

# Defender Safety System<sup>®</sup>

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



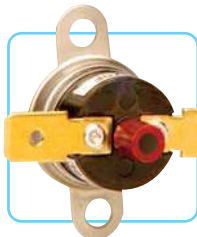
Gas Control Valve  
with Exclusive  
GREEN LED Indicator



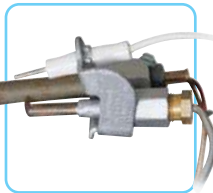
Integrated  
Piezo Igniter



Sight Window  
to Combustion  
Chamber



Resettable  
Thermal Switch



Thermopile  
(no electricity required)

**DEFENDER**  
Safety System<sup>®</sup>

- Featuring Advanced ScreenLok<sup>®</sup> 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

# 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 arrester.

The louvered flame arrester 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 arrester 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 arrester 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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