

# Defender Safety System®

**Bradford White's Defender Safety System® is a proven combustion system that resists the ignition of flammable vapors outside the water heater.**



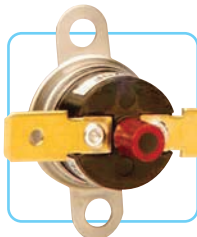
Gas Control Valve  
with Exclusive  
GREEN LED Indicator



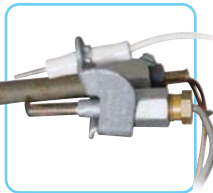
Integrated  
Piezo Igniter



Sight Window  
to Combustion  
Chamber



Resettable  
Thermal Switch



Thermopile  
(no electricity required)

**DEFENDER**  
Safety System®

- Featuring Advanced ScreenLok® Technology Flame Arrestor
- Air scrubbing water heater jacket and combustion chamber base
- Resettable Thermal Switch
- Proven Low NOx Design
- Virtually Maintenance Free
- Combustion Chamber Sight Window

Committed to American Manufacturing, Wholesale Distribution, and Professional Installation.

  
**BRADFORD WHITE**  
WATER HEATERS  
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# The Bradford White Defender Safety System® is designed to be the safest, most reliable flammable vapor ignition resistant system in the industry.



The heart of Bradford White's Defender Safety System® is the ScreenLok® Technology flame arrestor.

The louvered flame arrestor design increases the speed of incoming combustion air and creates a vector effect inside the combustion chamber when flammable vapors are ignited. This prevents flames from traveling back through the flame arrestor and outside the water heater.

### Resettable Thermal Switch

Safely shuts system down in case of ongoing flammable vapor burn in combustion chamber or air flow blockage. Allows quick and easy service (only for atmospheric models).

### Air Scrubbing Combustion System

Openings in the water heater jacket and the combustion chamber base force directional changes to combustion air flow effectively scrubbing the air of lint and dust.

### Virtually Maintenance Free

No regular cleaning of air inlet openings or flame arrestor is required under normal conditions.

### Sight Window

Offers a view into the combustion chamber to observe the operation of the pilot and burner.

**DEFENDER**  
Safety System®



Scan here to watch a video on the Bradford White Defender Safety System®



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