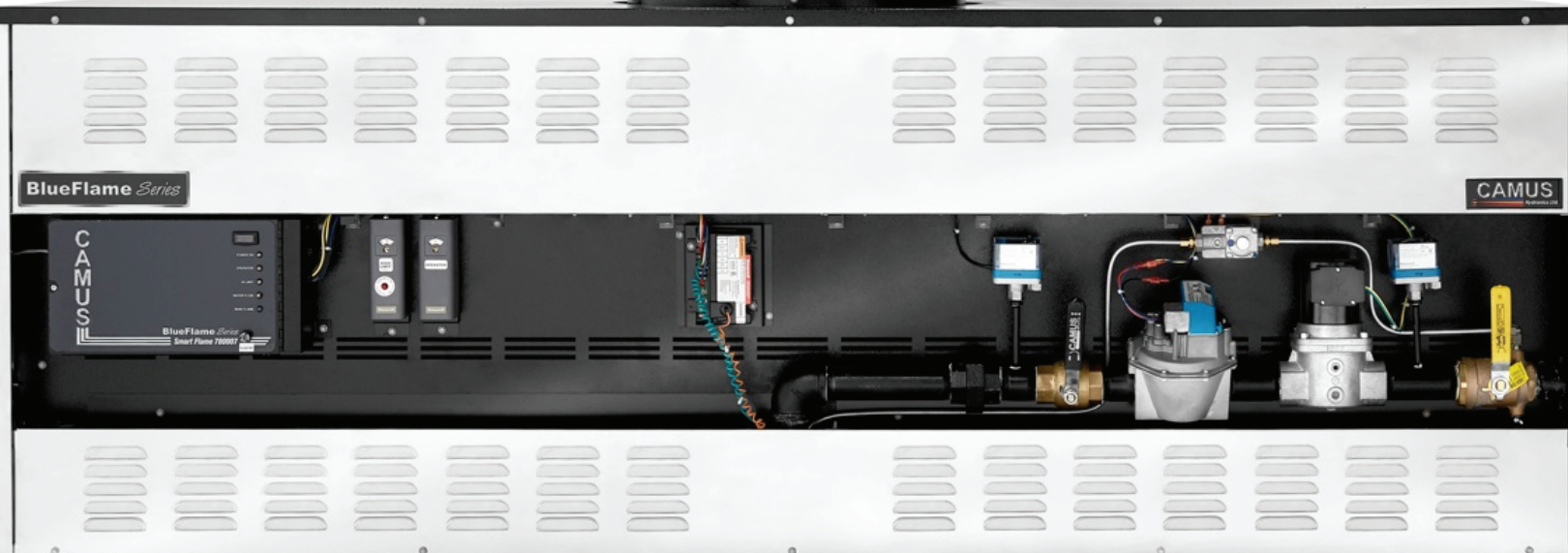


**CAMUS<sup>®</sup>**  
HYDRONICS LTD.



# BLUEFLAME<sup>®</sup> *Series*

gas fired commercial copper tube boilers

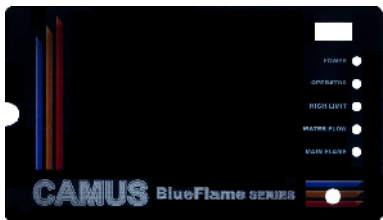
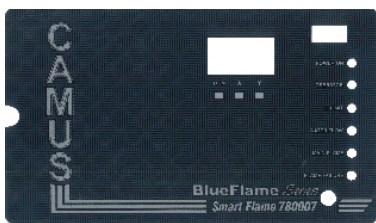
for hydronic heating and  
hot water supply



# FEATURES & CONTROLS

## standard features

- Diagnostic lights help troubleshooting
- Copper Tube Heat Exchanger meets lead-free regulations
- Durable stainless steel burner
- Adaptable to outdoor use
- Simple to service
- Slide out burner tray
- Slide out heat exchanger
- Easy side access for inspection of combustion chamber
- High temp ceramic fiber tiles in combustion chamber
- Very smooth and quiet operation
- Suitable for venting in low ceiling applications with use of power venter and low profile hood
- Optional Digital Temp control is extremely accurate to minimize standby losses from temp. overshoot
- Optional modulating firing mode available



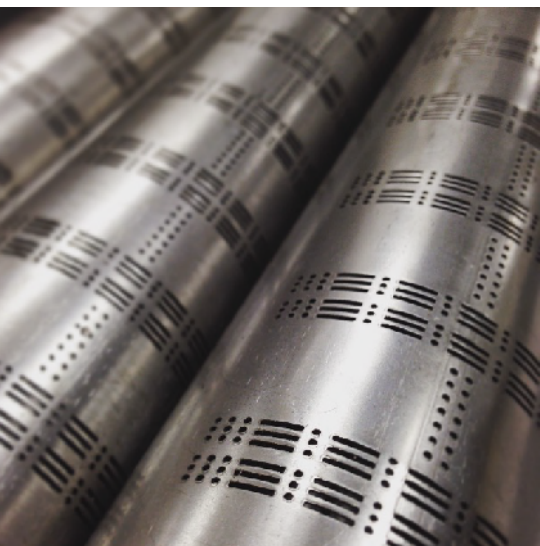
## Smartflame 780007 Control Panel Highlights\*

- Incorporates auto reset high limit & operator
- Multiple modes of operation for domestic hot water, hydronic heating and outdoor reset
- Firing Modes available: on/off, 2-stage and modulation (modulation is optional - controlled by the Honeywell T775A2009)
- Port for optional tank sensor
- Displays inlet/outlet temps and delta temperature
- Flame failure feature
- Alarm contacts
- Displays total run hours
- Snap on Molex connection for easy service
- Fusible link for over-voltage protection

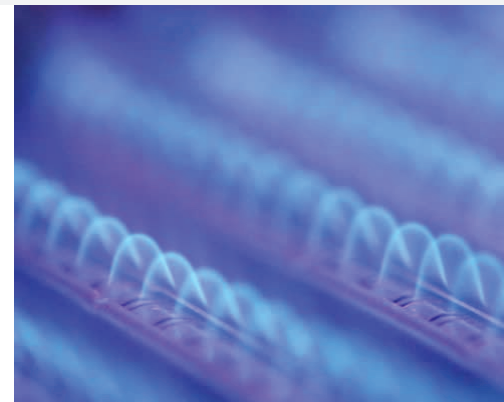
\*The Smartflame 780007 Control panel is optional



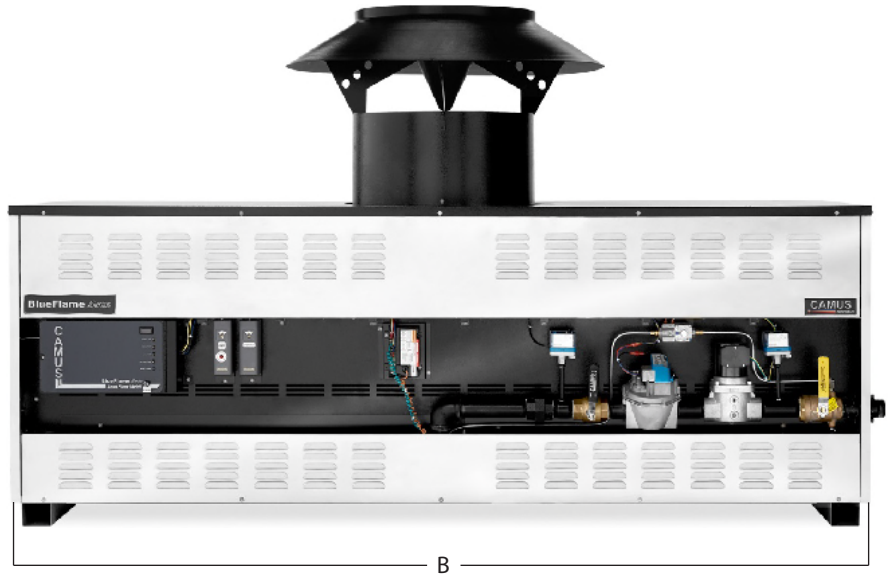
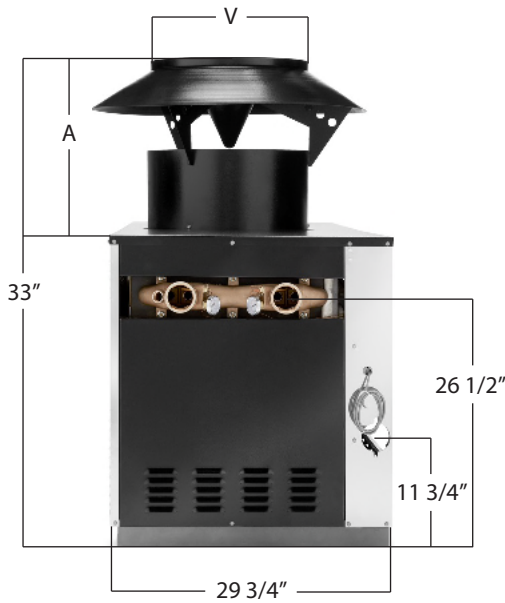
## BURNER & HEAT EXCHANGER



The BlueFlame atmospheric burner is a 100% stainless steel construction. Vertically fired below the heat exchanger, the tubes are mounted in a burner tray in an array formation to allow for a broad range of inputs. The tray slides out for full access to the burners for easy inspection and cleaning.



# DIMENSIONS & SPECIFICATIONS



Model	STANDARD VENTING					OUTDOOR VENTING				
	"A"	"B"	"V"	Nat. Gas	L.P.	"A"	"B"	"V"	Nat. Gas	L.P.
480	16	30 3/4	10	1	3/4	20	30 3/4	12	1	3/4
660	16	39	12	1	3/4	20	39	14	1	3/4
840	19	47 1/4	14	1	3/4	20	47 1/4	16	1	3/4
1020	21	55 1/2	16	1 1/4	1	20	55 1/2	18	1 1/4	1
1200	21	63 3/4	16	1 1/4	1	20	63 3/4	18	1 1/4	1
1380	21	72	18	1 1/4	1	20	72	20	1 1/4	1
1560	21	80 1/4	18	1 1/4	1	20	80 1/4	20	1 1/4	1
1740	21	88 1/2	20	1 1/2	1 1/4	20	88 1/2	22	1 1/2	1 1/4
1950	21	96 3/4	20	1 1/2	1 1/4	20	96 3/4	22	1 1/2	1 1/4

Model	Input - BTUH		Output - BTUH		Approx. Shipping Weight (lbs)
	MBH	KW	MBH	KW	
480	480	(140.6)	398.4	(116.7)	425
660	660	(193.4)	547.8	(160.5)	535
840	840	(246.1)	697.2	(204.3)	596
1020	1020	(298.9)	846.6	(248.1)	650
1200	1200	(351.6)	996.0	(291.8)	770
1380	1380	(404.3)	1145.4	(335.6)	802
1560	1560	(457.0)	1294.8	(379.4)	930
1740	1740	(509.8)	1444.2	(423.1)	950
1950	1950	(571.3)	1618.5	(474.2)	1035

## THERMAL EFFICIENCIES OF UP TO **83%**

The copper heat exchanger is a two pass design with a maximum working pressure of 160 PSIG and a maximum working temperature of 250°F for heating and 210°F for domestic hot water applications. Utilizing cast bronze headers, steel tube-sheets and copper or cu-ni tubes, they can be configured for right or left side water connections. Removable headers allow for easy access to the tube bundle for service & cleaning.







forward thinking

## CONTACT US

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Camus is continually setting new benchmarks of excellence through skillfully engineered and solidly constructed high-efficiency products designed to provide years of reliable service and comfort.

Representation of our products is coast to coast as well as internationally through a growing list of knowledgeable and professional distributors.

Additional specifications can be obtained by visiting our website or by calling your local Camus representative.



The Camus Certified seal assures you that reliability, efficiency and serviceability are built into every single unit.

