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All-Weather Insulated Flame-Arrestor Breather Valve for Storage Tanks

This breather valve with flame arrestor is designed to maintain the pressure balance in storage tanks and reduce vapor loss. It is a key safety and energy-saving device. By utilizing heat transfer from vapor, it prevents the valve components from freezing, ensuring normal operation. It is often used together with a flame arrestor.

Our (insulated) breather valve features a simple design, large ventilation capacity, low leakage, corrosion resistance, and insulation. The valve seat is made of PTFE, providing excellent low-temperature resistance and anti-freezing properties. It also has an electrostatic protection device, ensuring the valve stays at the same electrical potential as the tank, enhancing safety.



Technique Specification:

Body: Aluminum
Cap:Aluminum
Flame Arrestor Base:Aluminum
Flame Arrestor Core:Layered Folded Stainless Steel
Valve Disc: Brass
Gasket: PTFE
Size: DN50
Temperature Range:-40~+60°C
Standard of connecting flange can be produced according to client's detailed requirement.

Operating Pressure:

Type A: +355Pa (+36mmH₂O) to -295Pa (-30mmH₂O)
Type B: +980Pa (+100mmH₂O) to -295Pa (-30mmH₂O)
Type C: +1750Pa (+180mmH₂O) to -295Pa (-30mmH₂O)
Type D: Custom-made based on user requirements (special pressure rating)

Note: Normally, the operating pressure of the (or with flame arrestor type) breather valve follows the B-type standard.

Applicable Materials: Gasoline, kerosene, diesel, aromatics, sulfur, air, and other petrochemical materials.

Ordering Specifications:

Model	Connection Method
GFQ-A-50FA	2 inch Flange with 2 inch Flange Connection Flame Arrestor
GFQ-B-50FA	2 inch Flange with 2 inch Flange Connection Flame Arrestor
GFQ-C-50FA	2 inch Flange with 2 inch Flange Connection Flame Arrestor
GFQ-D-50FA	2 inch Flange with 2 inch Flange Connection Flame Arrestor
GFQ-A-50	2 inch Flange without Flame Arrestor
GFQ-B-50	2 inch Flange without Flame Arrestor
GFQ-C-50	2 inch Flange without Flame Arrestor
GFQ-D-50	2 inch Flange without Flame Arrestor

Standard of connecting flange can be produced according to client's detailed requirement.

All-Weather Design: Designed to withstand various weather conditions, including freeze, rain, and dust protection.

Flame Arrestor Type: Features a flame arrestor design that prevents flames from entering the interior.

High Performance: Responds quickly to internal pressure changes, ensuring stable pressure regulation.

Easy Maintenance: Simple structure, easy to disassemble and maintain.

Long Service Life: Made with high-quality materials and advanced craftsmanship for durability.