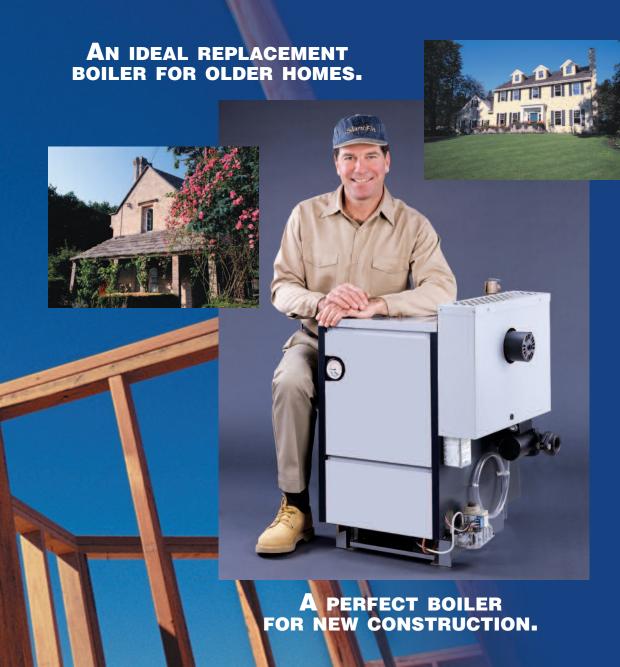
Sant/Fin. Colonial Co Ste dialible in a sealer compusion the sealer compusion the sealer seale Cast-iron, power vent gas boiler







Canada's best-built power vent gas boiler

The VHS series:

- Economical home heating
- Versatile "chimneyless" design
- Near zero CO emissions
- Contractor-friendly
- Engineered for long, reliable life
- Domestic hot water with optional indirect-fired water heater
- 7,600 W to 52,800 W (60,000 to 180,000) Btuh CGA input

Victory II offers new features for better performance, faster installation and easier service

We have re-engineered the Victory power vent boiler with new features that improve its performance and make it exceptionally easy to install and service. Built with the highly successful Victory heat exchanger, burners and combustion chamber, the new Victory II boiler incorporates these substantial improvements:

- Horizontal flue outlet with 76 mm (3-inch) connector for better performance.
- Contractor-friendly features for faster installation, easier service.
- · Near zero carbon monoxide emissions.

World class performance, reliability and safety

Advanced computer-aided design has assisted Slant/Fin engineers in designing the Victory II boiler to provide you with superior operating performance and long life. Boiler water heats rapidly, sending warmth through your home when you want it. High quality parts and components provide years of reliable heating comfort. Contractor-friendly features speed set-up and routine service.

Built-in safety devices constantly verify proper operation and will shut down the boiler should they detect a malfunction. Clean combustion with near zero carbon monoxide emissions, under a broad range of operating conditions, makes the Victory II boiler particularly safe and ideal for closet or alcove installations.



Contractor-friendly features speed installation and reduce service time.

Design innovations developed with the installer in mind make the Victory II easier to install and service. Boilers are fully packaged and ready to install. We even include additional flue system components, assembled with the boiler at the factory, saving field purchase cost and installation time.

Horizontal flue discharge components are factory installed to save field assembly.

76 mm (3") flue connector with integral adapter for easy connection to stainless steel venting.

Condensate drain is built into the flue discharge assembly. The drain design and location maximize its effectiveness in

protecting boiler components from condensate.

Drain tube for condensate is factory installed and pre-configured with water trap.

Intermittent pilot "spark" ignition saves energy.

Ignition control, Aquastat and gas valve are all Honeywell models with proven reliability.

Junction box for line voltage facilitates placement and wiring of shut-off switch.

Pressure switch is the same for all boiler

sizes and all altitudes.

Controls, circulator and other

"trim" are top quality brand names that are widely available to heating professionals and easy to service.





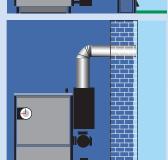
Flexibility in venting.

A wide variety of options permit you to select the most practical and economical venting method. Consult the Victory II boiler installation instructions for complete details and restrictions on these venting options:

For side wall or through the roof power (pressure) venting -- Easy, economical horizontal or vertical power venting with 76 mm (3") diameter AL29-4C stainless steel pipe. Some restrictions apply.

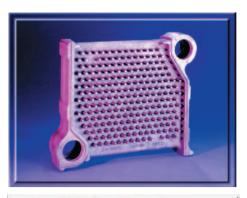
Chimney vent -- with type B vent to the chinmey. VHS-90 through 180 boilers.





Slant/Fin builds each Victory II boiler

to the highest quality standards.







Advanced design cast-iron heat exchanger extends boiler life.

Every Victory II boiler is built with the highest quality components and is factory tested to help ensure many years of trouble-free operation. Cast-iron boiler sections are produced on state-of-the-art computerized machining centers to extremely critical tolerances with high repeatability to ensure a perfect leak free fit of one heat exchanger section to the next. Superior heat transfer properties of the cast-iron permit use of smaller, compact 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.

Avoid leaks with durable metal push nipples.

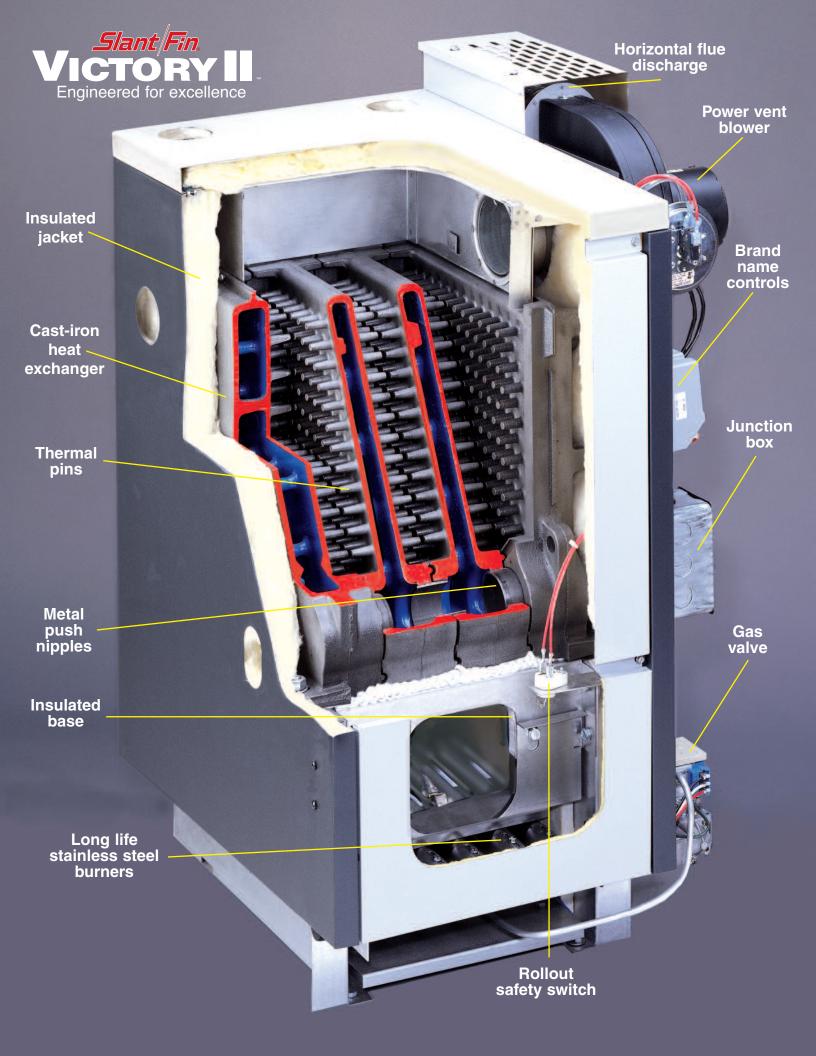
Only metal push nipples are used to join the cast-iron boiler sections. These push nipples expand and contract uniformly with the cast-iron sections. In many ordinary boilers, cheaper rubber or plastic gaskets are substituted for metal push nipples and could deteriorate and leak.





Increased efficiency with insulated base assembly.

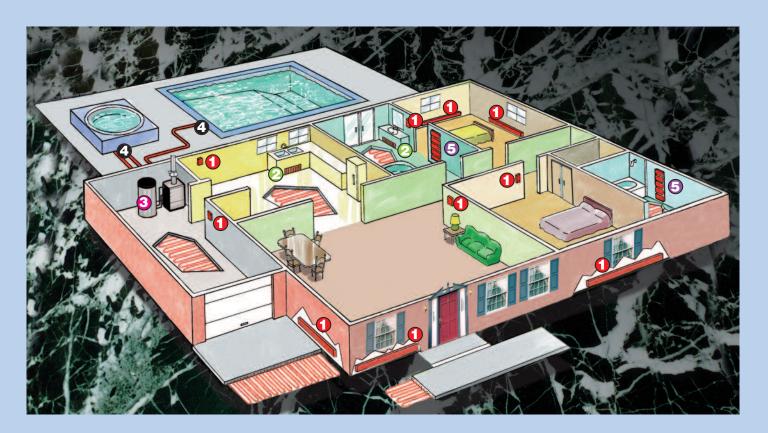
The Victory II base assembly is constructed of heavy gauge aluminized steel. Thick refractory insulation surrounds the combustion chamber, minimizing standby losses and increasing efficiency. One piece stainless steel burners with special port construction prevent flame lift and flashback.



Make your house a more comfortable home

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

- 1 Zone heating with Slant/Fin hot water baseboard and individual room temperature controls.
- 2 Slant/Fin hot water fan-convection heaters under cabinets or stairs.
- 3 Hot water with a high volume Slant/Fin indirect-fired water heater.
- 4 Pool or spa water heating with a Slant/Fin boiler and external heat exchanger.
- Warm, safe heating for bathrooms with Harmony Series towel warmers.



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.

RATINGS FOR NATURAL AND L.P. GAS

	R	ATINGS F	NET RATING WATER†		WATER		EFFI- CIENCY		
MODEL	CSA INPUT							GROSS OUTPUT	
NO.	W	Btuh	W	Btuh	W	Btuh	m²	Sq. ft.	(A.F.U.E.)
VHS-60	17 600	60,000	14 700	50,000	12 600	43,000	84	287	83.4
VHS-90	26 400	90,000	22 000	75,000	19 000	65,000	127	433	82.8
VHS-120	35 200	120,000	29 300	100,000	25 500	87,000	170	580	82.2
VHS-150	44 000	150,000	36 600	125,000	32 000	109,000	213	727	82.1
VHS-180	52 800	180,000	43 700	149,000	38 100	130,000	254	867	82.0





MAXIMUM EQUIVALENT FLUE LENGTH

12 m (40 ft.) for all models. May differ for certain vent system manufacturers and altitudes. See installation instructions, Pub. VHS-40.

Models VHS-30 and VHS-60 not currently available

† Ratings must be reduced by 10% over 610 m (2000 feet) elevation. Net ratings shown include allowance from normal piping loss and pick-up load. For installations having unusual piping and pick-up requirements, additional allowances should be made before selecting the size of boiler required. Ratings are based on a piping and pick-up factor 1.15.

‡ Based on heat emission rate of 473 W/m² (150 Btu per square foot).

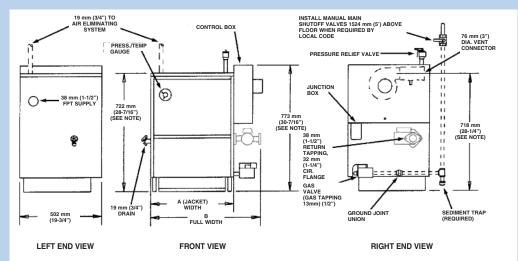
Note: All boilers are tested and rated for capacity to meet or surpass Canadian minimum A.F.U.E. requirements.

Equipment

PACKAGED WATER BOILER includes pre-assembled cast-iron heat exchanger with built-in air eliminator, base, pre-assembled insulated flush jacket, gas burners, gas orifices and manifold assembly, gas valve, electronic intermittent pilot ignition system, 2-way combination control (hi-limit and circulator relay), pressure relief valve (ASME),drain cock, inducer assembly, air flow proving switch, built-in condensate drain, trap and stainless steel vent pipe adapter, rollout safety switch. For propane, specify when ordering.

OPTIONAL EQUIPMENT: Circulator. Combustible floor kit. AL 29-4C^{*} stainless steel venting material.

Dimensions



NOTE: Height dimensions increase by 44 mm (1¾") and depth increases to 565 mm (22¼") when combustible floor kit is used.

ı	WIDTH	VH mm	IS-60 in.	VH mm	IS-90 in.	VHS mm	S-120 in.	VH: mm	S-150 in.	VH: mm	S-180 in.
	"A"	283	11-1/8	359	14-1/8	435	17-1/8	511	20-1/8	587	23-1/8
ı	"B"	448	17-5/8	524	20-5/8	600	23-5/8	676	26-5/8	752	29-5/8

Supply water tapping	38 mm (1½")	Gas tapping,	13 mm (½")
Circulator return flange*	32 mm (1½")	natural or propane	

^{*} When not equipped with circulator, boiler 38 mm (1-1/2") return tapping. Crate dimensions: 880 mm (34-5/8") length, 572 mm (22-1/2") width, 851 mm (33-1/2") height.

[^]AL 29-4C is a registered trademark of Allegheny Ludlum Corp.

Slant/Fin VICTORY I

Cast-iron power vent gas boiler

VHS SERIES

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

Slant/Fin

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