas pressure
- Regulator / meter location
- Regulator Size
- Valve accessibility
- Structure type
- CSST piping

Consequence Drivers:

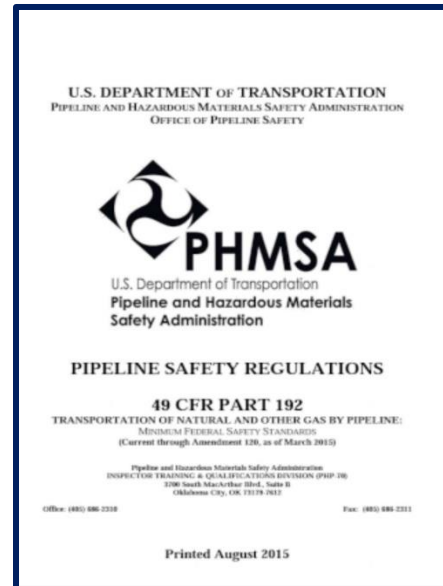
- Number of occupants
- Insurance claim value
- Company reputation / liability



Increasing awareness / codification



NAPSR





As professionals responsible for the safety of natural gas delivery systems, we have an obligation to employ the known and proven safety technology, equipment, and practices to protect customers, the public, our workers, and the first responders.

They all expect this of us; we expect this of us.





Thank You and Stay Safe

- Questions?
- Visit us at: Tecoamericas.com
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