

# QR-S Mechanical Damping Device

## Brochure



### Introduction

#### Who We Are

Utility Solutions Group is a manufacturer of natural gas regulators and relief valves based in Columbus, OH. All products are made in the USA and compliant with the requirements of the Build America, Buy America Act. Utility Solutions Group's Quality Management System is certified to ISO 9001 by Smithers Quality Assessments.



### QR-S Mechanical Damping Device

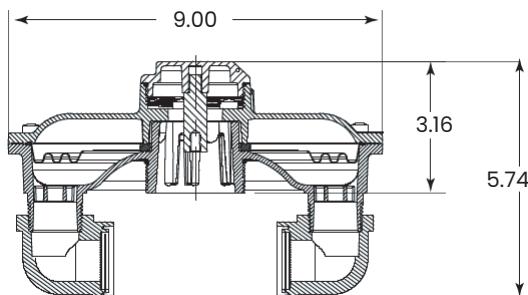
#### Benefits

- Enhanced response time
- Eliminates extreme pressure drop at start-up
- Easy field retrofit
- Cost-effective solution
- Set pressure adjustable with QR-S installed
- Rated to 25 psi MAOP

#### Applications

- High-Efficiency Boilers
- High-Efficiency Burners
- Generators
- Other High-Efficiency Gas Equipment

#### Physical Characteristics



### Utility Solutions Group QR-S

#### Gives capability to Install High-Efficiency Burners or Boilers in Existing Pipe Configurations

The QR-S is a mechanical damping device that enhances gas pressure regulator response to meet the instantaneous ignition requirements of high-efficiency gas equipment.

Whether you're replacing older burners and boilers or installing new high-efficiency units, existing pipe configurations and other equipment can impact operation. That's because electronic ignitions on high-efficiency equipment can create negative pressure in the line as gas is quickly drawn into the combustion chamber. The immediate call for gas can exceed pressure regulator settings, resulting in high lock-up or excessive pressure drop conditions that terminate ignition.

The QR-S is a simple solution that maintains precise pressure without negatively impacting high-efficiency burner or boiler operations.

#### Regulator Compatibility

The QR-S is compatible with the regulator models listed below. For other models, variations, and body styles, please contact your Utility Solutions Group representative.

Model	Variations
Model: 243-8	-1, -2, -1M, -2M
Model: 243-12	-1, -2, -1M, -2M
Model: 121	-8, -12, -16
Model: 122	-8, -12

USG Headquarters  
1050 Dearborn Dr.  
Suite 200  
Columbus, OH 43085

[support@my-usg.com](mailto:support@my-usg.com)  
614-704-5650  
888-456-6060 (International)