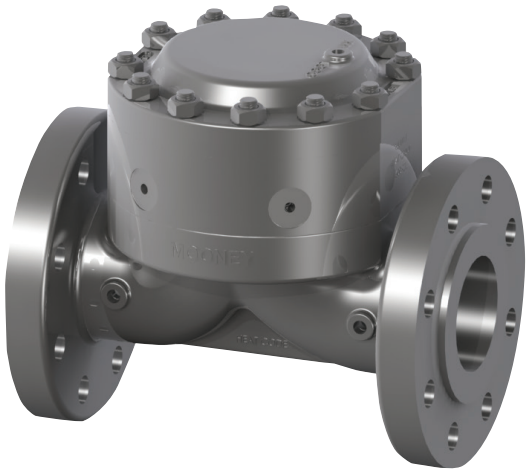
Mooney
a Baker Hughes business

Flowgrid™ Noise Controller (FG-NC)

Providing cost effective noise attenuation solutions for the Mooney Flowgrid regulator in natural gas applications



Avoid Costly and Complicated Noise Attenuation Alternatives

The FG-NC is designed with exclusive Baker Hughes patent pending technology. Avoid costly noise attenuation alternatives such as building a shed, wall, dirt berm, noise manifold and others. Because the FG-NC is integrated into the top entry design of the **Mooney**™ Flowgrid regulator, installation can be done in-line with ease. Cost effectiveness, easy installation and reliable performance are just some of the reasons customers prefer the FG-NC.

At Baker Hughes we provide our customers with more than a highly engineered product and reliable technical support. We offer free training videos to our customers that cover the products' principles of operation, installation, maintenance, and troubleshooting. A 3D model library is also available free of charge. Contact your local representative for more information.

The FG-NC can either be factory installed or ordered as a retrofittable kit. The device has several unique features that provide value for our customers.

Applications

- Use where low noise levels are required
- Retrofittable on Mooney Flowgrid regulator
- Changing gas conditions
- District regulator station in residential areas

Features

- Reduction of noise measured up to 25 dBA
- Top entry design
- Low parts count
- Durability – designed to last as long as the regulator
- Performance – full ASME rating on both inlet and outlet

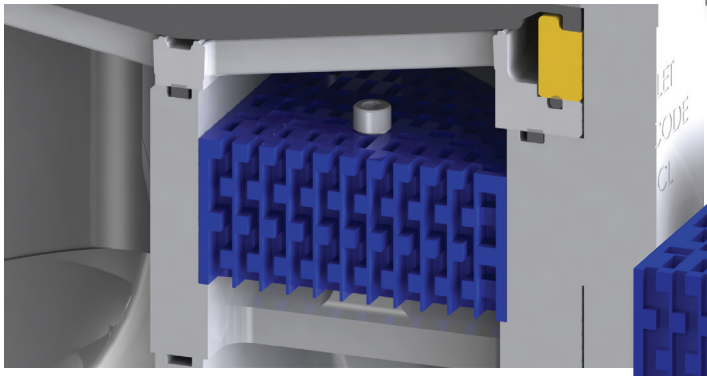
Customer Benefits

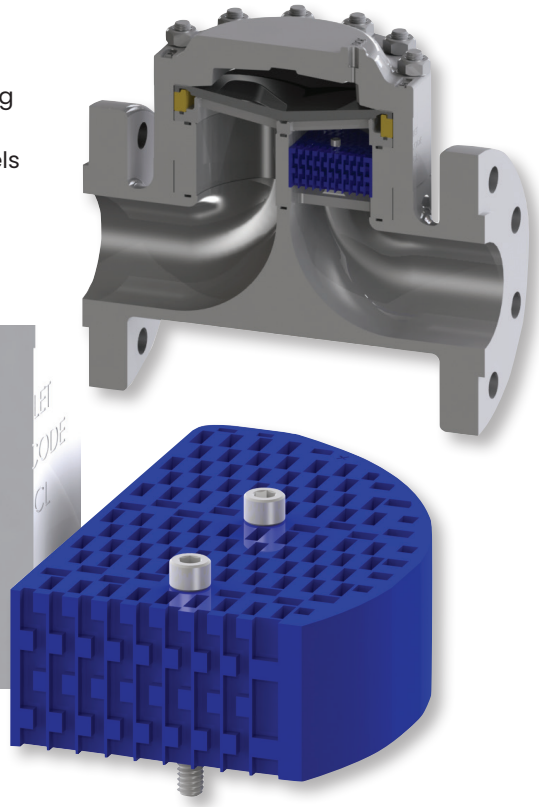
- Cost effective solution
- Reliable noise reducing solution
- Ease of installation and maintenance
- Creates less turbulence
- Reduced vibrations
- Low inventory cost due to low parts count
- Helps reduce problems in regulator's system

Principle of Operation

The FG-NC retrofits on most Mooney Flowgrid regulators. To understand the principles of operation for the Flowgrid, please refer to the Flowgrid instruction manual. The FG-NC acts as an energy absorber, reducing sound and vibrations.

The FG-NC is a noise reduction device that mounts into the existing Flowgrid assembly. After the gas flow exits the standard Flowgrid throttle plate, it is required to pass through a series of flow channels created by the Noise Plate Assembly. As the gas passes through these channels, the noise energy is dissipated, causing an overall reduction in valve noise.





Specifications	
Size (in)	1, 2, 2 (AC), 3, 4, 6, 8, 10, 12
Size (DN)	25, 50, 50 AC, 80, 100, 150, 200, 250, 300
ASME Class	150, 300, 600
Temperature **Working** **Emergency**	 -20°F to 150°F (-29°C to 66°C) -40°F to 175°F (-40°C to 79°C)
Maximum Operating Differential	800 psi (55 bar)[1]
Maximum Emergency Differential	1000 psi (69 bar)[1]
Maximum Inlet Pressure	1480 psig (102 bar)[1]
Flow Direction	Uni-Directional

1. May be limited by body rating of Flowgrid regulator

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