

HINTS FOR HOMEOWNERS

Your Comfort, Your Safety And The Law

(NAPSA)—When it comes to new water heaters, safety is no accident. They will be safer because of both new regulations and one of the most significant technological innovations in over half a century.

The American National Standards Institute has decreed that all new 30-, 40- and 50-gallon conventional gas-fired water heaters in the United States must include design features and components that resist ignition of flammable vapors outside the heater. Although flammable vapor ignition outside the water heater is rare, it can occur when vapors from improperly stored or accidentally spilled gasoline, paint thinner or other flammables reach the flame from the water heater's burner. These vapors can then ignite and travel back outside the water heater.

In response to these new regulations, Bradford White Corporation, one of the nation's largest manufacturers of water heaters, has engineered the Defender Safety System, a safe, reliable, maintenance-free and flammable vapor ignition resistant water heater.

How The Safety System Works

In the Defender Safety System, air for combustion is drawn into the water heater through openings in the outside "jacket." This air travels down and around the combustion chamber and enters through holes in the very bottom of the corrosion-resistant chamber. The air then travels up through thousands of tiny flame arrestor plate louvers, where the



A safer water heater system can help keep you in (and out of) hot water.

velocity of the air is increased and its direction altered. This airflow also keeps the system free of lint, dust and oil.

Finally, the air mixes with the supplied gas and is efficiently combusted. In case trace amounts of flammable vapors are in the air flowing into the combustion chamber, they are harmlessly ignited by the burner. The arrestor plate prevents any flame from traveling backward and igniting vapors outside the combustion chamber. If there are too many vapors, the whole system shuts itself down. Once the water heater has been serviced and the air clear, the system can be reset with the push of a button. The new Defender Safety System also maintains outstanding efficiency, a long service life and very low emissions.

Learn More

For more information, call toll-free 1-866-833-0834 or look online at www.bradfordwhite.com.