



## Oil-Fired Water Heaters

**O**ur 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
- Galvanized steel bottom pan resists corrosion
- 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

### Rear-Flue and Combo-Flue Residential Models

- Heavy-duty fiberglass insulation
- 1" water connections on 70 gallon models
- 3/4" water connections on 30 and 50 gallon models

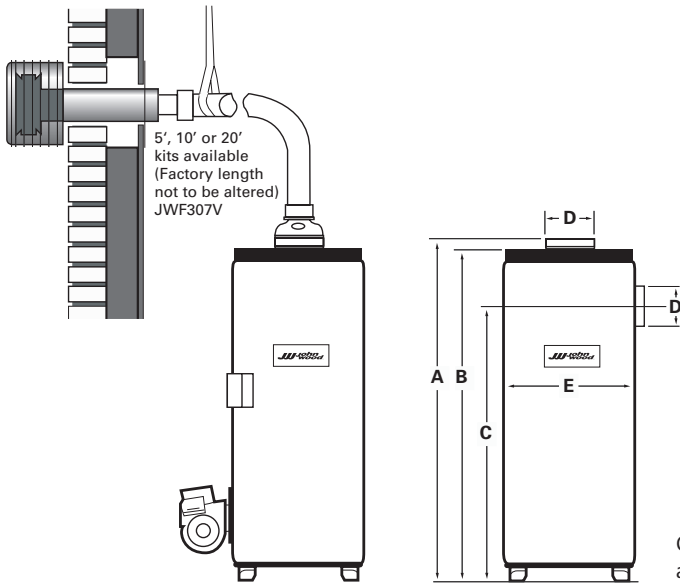
### Direct Vent Residential Model

- 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
- CFC-free foam insulation
- 3/4" water connections
- Sealed combustion chamber eliminates backdraft vapors

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



# Oil-Fired Water Heaters




  
 Commonwealth of Massachusetts  
 and MEA listed.

CAPACITY & PERFORMANCE									
Model (see note)	Capacity (Gal. / Liters)	Standard Firing Rate GPH	Input B.T.U.	First Hour Rating (Gal. / Liters)	Recovery Gal / Hr		Tube Insertion Length (inches / cm)	Combustion Efficiency	Energy Factor (EF)
					90°F / 50°C (Gal. / Liters)	100°F / 55°C (Gal. / Liters)			
<b>Center-flue Residential</b>									
JWF307	32 / 121	0.65 – 0.75	90,000	110 / 416	92 / 348	84 / 318	4 3/4 / 12.1	77 – 80%	0.60
JWF507	50 / 189	0.75	106,000	190 / 719	107 / 405	100 / 379	5 3/4 / 14.6	77 – 80%	0.55
<b>Center-flue Commercial</b>									
JWF657	63 / 238	1.00 – 1.25	138,500	163 / 617	143 / 541	129 / 488	7 3/4 / 19.7	82 – 86%	N/A
<b>Direct Vent**</b>									
JWF307V	32 / 121	0.65	90,000	110 / 416	92 / 348	84 / 318	4 3/4 / 12.1	79 – 81%	0.60
<b>Rear / Combo-flue</b>									
JW317 / 327	30 / 114	0.75	106,000	150 / 568	107 / 405	100 / 379	7 / 17.8	84 – 85%	0.62
JW517 / 527	50 / 189	0.85	119,000	147 / 556	123 / 466	109 / 414	7 / 17.8	84 – 85%	N/A
JW717 / 727	70 / 265	1.00	138,500	N/A	143 / 541	129 / 488	7 / 17.8	84 – 85%	N/A

ROUGH-IN DIMENSIONS								
Model (see note)	A (inches / cm)	B (inches / cm)	C (inches / cm)	D (inches / cm)	E (inches / cm)	Water Connection (inches NPT)	Shipping Weight (lbs / Kg)	
<b>Center-flue Residential / Direct Vent</b>								
JWF307 / JWF307V	52 3/4 / 134	50 5/8 / 129	–	6 / 15	20 / 51	3/4	172 / 78	
JWF507	60 1/2 / 154	58 1/2 / 149	–	6 / 15	22 / 56	3/4	214 / 97	
<b>Center-flue Commercial</b>								
JWF657	68 3/4 / 175	65 3/8 / 166	–	6 / 15	26 / 66	1	379 / 172	
<b>Rear / Combo-flue</b>								
JW317 / 327	61 / 160	61 / 155	48 7/8 / 124	6 / 15	24 / 61	3/4	230 / 105	
JW517 / 527	66 / 168	63 1/4 / 161	54 / 137	7 / 17.8	28 / 71	3/4	352 / 160	
JW717 / 727	69 3/4 / 177	67 3/4 / 172	58 1/2 / 149	7 / 17.8	32 / 81	1	455 / 207	

Notes: JWF307, JWF507, JW317 and JW327 meet NAECA and DOE standards. JW517, JW527, JWF657, JW717 and JW727 meet 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.



**Warranty:**  
 John Wood® Oil Series Residential water heaters will be replaced free of charge in the case of tank leakage within 6 years, Commercial water heaters within 3 years. All parts supplied are warranted for 1 year. Warranty does not include labor. Consult the owner's manual for complete details.