

OUTDOOR CONDENSING GAS BOILERS



All of the features and benefits that have made the Knight Boiler a favorite among building owners and contractors are now available in a model equipped for outdoor use.

You can now have the reliability, efficiency, and control that you require with a product designed and certified for outdoor installations.



**UP TO 99%
EFFICIENCY**

The outdoor certified Knight operates with efficiencies up to 99% with a modulation rate turndown of 5:1. SMART SYSTEM™ operating controls offer features like cascade, outdoor reset, domestic hot water priority, and external setpoint control through the building management system utilizing 0-10 volts DC.

Lochinvar also offers custom package systems incorporating the Knight which can ease installation costs along with reducing the footprint over field fabricated equipment. They are pre-piped, skid mounted, and factory tested before leaving Lochinvar. Information on custom packaged solutions can be found at www.Lochinvar.com.

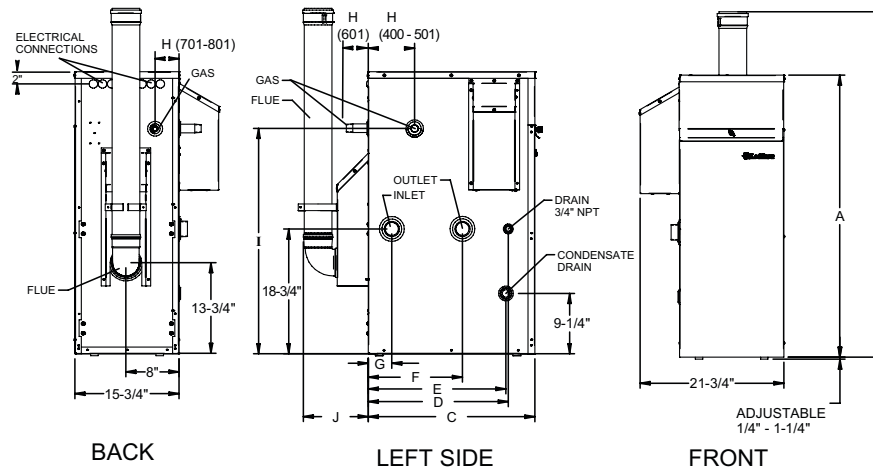
For more information on the newest member of the Knight family reference the Knight Boiler literature or visit our website www.Lochinvar.com.



Lochinvar.com

OUTDOOR KNIGHT® BOILER DIMENSIONS AND SPECIFICATIONS

Models:
OKN 400-801



OUTDOOR KNIGHT HEATING BOILER

Model Number	Input Min. MBH	Input Max. MBH
OKN400	80	399
OKN501	100	500
OKN601	120	600
OKN701	140	700
OKN801	160	800

DIMENSIONS AND SPECIFICATIONS

A	C	D	E	F	G	H	I	J	K	Gas Conn.	Water Conn.	Vent Size	Shipping Wt. (lbs.)
42-1/2"	25-1/4"	21"	20-3/4"	14-1/4"	3-1/2"	7"	34"	9-3/4"	52"	1"	1-1/2"	4"	280
42-1/2"	31-1/2"	21-1/4"	25"	14-1/4"	3-3/4"	3-1/2"	35-1/4"	9-3/4"	52-3/4"	1"	1-1/2"	4"	310
42-1/2"	35"	21"	25"	14-1/4"	3-1/2"	4-1/2"	32-3/4"	9-1/2"	52"	1"	2"	4"	340
42-1/2"	41-1/4"	23-1/4"	29-1/4"	17-1/4"	3-1/2"	3"	32-3/4"	12"	49-1/2"	1"	2"	6"	370
42-1/2"	43-1/4"	23-1/4"	33-1/2"	17-1/4"	3-1/2"	3-1/4"	33"	12-1/4"	50-1/2"	1"	2"	6"	405

Notes: Outdoor installation only. All information subject to change. Change "N" to "L" for LP gas models.

OUTDOOR STANDARD FEATURES

- › Up to 99% Efficiency
- › **SMART SYSTEM™** Operating Control
- › **Modulating Burner with 5:1 Turndown**
 - › Direct-Spark Ignition
 - › Low-NOx Operation
 - › Field Convertible from Natural to LP Gas
- › **ASME Stainless Steel Heat Exchanger**
 - › 50 psi ASME Relief Valve)
- › **Outdoor Rated Vent System**
 - › UV Resistant Polypropylene (400-601)
 - › Stainless Steel (701-801)
- › **Condensate Trap**
- › **Other Features**
 - › Automatic Reset High Limit
 - › Adjustable High Limit w/Manual Reset
 - › Adjustable Leveling Legs
 - › Zero Clearances to Combustible Materials
 - › 10-Year Limited Warranty

OPTIONAL EQUIPMENT

- › Modbus Communication
- › Condensate Neutralization Kit
- › Multi Temperature Loop Control (Indoor install only)
- › Flow Switch
- › Low-Water Cutoff w/Manual Reset & Test
- › Alarm Bell
- › Boiler Circulation Pump and Pump Cover
- › SMART SYSTEM PC Software
- › BMS Gateway to LON or BacNet
- › High & Low Gas Pressure Switches (501-801)

FIRING CODES

- › M9 Standard Construction
- › M7 California Code
- › M13 CSD-1 / FM / GE Gap (501-801)



Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000
f i n L Lochinvar.com

