

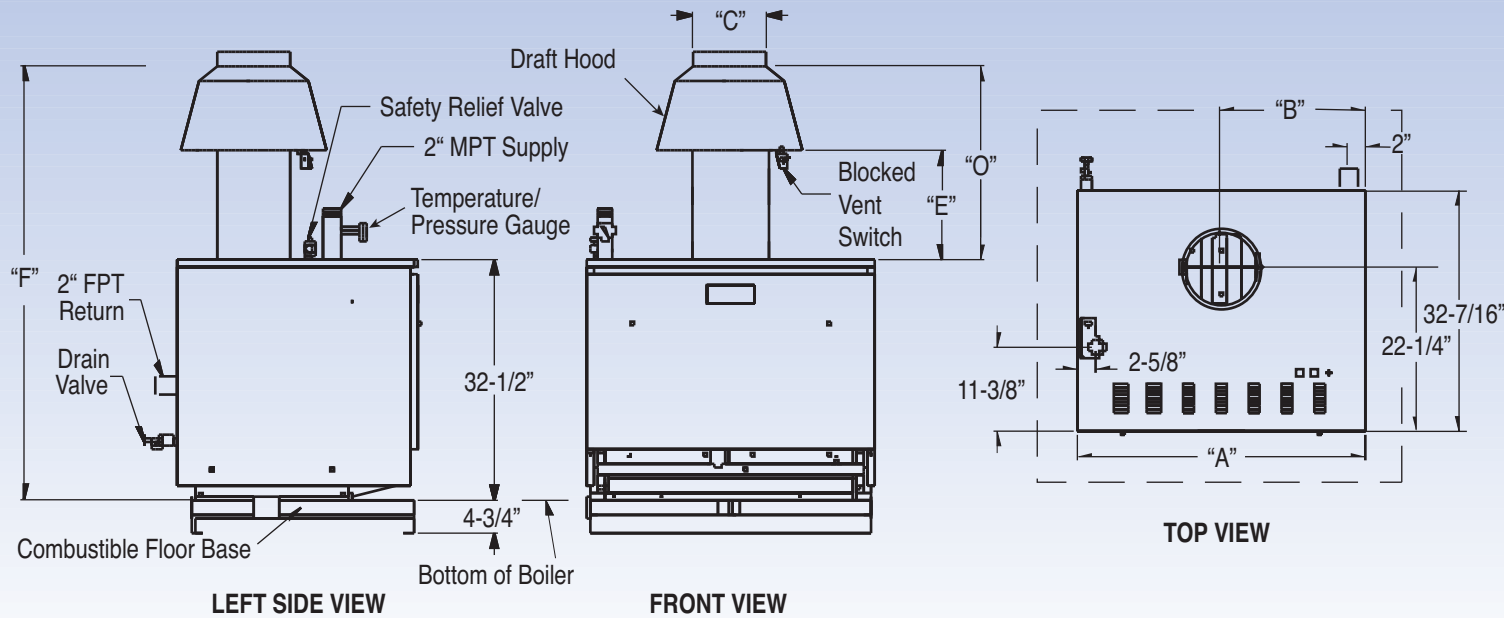
# CROWN Series 16

## Optional equipment

- Base for installation on combustible floors
- CSD-1 Control System
- 50 PSI safety relief valve
- Vent damper

## Important:

1. Not for direct installation on combustible flooring. A heat shield is required and available for installation on combustible floors and on concrete floors which are over a material that is subject to melting (PVC, PEX Radiant Tubing, etc.). Not for installation on carpet even with a heat shield.
2. External draft hood supplied-may not be cut or altered.



## Specifications

Boiler Model No.	No. of Sections	Natural or LP Gas				Dimensions						Water Content (Gallons)	Shipping Weight (Lbs)
		Input (BTUH)	D.O.E. heating Capacity (BTUH)	IBR Net Rating Water (BTUH)	AFUE (%)	A	B	C	D	E	F		
16-325	6	325,000	260,000	226,000	80.0	23-3/4	11-7/8	8	27-13/16	18	60-5/16	13.9	770
16-390	7	390,000	312,000	271,000	80.0	27-12	13-3/4	9	28-13/16	18	61-5/16	15.9	875
16-455	8	455,000	364,000	317,000	80.0	31-1/4	15-5/8	9	30-13/16	20	63-5/16	17.9	980
16-520	9	520,000	416,000	362,000	80.0	35	17-1/2	10	33-1/2	22	66	19.9	1080
16-585	10	585,000	468,000	407,000	80.0	38-3/4	19-3/8	10	33-1/2	22	66	21.9	1200

1. Ratings shown are for installations at sea level and elevations up to 2,000 feet. For elevations above 2,000 feet, ratings should be reduced at the rate of 4% for each 1,000 feet above sea level.
2. When ordering, use suffix EN for natural gas with electronic ignition and EL for LP gas with electronic ignition.
3. Net I=B=R ratings shown are based on normal I=B=R piping and pickup allowance of 1.15. Consult the manufacturer for installations having unusual piping and pickup requirements such as intermittent system of operation, extensive piping systems, etc.
4. Maximum allowable working pressure is 50 PSI.



M.E.A. and MASS. APPROVALS PENDING

Heat Exchanger constructed and tested in accordance with ASME Section IV standard.

AVAILABLE FROM

## CROWN Boiler Co.

Since 1949, homeowners have depended on us for quality, value and service

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S16-4/04 (15M)  
PN980534

# CROWN Series 16

Commercial, atmospheric, gas-fired hot water boiler

in sizes for large homes, multi-family residences, small businesses and office complexes



- Five sizes: 325,000 to 585,000 BTU input
- Your choice of natural or LP gas
- Shipped semi-packaged for easier delivery
- Compact design fits through existing doorways
- Can be piped together for larger installations
- Cast iron sections and push nipples for long life
- Can be installed on combustible floors with an optional base
- Controls under jacket for security and a clean appearance





# CROWN

# Series 16

## Commercial, atmospheric, gas-fired hot water boiler

- Atmospheric design provides smooth light-off and quiet operation.
- Equipped with proven controls that are easy to set up and maintain.
- Five sizes cover a wide range of heating requirements.
- Compatible with multiple installations, with the advantages of less piping and venting, fewer controls and a lower installed cost.
- Compact design will fit through existing doors.
- Semi-packaged units are shipped with sections assembled and mounted on the base, and with manifold, burners and flue collector installed. Controls, trim, jacket and optional vent damper if ordered are shipped separately.
- Minimum side clearances are ideal for multiple boiler installations.
- Cast iron heat exchangers and iron push nipples provide optimum efficiency and long life by resisting the chemicals used to inhibit corrosion, lubrication, anti-freeze and the unburned vapors in flue gases.
- Aluminized steel burners provide optimum air flow for high combustion efficiency, smooth and quiet light-off and long life.
- Pinned heating surface and vertical flue design provides maximum heat with low draft losses for higher efficiency and lower fuel costs.
- Standard safety switches will safely shut down the boiler if the chimney or venting system becomes blocked or restricted.

### Minimum Clearances From Boiler To Combustible Material (inches)

Boiler Model	Front	Top	Sides	Rear
16-325 & 16-390	18	36	6	6
16-455, 16-520, 16-585	18	51-1/2	6	6

Clearance between adjacent Series 16 boilers in modular or multiple boiler installation = 1"

All of these features are standard equipment on Series 16 boilers

