

Aspen

High Efficiency,
Gas Fired,
Stainless Steel,
Condensing Boiler
COMBI AVAILABLE!

SIZES

- Six wall hung models; 85, 110, 155, 205, 270 MBH
– Optional floor stand available – **NEW!**
- Two light commercial models; 320 & 399 MBH **NEW!**
(floor mount or wall hung, specifications available separately)
- **155 MBH combi model available!**
– Best-in-class DHW performance

PREMIUM FEATURES

- Up to 96% AFUE with **10:1** turndown – **NEW!**
– High efficiency and low emissions!
- Field-proven, stainless steel fire tube heat exchanger
- Advanced Sage2.3 boiler control provides “out-of-the-box” high performance and easy setup
– Ergonomically angled touch screen display simplifies installation, operation, and diagnostics
– Easily connects to optional **Sage Zone Controls** for additional energy savings, system optimization, and “short cycle” prevention
- High altitude – zero or minimal de-rating reduces the costs of oversizing, field adjustable
- Easy access side service panel
- Low NOx*



VALUABLE EXTRAS INCLUDE

- **Versatile top and bottom connections for supply & return (heating-only models)**
- Universal vent connection for CPVC/PVC, polypropylene, and stainless steel flex
- Split-voltage junction box, fused easy-connect terminals
- Outdoor reset and sensor (wired)
- Piped & wired for low water cutoff installation
- 5-year parts warranty



Burnham
by
U.S. Boiler Company

*Meets requirements of South Coast Rule 1146.2

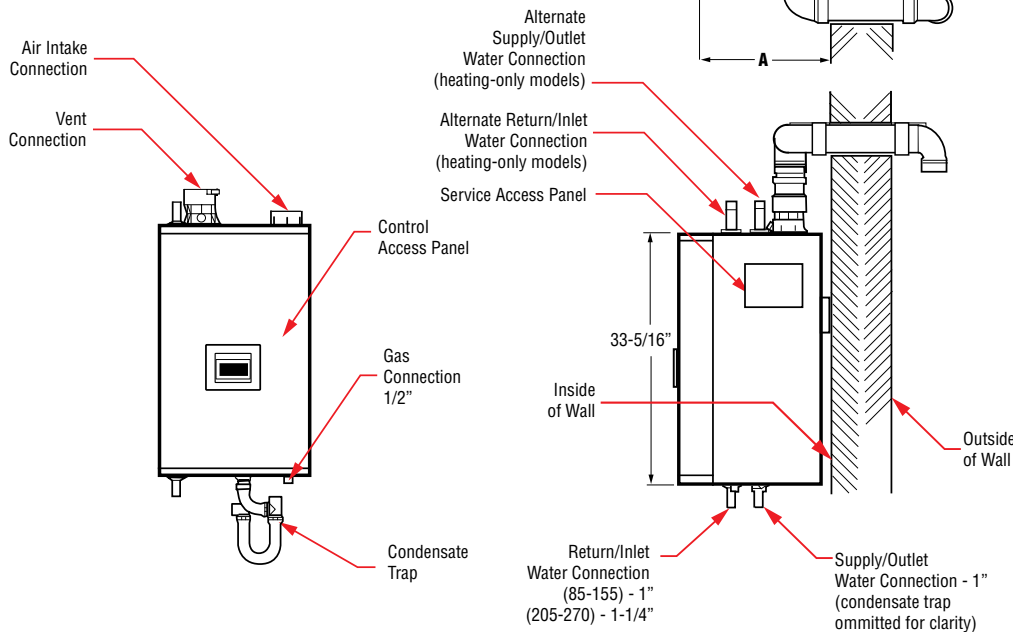
MADE IN U.S.A.



Standard Equipment

- Direct vent, sealed combustion appliance
- 10:1 turndown
- Natural gas; LP conversion kits sold separately
- Stainless steel heat exchanger, firetube
- Easy access control panel
- Separated, fused high and low voltage connections
- Sage2.3 Control System
 - LCD touch screen display, angled
 - Self-guided control menus
 - Built-in self diagnostics
 - (3) Circulator outputs available
 - Built-in sequencer, stages up to (8) boilers
 - Outdoor reset including outside sensor
 - DHW priority
 - Warm weather shutdown
 - Modbus communications
 - Password security
- Variable speed combustion blower
- Gas valve
- Condensate trap with float switch
- LWCO-ready NPT connection
- Supply, return, and auto reset high limit water sensors
- Universal vent connection (CPVC/PVC, PP, SS)
- Flue gas temperature sensor and differential pressure switch
- 30 PSI safety relief valve
- Pre-installed hanging bracket and wall mount kit
- Field adjustable for high altitude with minimal derate
- **Thermostatic DHW mixing valve** (ASPNC-155 combi only)

Dimensions (Inches)	
Model	A
ASPN-085	20
ASPN-110	20
ASPN-155	20
ASPN-205	21
ASPN-270	21
ASPNC-155	23



Aspen Ratings & Specifications

Model	AFUE%*	Input (MBH) min-max	DOE Heating Capacity (MBH)	Net AHRI (MBH)	MAWP (PSI)	Vent Size (Inches)	Approx. Shipping Weight (lbs.)
ASPN-085	96.0	8.5-85	79	69	30	2-3	140
ASPN-110	96.0	11-110	103	90	30	2-3	145
ASPN-155	95.0	15.5-155	145	126	30	3	160
ASPN-205	95.0	20.5-205	189	164	80	3	175
ASPN-270	95.0	27-270	252	219	80	3	185
COMBI MODEL*							
ASPNC-155	95.0	15.5-155	145	126	30	3	170

*DHW flow rate of optional combi-equipped model ASPNC-155 is 4.0 GPM @ 70° TR

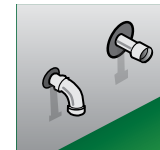
Safety Relief Valve Pressure, Water – 30 PSI std. ASME certified "H". Max allowable temperature setting 210°F. Target setpoint is 180°F, manual reset high limit setpoint is 210°F. Boilers shipped set for natural gas. Above performance is for elevations to 2000'. Consult Installation, Operating and Service Instructions for instructions and performance for installations up to 10,100'. Allowable vent lengths up to 135 equivalent ft.

Accessories:

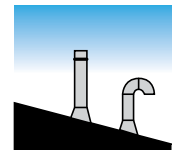
- LP Conversion Kits - (085 P/N: 107934-01, 110 P/N: 107935-01, 155 P/N: 107936-01, 205 P/N: 107937-01, 270 P/N: 107938-01)
- Sage Zone Control
 - Circulator Panel (P/N: 104590-01)
 - Valve Panel (P/N: 104589-01)
- LWCO kit - auto reset (P/N: 105591-01)
- Service parts repair kit (P/N: 108033-01)
- Kit, CPVC starter and PVC vent terminations: (2" P/N: 107039-01) (3" P/N: 107039-02)
- Floor stand kit (P/N: 107360-01)

Typical Venting Configurations (Horizontal and Vertical) up to 135 eq. ft.

Illustrations are for representation only. For complete venting information, please see Installation, Operating and Service Instructions.



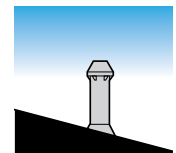
Horizontal 2-pipe



Vertical 2-pipe



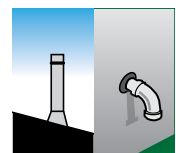
Horizontal 2-pipe low profile



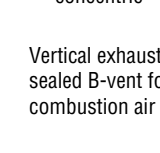
Vertical 2-pipe concentric



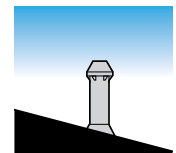
Horizontal 2-pipe concentric



Hybrid



Vertical exhaust/sealed B-vent for combustion air



PLUS polypropylene & stainless steel chimney chase options



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