



**High Efficiency,
Gas Fired,
Stainless Steel,
Firetube Boiler**

SIZES

- Six wall hung sizes; 85, 110, 155, 205, 270 MBH
– Optional floor stand available
- Two light commercial models; 320 & 399 MBH
(floor mount or wall hung, specifications available separately)

PREMIUM FEATURES

- Up to 96% AFUE, 10:1 turndown
- Field-proven, stainless steel fire tube heat exchanger
- Sage2.3 boiler control
 - High performance and easy setup
 - Ergonomically angled touch screen display
- USB Connect compatible
 - Smartphone app & bluetooth adapter
 - Complete boiler setup, control & troubleshooting
- High altitude with zero or minimal de-rate
 - Reduces cost of oversizing
 - Field adjustable
- Easy access side service panel
- Low NOx*



USB  Connect

VALUABLE EXTRAS

- Versatile top and bottom connections for supply & return
- Universal vent connection
 - 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



*Meets requirements of South Coast Rule 1146.2

USB  Connect
COMPATIBLE



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

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

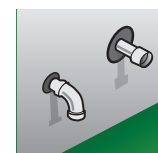
Safety Relief Valve Pressure, Water – 30 PSI std. ASME certified "H". Max allowable temperature setting 210°F. Target setpoint is 180°F, manual reset high limit setpoint is 210°F. Boilers shipped set for natural gas. Above performance is for elevations to 2000'. Consult Installation, Operating and Service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

Accessories:

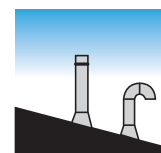
- LP Conversion Kits - (085 P/N: 107934-01, 110 P/N: 107935-01, 155 P/N: 107936-01, 205 P/N: 107937-01, 270 P/N: 107938-01)
- LWCO kit - auto reset (P/N: 105591-01)
- Service parts repair kit (P/N: 108033-01)
- Kit, CPVC starter and PVC vent terminations: (2" P/N: 107039-01) (3" P/N: 107039-02)
- Floor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



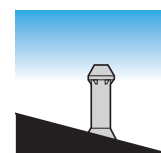
Horizontal 2-pipe



Vertical 2-pipe



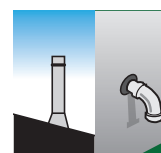
Horizontal 2-pipe low profile



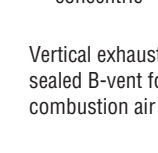
Vertical 2-pipe concentric



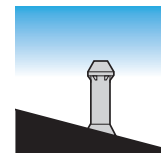
Horizontal 2-pipe concentric



Hybrid



Vertical exhaust/sealed B-vent for combustion air



PLUS polypropylene & stainless steel chimney chase options



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USB Connect

Free smartphone app (App Store & Google Play) and bluetooth adapter available at your distributor, USB Connect puts complete boiler control in the palm of your hand with real time boiler status and adjustments. "Wizards" provide step-by-step instructions for start-up, service, and troubleshooting.

See www.usboiler.net/product/usconnect for details

Dimension (Inches)

Model	A
ASPN-085, ASPN-110, ASPN-155	20
ASPN-205, ASPN-270	21

