

Our John Wood® series of oil-fired water heaters includes models for virtually every application from a single family home to a multi-unit resort hotel.

## Features

- Factory-installed nipples for easy installation
- Glass-lined inner tank and sacrificial magnesium anodes extend tank life
- Universal mounting design fits most burners
- Ceramic fiber combustion chamber maximizes heat retention
- Supplied with a blocked flue safety switch
- Factory installed drain valve
- Suitable for combination applications, potable water and space heating

### Center-Flue Residential Models

- Adaptable to retrofit old burners
- CFC-free foam insulation
- Front access to T&P valve
- 3/4" water connections
- Certified for use with ETL listed field power venter, Field Controls Model SWG11 4HD

### Center-Flue Commercial Model

- Multi-flue design for fast recovery
- Equipped with multiple anode rods for long life
- Heavy-duty fiberglass insulation
- 1" water connections
- Certified for use with ETL listed field power venter, Field Controls Model SWG11 4HD

### Direct Vent Residential Model

- Vents directly to the outside through the wall with 5', 10' or 20' flexible vent kits\*†
- Efficient Beckett AFG burner with pre-purge and post-purge\*
- Burner and vent kit available exclusively from John Wood
- CFC-free foam insulation
- 3/4" water connections
- Sealed combustion chamber eliminates backdraft vapors

\*Sold separately. †Factory length not to be altered.



## WARRANTY

6 Year Limited Tank Warranty\*

1 Year Limited Parts Warranty

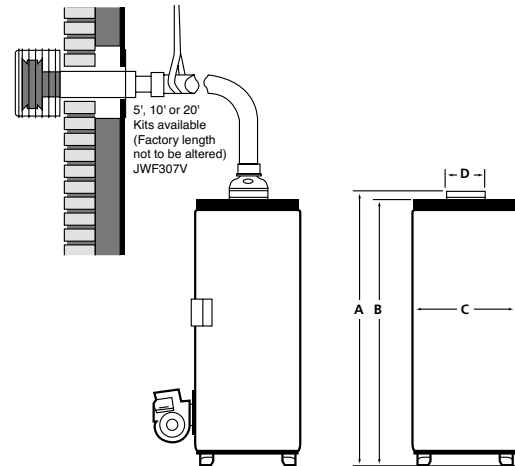
Consult installation manual for terms and conditions or visit [www.johnwoodwaterheaters.com](http://www.johnwoodwaterheaters.com) for more information.

\*3 Year Warranty for Commercial installations

#### PERFORMANCE

Model	Capacity	Standard Firing Rate	Input BTU/hr	Recovery Rate at 100°F/55°C Temp. Rise	First Hour Rating	Tube Insertion Length	Combustion Efficiency	Energy Factor
	USG (L)	USG/hr		USG (L)	USG (L)	in (cm)		
<b>CENTER-FLUE RESIDENTIAL</b>								
JWF307	32 (121)	0.65 - 0.75	90,000	84 (318)	110 (416)	4 ¾ (12)	77 - 80%	0.60
JWF507	50 (189)	0.75	106,000	100 (379)	190 (719)	5 ¾ (15)	77 - 80%	0.55
<b>CENTER-FLUE COMMERCIAL</b>								
JWF657	65 (238)	1.00 - 1.25	138,500	129 (488)	163 (617)	7 ¾ (20)	82 - 86%	N/A
<b>DIRECT VENT**</b>								
JWF307V	32 (121)	0.65	90,000	84 (318)	110 (416)	4 ¾ (12)	79 - 81%	0.60

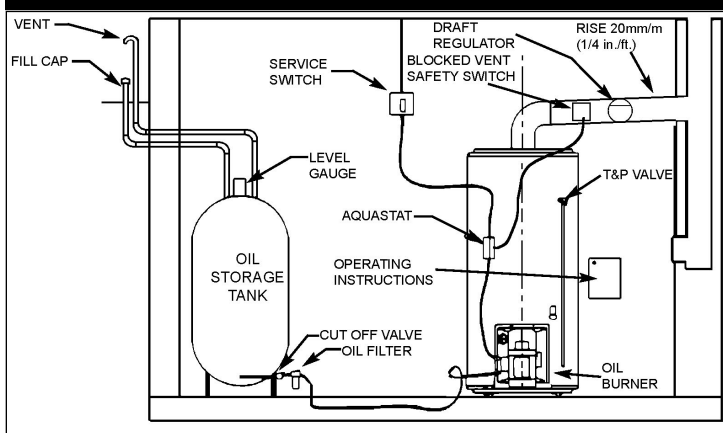
Notes: JWF307, JWF507, meet NAECA and DOE standards. JWF657 meets ASHRAE/IES 90.1b-1992 energy standards.  
 \*\*Direct vent models must use vent kit and burner supplied by John Wood® with pre-purge and post-purge features.  
 Burners are sold separately and warranted by the burner manufacturer.



#### DIMENSIONS & SHIPPING WEIGHT

Model	Installation Height	Height to Top of Tank	Tank Diameter	Vent Diameter	Water Connection (NPT)	Approximate Shipping Weight
	A in (cm)	B in (cm)	C in (cm)	D in (cm)	in	lb (kg)
<b>CENTER-FLUE RESIDENTIAL</b>						
JWF307	52 ¾ (134)	50 ⅝ (129)	20 (51)	6 (15)	¾	172 (78)
JWF507	60 ½ (154)	58 ½ (149)	22 (56)	6 (15)	¾	214 (97)
<b>CENTER-FLUE COMMERCIAL</b>						
JWF657	68 ¾ (175)	65 ⅝ (166)	26 (66)	6 (15)	1	379 (172)
<b>DIRECT VENT</b>						
JWF307V	52 ¾ (134)	50 ⅝ (129)	20 (51)	6 (15)	¾	172 (78)

#### PREFERRED INSTALLATION\*



\* Please consult local and municipal codes prior to installation.

#### John Wood® offers oil burners designed by Beckett

- Easy to install
- AFG Burner comes with Beckett Clean Cut Fuel Unit. Beckett R7184 Series 5 Primary Control, self-centering Nozzle Line Electrode. Assembly and one piece Flame Retention Head.



#### OIL BURNERS, VENT KITS & GASKETS

Part Number	Description	Input	Input
		GPH	BTU/hr
<b>CENTER-FLUE RESIDENTIAL</b>			
J3006	Beckett Oil Burner, For model JWF307	0.65	91,000
J5006	Beckett Oil Burner, For model JWF507	0.75	105,000
<b>CENTER-FLUE COMMERCIAL</b>			
J7006	Beckett Oil Burner, For model JWF657	1	138,000
<b>DIRECT VENT</b>			
J3007	Beckett Oil Burner (Dual Aquastat), For model JWF307V	0.65	91,000
63320	5' Vent Kit, includes termination, cage and adapter		
63321	10' Vent Kit, includes termination, cage and adapter		
63322	20' Vent Kit, includes termination, cage and adapter		
63400	3" Clamp & Teflon Gasket		
63401	6" Clamp & Teflon Gasket		

For Technical Information/Warranty:  
 Call 1-888-479-8324 or email techsupport@hotwater.com  
[www.johnwoodwaterheaters.com](http://www.johnwoodwaterheaters.com)