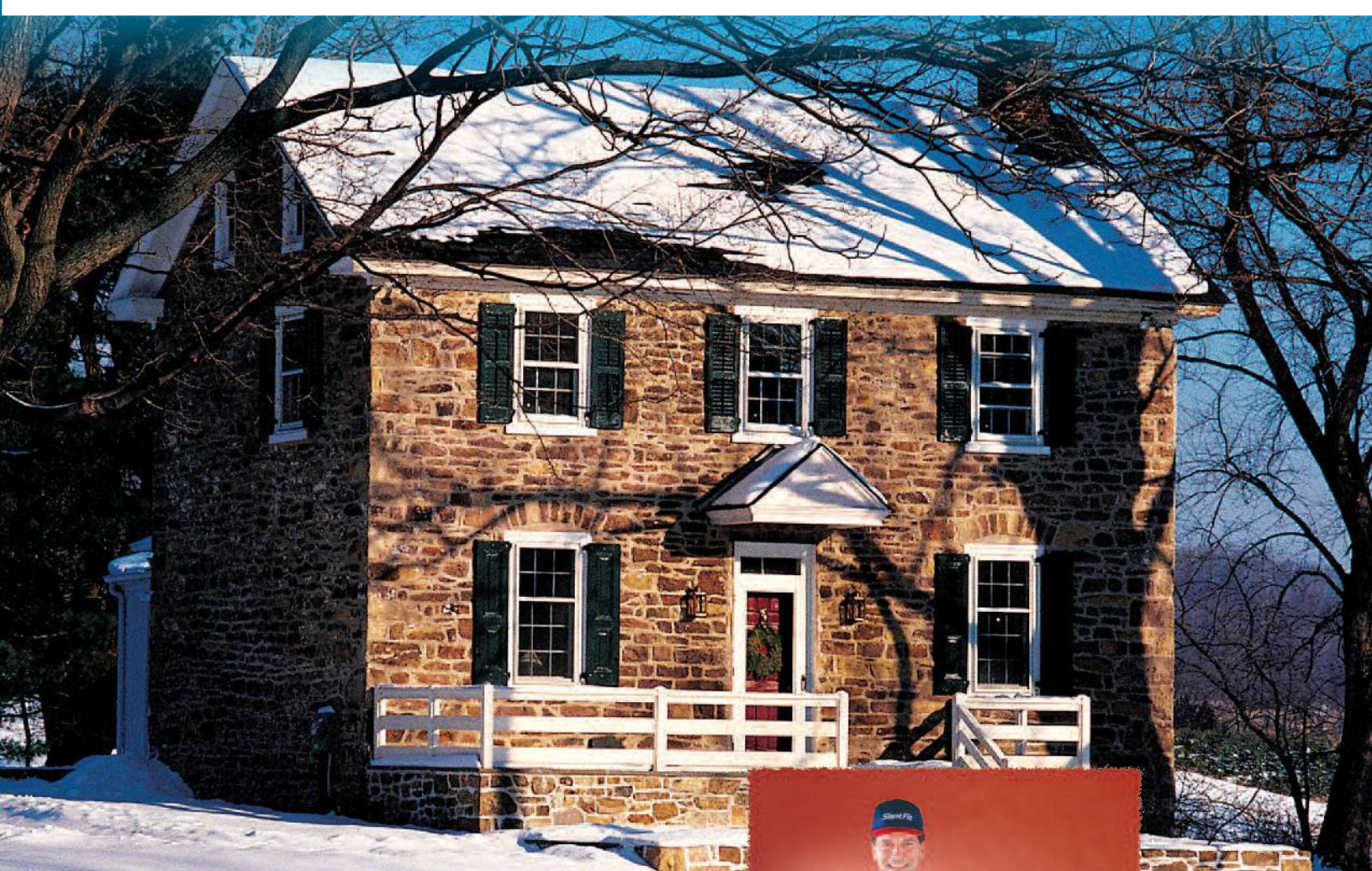


Slant/Fin **SENTRY**

High efficiency, cast-iron gas boiler



All
SENTRY
Models are
SEPT. 2012
Compliant



**LOWER PROFILE MAKES
PROBLEM INSTALLATIONS EASY**

Slant/Fin.
SENTRY[®]
High efficiency, cast-iron gas boiler

A smarter choice for informed

The boiler you choose for your home now will affect your family's comfort--and pocketbook--for many years to come. Sentry boilers provide a blend of efficiency and reliability that will keep your home comfortably warm and your fuel costs low year after year. A new Sentry boiler can save up to 30% or more on fuel bills compared to a typical old boiler operating at 60% efficiency.

- **CSA input:**
"S" models 10 000 W to 44 000 W
(34,000 to 150,000 Btu/hr)
- **Low clearance**
- **Intermittent ignition.**
- **Saves energy. AFUE to 84.4%**

Sentry is ideal for a wide variety of gas boiler requirements, as a replacement or for new installations. Its advanced design provides years of trouble-free, high efficiency operation while providing easy installation, even in sites with low chimney connections or low overhead clearance.

Sentry is a reliable *natural draft* boiler. Many boilers resort to pulsing or condensing technologies, copper fin-tubes and thermal bypass valves to attain acceptable efficiency. Sentry achieves high efficiency with fewer components, so there's less chance of part failure or losing your heat. Sentry's efficiency to 84.4% is among the highest in the industry. Sentry's heat exchanger is made of quality cast-iron and assembled with durable metal push nipples. It's so reliable it comes with a lifetime limited warranty. Sentry boilers respond quickly to your thermostat's call for heat, sending heat within moments to radiators throughout your home.

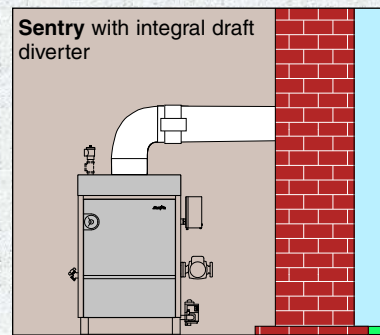


Low profile makes problem installations easy.

The Sentry boiler fits into replacement sites with low chimney breeching or low overhead clearance.

The Sentry models include an integral draft diverter and do not require a draft hood. They fit into replacement sites with overhead clearance or chimney breeching as low as 978mm (38½in.) above the floor.* This is nearly a foot and a half less clearance than required by typical natural draft boilers. The rear flue outlet keeps the vent pipe out of the way of water and gas piping. Installation is faster and trimmer.

The computer-aided design of Sentry's venting system enables the Sentry boiler to perform effectively under a wide range of draft conditions. Sentry is one of the industry's most versatile and durable high efficiency boilers.



**LOW-PROFILE VERSATILITY.
NATURAL DRAFT RELIABILITY**

*See installation instructions for specific applications and clearances.

homeowners.



Natural draft reliability and high efficiency too.

Enjoy the easy installation and reliable operation that natural draft design provides, plus high efficiency too. With intermittent pilot ignition, Sentry AFUE's range from 83.1% to 84.4%.

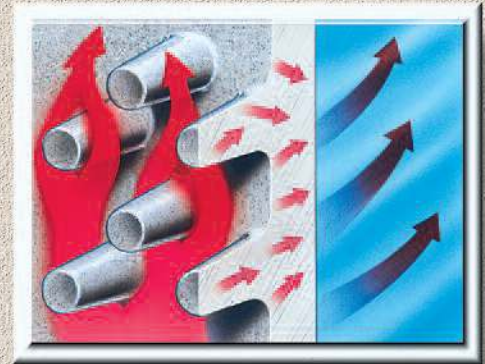
Computer-aided design. Highest quality manufacturing. Superior components.

Advanced design heat exchanger with metal push nipples provides superior performance, longer life.

Computer-aided design of heat exchanger maximizes transfer of heat from the gas flame to the boiler water which then flows into your heating system. Superior heat transfer properties permit use of smaller, compact cast-iron heat exchanger sections. The flue passage design, thermal pin pattern and consistent wall thickness ensure uniform heat transfer with less thermal strain and metal fatigue.

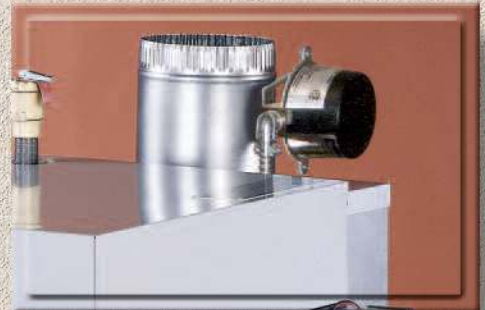
Metal push nipples avoid leaks.

Slant/Fin uses only metal push nipples that expand and contract with the individual boiler sections that they connect. In many ordinary boilers, flimsy rubber or plastic gaskets are substituted for metal push nipples and are subject to deterioration and leaks.



Reliable heavy-duty vent damper saves energy.

The motorized Slant/Fin vent damper increases efficiency of the boiler by reducing standby losses. Motor closes the chimney vent when the burner is off, fully opens it in anticipation of combustion. May be installed horizontally or vertically to accommodate varying vent pipe requirements. Heavy-duty collar maintains dimensional stability for smooth operation.



Insulated base

Base is constructed of heavy gauge aluminized steel. Thick refractory insulation surrounds combustion chamber, minimizing standby losses and increasing efficiency.

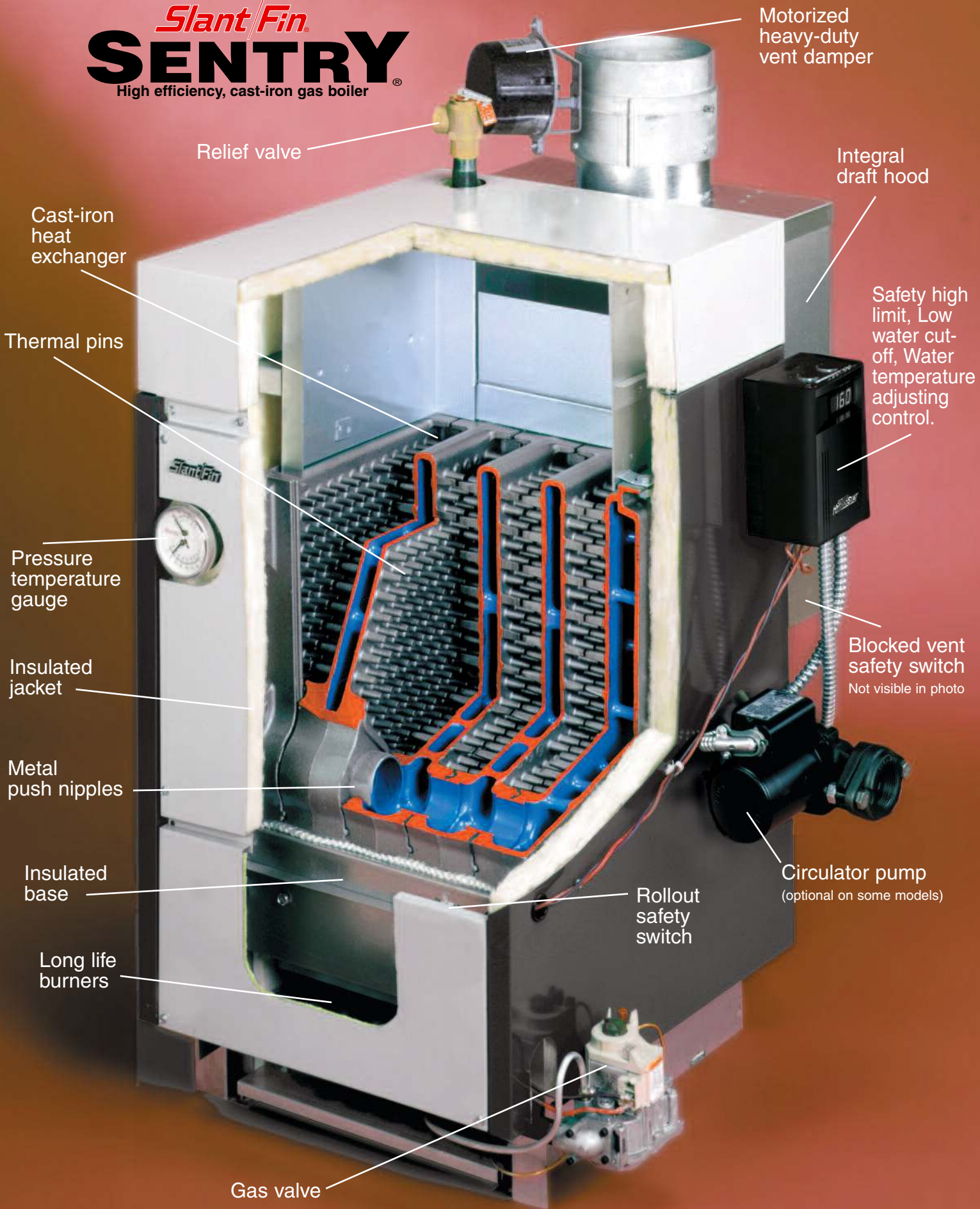


Long-life burners

Quiet, light and easy to install or remove. Same stainless steel burners serve natural or propane gas. Special port construction will not permit flame to "lift" or flash back. Sentry burners last longer too because of low operating temperature. Input per burner is only 4 500 W (15,000 Btu/hr.)



Slant/Fin
SENTRY
High efficiency, cast-iron gas boiler



Motorized heavy-duty vent damper

Relief valve

Integral draft hood

Cast-iron heat exchanger

Safety high limit, Low water cut-off, Water temperature adjusting control.

Thermal pins

Pressure temperature gauge

Insulated jacket

Metal push nipples

Blocked vent safety switch
Not visible in photo

Insulated base

Circulator pump
(optional on some models)

Long life burners

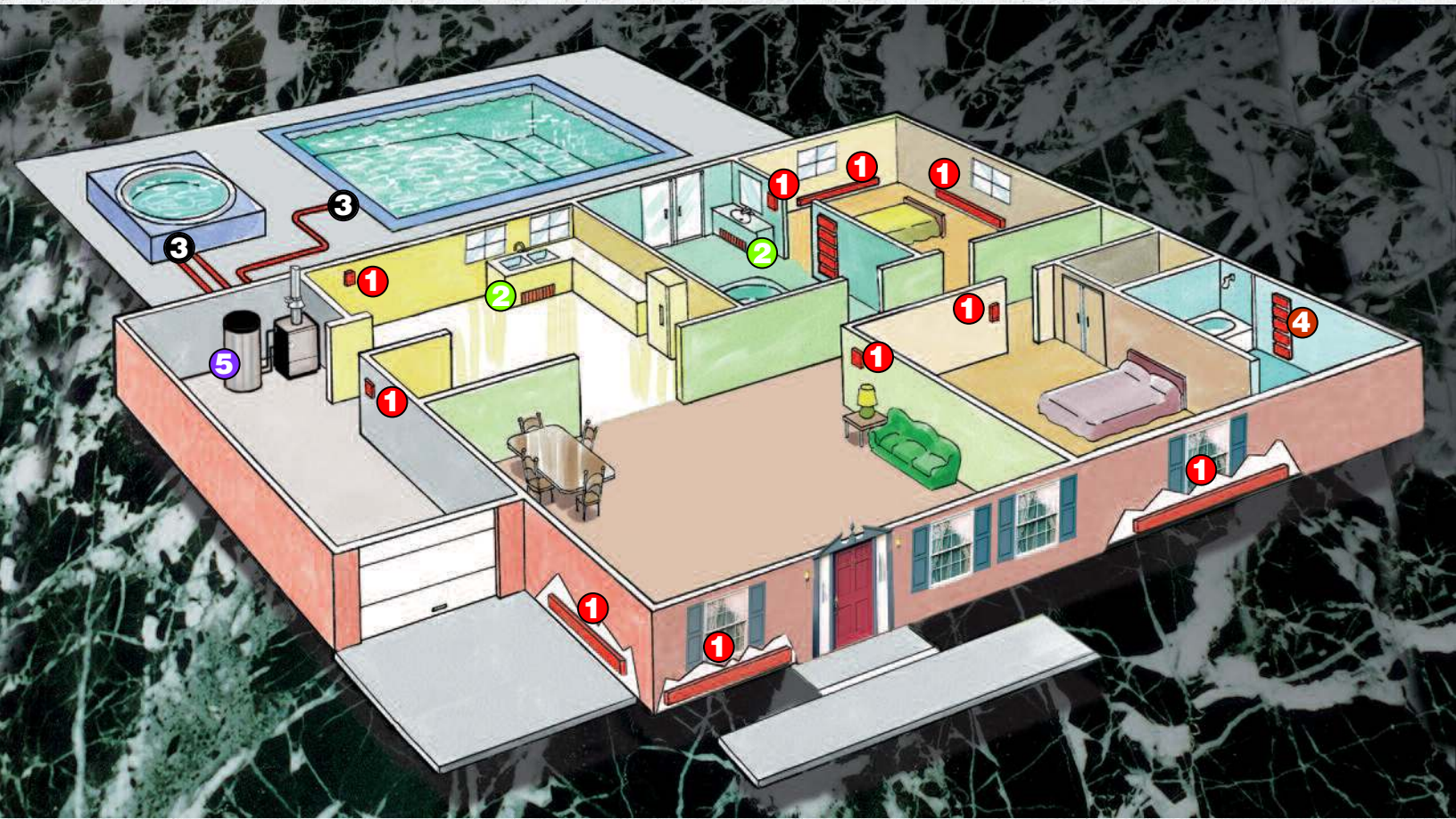
Rollout safety switch

Gas valve

Make your house a more comfortable home

With a Sentry boiler at the heart of your heating system, you can enjoy deluxe heating comfort all around your home. A Sentry boiler can be installed to provide heating energy for any or all these hydronic heating systems:

- ❶ Zone heating with Slant/Fin hot water baseboard and individual room temperature controls.
- ❷ Slant/Fin hot water fan-convection heaters under cabinets or stairs.
- ❸ Pool or spa water heating with a Slant/Fin boiler and external heat exchanger.
- ❹ Towel warmers for bathrooms.
- ❺ Hot water with an indirect-fired water heater.



Zone your heating system for even greater fuel savings.

By dividing your home into separate heating zones, you can save energy by heating only those areas you're using. Depending on your existing piping arrangement, it may be quite simple to zone your system.

RATINGS FOR SENTRY BOILERS--NATURAL AND L.P. GAS

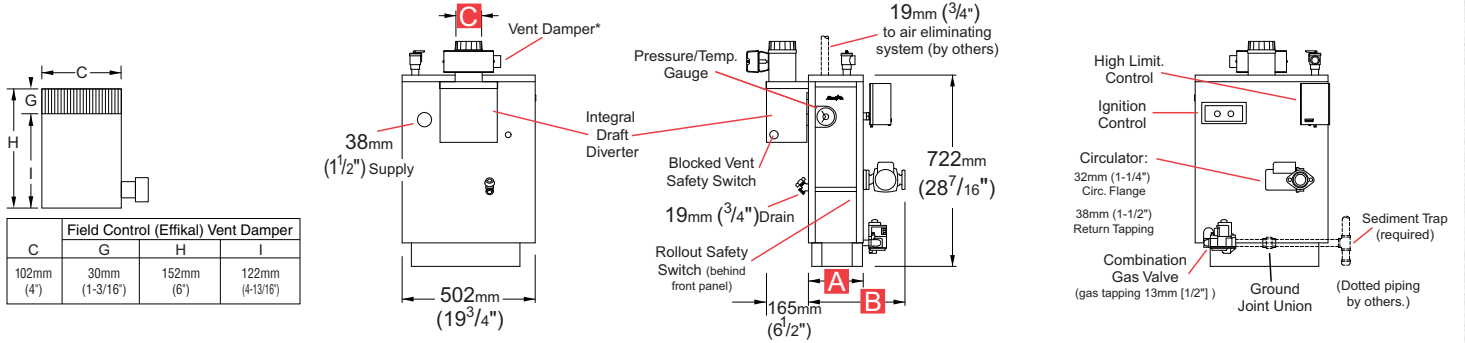
MODEL NO.†	CSA RATINGS* FOR WATER				NET RATINGS+				CSA EFFICIENCY	DIMENSIONS				
	CSA INPUT		GROSS OUTPUT		WATER		WATER		(with vent damper)	A		B		C-Vent Diameter
	W	Btuh	W	Btuh	W	Btuh	m ²	Sq. ft.	INTERMITTENT IGNITION	mm	in.	mm	in.	Integral Draft Diverter mm in.
S-34	10 000	34,000	9 000	29,000	7 000	25,000	16	167	84.0%	206	8 ¹ / ₈	371	14 ⁵ / ₈	102 4
S-60	18 000	60,000	15 000	51,000	13 000	44,000	27	293	84.4%	283	11 ¹ / ₈	448	17 ⁵ / ₈	102 4
S-90	26 000	90,000	22 000	76,000	19 000	66,000	41	440	84.2%	359	14 ¹ / ₈	524	20 ⁵ / ₈	127 5
S-120	35 000	120,000	30 000	101,000	26 000	88,000	55	587	84.1%	435	17 ¹ / ₈	600	23 ³ / ₈	152 6
S-150	44 000	150,000	37 000	125,000	32 000	109,000	68	727	83.4%	511	20 ¹ / ₈	676	26 ⁵ / ₈	178 7

* Ratings are for sea level to 610m (2,000 ft) elevation. For elevations over 610m (2,000 ft) reduce ratings by 10%.

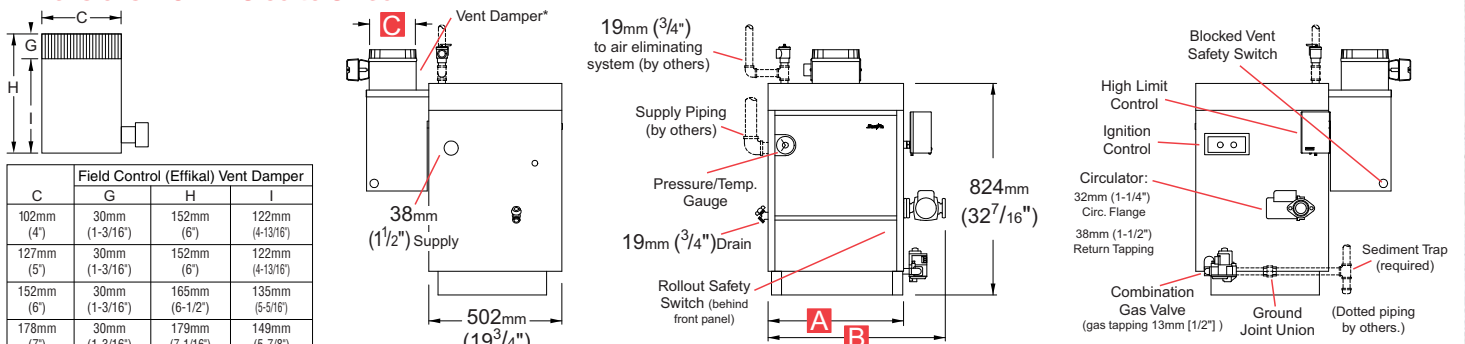
+ Net ratings are based on a piping and pick-up allowance of 1.15 (hot water). Slant/Fin should be consulted before selecting a boiler for installation having unusual piping and pick-up requirements.

† Type of gas: after model number, specify gas by name "Natural" or "Propane".

Dimensions MODEL S-34



Dimensions MODEL S-60 to S-150

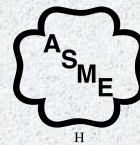


* Vent damper may be installed horizontally on all models with use of a common vent elbow.

Slant/Fin
SENTRY
High efficiency, cast-iron gas boiler

**Engineered for comfort,
safety and reliability.**

**Lower profile,
higher efficiency**



**Millions of homes are
equipped with Slant/Fin
hydronic heating.**

Slant/Fin