



# Commercial Gas Water Heaters

## FORCE™ 90 POWER VENT

The Force™ 90 is a light-duty, power vent, fully condensing commercial gas water heater with an internal helical heat exchanger. This helical heat exchanger helps the Force 90 achieve 90% thermal efficiency and deliver outstanding hot water output.

### POWER VENT DESIGN FOR INSTALLATION VERSATILITY

- Modular blower, with 120 volt, 60Hz electrical system (5 amps or less), 6-foot cord with standard 3-prong connector
- Combined vertical and horizontal runs terminating through an outside wall, using Schedule 40 PVC, CPVC, ABS, or polypropylene pipe. as follows:
  - 2" pipe allows vent runs up to 25 equivalent feet
  - 3" pipe allows vent runs up to 65 equivalent feet
  - 4" pipe allows vent runs up to 128 equivalent feet

### HIGH OUTPUT WITH SMALL FOOTPRINT

- 22" diameter, combined with 90% efficiency, 50-gallon tank and 76,000 BTU input means Force 90 can be installed in less space than a larger 75-gallon unit, with equal or better performance.
- Total height is 70-5/8" to top of blower outlet.

### SIDE-MOUNTED TAPS FOR RECIRCULATING SYSTEMS

- Hot and cold side taps allow Force 90 to be used for combination systems for water heating plus space heating, radiant floor heating or other applications requiring a recirculating hot water loop.

### INTELLI-VENT™\*\* GAS CONTROL WITH SILICON NITRIDE HOT SURFACE IGNITOR

- Premium-grade hot surface ignitor eliminates standing pilot.
- Electronic circuitry provides superior system diagnostics capabilities plus extremely precise temperature control.

### BLUE DIAMOND® GLASS COATING WITH TWO HEAVY DUTY ANODE RODS

- Provides superior corrosion resistance compared to industry standard glass lining.

### GREEN CHOICE® GAS BURNER

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/J.

### SELF-CLEANING DIP TUBE

### CSA CERTIFIED AND ASMERATED T&P RELIEF

### VALVE MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

### CODE COMPLIANCE

- Meets UBC, CEC and HUD National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/ IENSA 90.1.

### 3-YEAR LIMITED TANK AND 1-YEAR LIMITED PARTS WARRANTY

- For complete information, consult written warranty or go to [statewaterheater.com](http://statewaterheater.com).

\* 3.07 GPM continuous flow, based on 65°F inlet water temperature, 110°F outlet temperature.  
 \*\*Intelli-Vent™ is a registered trademark of Emerson Electric Company



## SERIES 110



# SOLID. STATE.

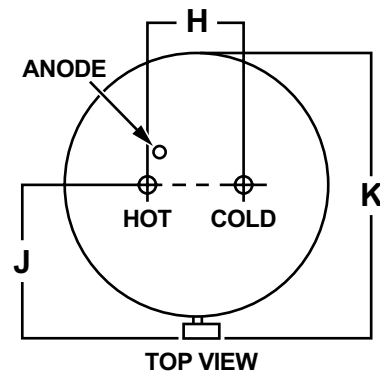
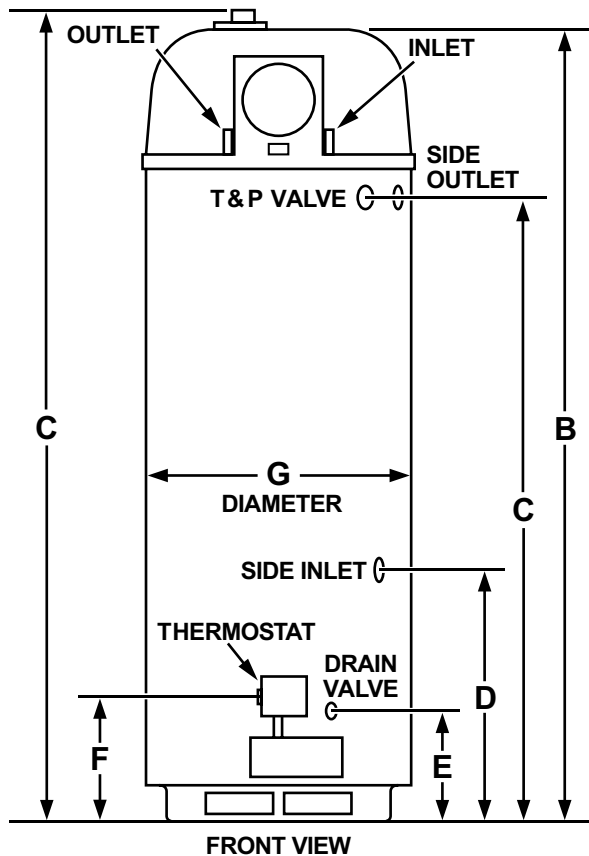


# Commercial Gas Water Heaters

Model Number	Gallon/Litre Capacity	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Per Hour	First Hour Delivery Gallons/Litres	Dimensions in Inches										Approx. Shipping Weight (lbs/kg)
					A	B	C	D	E	F	G	H	J	K	
SHE50 76N	50/189	92	76,000	127 / 481	71	68-5/8	52	21	9-1/8	12	22	8	15-3/4	27	210/95

Available in natural gas only.  
 Top inlet and outlet connections: 3/4" male NPT.  
 Circulation loop connections: 3/4" female NPT.  
 Standard model certified for sea level to 5,300 ft. elevation. Order SMR K30 for elevations to 10,100 ft.  
 Optional Condensate Neutralizer Kit available (Part Number 9007959005).

Model Number	Temperature Rise	Recovery Capacities												
		F°	30	40	50	60	70	80	90	100	110	120	130	140
SHE50 76N	GPH		275	206	165	138	118	104	92	83	75	69	64	59
	LPH		1041	780	625	522	447	394	348	314	284	261	242	223



\* INSTALL IN ACCORDANCE WITH LOCAL CODES