



DISTRIBUTOR PRICE BOOK

PRICES EFFECTIVE JUNE 4, 2012



RESIDENTIAL & COMMERCIAL WATER HEATERS, TANKLESS,
SOLAR, PUMP, EXPANSION AND STORAGE TANKS

May 2012 SMBPB00308

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Information

TERMS OF SALE

Prices are effective at time shipments are made. Prices are subject to change without notice. Prices are subject to any sales or use tax that may be assessed thereon. Prices are F.O.B. factory manufacture.

ADD ON

Prices are net.

TERMS

2% 10th Prox, Net 25th.

PAYMENT POLICY

Credit memos should be deducted from open invoice(s) before applying any cash discount(s).

WAREHOUSE SHIPMENTS

(OTHER THAN MCBEE, SC, EL PASO, TX, AND ASHLAND CITY, TN)

Prices are F.O.B. warehouse. Distributor price and regular terms apply. No freight allowance.

TRANSPORTATION CLAIMS

Merchandise shipped to our customer becomes property of the buyer upon receipt by the carrier. It is necessary that the merchandise be carefully inspected upon receipt to ensure the units are damage-free. In event of either merchandise shortage or damage, the buyer's receiving agent should have the carrier's agent make notation of the condition or shortages on their receiving report so a claim can be filed against the carrier. If damage is discovered after unpacking, the carrier should be notified at once, so inspection can be made and the claimed damage substantiated by the carrier. The buyer under any circumstance must file the claim.

RETURN OF MERCHANDISE

No merchandise may be returned to the factory or warehouse for credit without prior written authorization from State Water Heaters. If merchandise is returned (providing it is new and unused), it must be sent freight prepaid and will be subject to a 20% restock charge for standard products and 30% for non-standard products. All merchandise returned without prior authorization will be refused and returned to the customer with any incurred expenses charged back to the customer. Build-to-order merchandise will be reviewed on a production status basis.

LOAD FACTOR

The load factor represents the percent of cube an individual model consumes in a high cube, 53' trailer. A full load order is quantified when the sum of the load factors equals 100 points. Single-stop load must equal 100 points, two-stop loads should equal 98 points and three-stop loads should equal 96 points.

Distance between the first and last stop must not exceed 150 miles without prior approval from the Customer Service Department. All stops must be unloaded in a single day.

Load Factor percentages for Pump and Expansion tanks may be used to determine the load factor of a load, however will not count towards the 55-unit minimum order requirement.

Commercial water heaters load percentages may not be used when calculating the necessary points for a qualifying residential truckload.

The total load factor of a commercial order will determine whether the order qualifies as a truckload.

SPECIAL DELIVERY SERVICES

Please call the customer service department to inquire on the cost of special services such as:

- Power lift gate deliveries
- Inside and construction site deliveries
- Notification before delivery calls
- Less than 53' trailer
- COD billings
- Driver assist and unload
- Other special services as needed

Factory Freight Terms

RESIDENTIAL WATER HEATER SHIPPING POLICY	FREIGHT ALLOWED
UNLOADING ALLOWANCE (QUALIFIES WHEN ORDER BILLED TO ONE CUSTOMER MEETS CRITERIA FOR FULL LOAD AS EXPLAINED UNDER "LOAD FACTOR" WITH MAXIMUM OF 3 STOPS)	\$3 PER UNIT
55 UNITS OR MORE (which allows manufacture to pool with other orders)	YES
54 UNITS OR LESS	NO
DROP-OFF DELIVERY OF 25-54 UNITS	\$100/STOP
PUMP AND EXPANSION TANKS AND TANKLESS HEATERS ON QUALIFYING RESIDENTIAL SHIPMENTS	YES
ORDERS OR ORDER ADDITIONS OF LESS THAN 50 UNITS AND ACCOMPANIED WITH INSTRUCTIONS WHICH DO NOT ALLOW ORDER COMBINATIONS TO BE MADE*	NO
FACTORY PICK-UP ALLOWANCE ON 55 OR MORE UNITS (McBee, SC, El Paso, TX, and Ashland City, TN)	\$3.50 PER UNIT

- Premier® Hybrid Gas Water Heaters **DO NOT** qualify for the unloading allowance.
- Premier® Hybrid Gas Water Heaters **DO** qualify for **total** truckload volume.

*Orders and order additions of less than 55 units will be held until they can be combined with other orders for the same customer so truckload shipments and full freight allowances are utilized.

TANKLESS WATER HEATERS SHIPPING POLICY	FREIGHT ALLOWED
16 UNITS OR MORE	YES
15 UNITS OR LESS	NO
ADD-ON TO ALREADY QUALIFIED TANK-TYPE ORDER	YES

- Tankless Water Heaters **DO NOT** qualify for the unloading allowance.
- Tankless Water Heaters **DO NOT** qualify for **total** truckload volume.
- Separate FFA policy applies to venting and other accessories. Minimum order of \$750 must be placed for venting and other accessories to be combined.

SOLAR WATER HEATER SHIPPING POLICY	FREIGHT ALLOWED
ORDERS TOTALING \$15,000 OR MORE	YES

PUMP AND/OR EXPANSION TANKS SHIPPING POLICY	FREIGHT ALLOWED
54 UNITS OR LESS	NO
55 UNITS OR MORE	YES

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

COMMERCIAL WATER HEATER SHIPPING POLICY	FREIGHT ALLOWED
ANY QUANTITY SHIPPED FROM FACTORY LOCATIONS (McBee, SC, El Paso, TX, and Ashland City, TN)	YES
STORAGE TANKS LISTED IN THIS BOOK AND SHIPPED FROM A FACTORY LOCATION	YES
RENTON MANUFACTURED PRODUCTS AND SKID MOUNTED SYSTEMS	NO
WAREHOUSE SHIPMENTS (no handling charge)	NO
24-HOUR EMERGENCY SHIPMENTS	NO
A. WHEN 5 COMMERCIAL UNITS OR LESS ARE SHIPPED FROM A STATE WATER HEATERS FACTORY A FIXED HANDLING CHARGE WILL BE ASSESSED TO OFFSET A PORTION OF THE FREIGHT EXPENSE.	
1 OR 2 UNITS	\$100 PER UNIT
3, 4 OR 5 UNITS	\$75 PER UNIT
B. WHEN SHIPPING THESE UNITS FROM A STATE WATER HEATERS LOCAL WAREHOUSE, THE WHOLESALER WILL INCUR THE FREIGHT EXPENSE. NO HANDLING CHARGES WILL BE ASSESSED.	

WAREHOUSE TERMS

All warehouse shipments will be invoiced at current prices. All shipments are F.O.B. warehouse (Freight Collect).



Gas & Electric Residential Information

Warranties

Model	Limited Tank Warranty	Limited Parts Warranty	Model	Limited Tank Warranty	Limited Parts Warranty
State Premier® Power Vent Gas	6 Year	6 Year	State Select® Power Direct Vent	6 Year	6 Year
State Premier® Electric and Gas	10 Year	10 Year	State Select® Manufactured Housing Gas	6 Year	2 Year
State Select® Electric and Gas	6 Year	6 Year	State Scout Manufactured Housing Electric	5 Year	1 Year
State Select® Power Vent w/HSI	6 Year	6 Year	State Select® Dairy Barn	3 Year	1 Year
State Select® Direct Vent	6 Year	6 Year	Point-Of-Use	6 Year	6 Year

(For complete details of this warranty, refer to your catalog.)

High Altitude

All Flammable Vapor Ignition Resistant (FVIR) models are certified for installations from sea level to 7,700 ft. elevations. All 300 Series FVIR models are certified for installations from sea level to 10,100 ft. elevations.

Efficiency Standards

All models meet the thermal efficiency and Standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1 and Federal Energy Efficiency effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992. As a general matter, these Federal standards pre-empt state and local standards and any other state and local requirements with respect to energy efficiency or energy use.



This mark shown on a plumbing products signifies certification to California's legislation AB1953 and Vermont's legislation Act 193 that limits the lead content in Plumbing Fixtures that come in contact with drinking water to a maximum of 0.25% lead.



All gas models in this book are designed certified by CSA INTERNATIONAL. Exception - Flammable Vapor Ignition Resistant (FVIR) Power Vent Models are UL listed.



All electric and Flammable Vapor Ignition Resistant (FVIR) Power Vent models in this book are listed by UL (Underwriter's Laboratories, Inc).



State Water Heaters manufacturing facilities are certified as complying with ISO-9001 standards for quality management.



The industry's most "Environmentally-Friendly" gas burner! The Green Choice® gas burner cuts residential water heater emissions of nitric oxide and nitrous oxide by up to 33%, as compared with a conventional gas-fired burner.



Gas Water Heaters are Flammable Vapor Ignition Resistant (FVIR) compliant.



Blue Diamond® Glass Coating - the ultimate protection for maximum tank life.

Plumbing Wholesalers

- To place a water heater order call **1-800-519-4099** or fax your order to **1-800-365-3291**.
- To place a service parts order call **1-800-821-2017**.

Gas & Electric Residential Information

Ordering Information

Unless otherwise specified, all electric units will be shipped with the Basic Component Package, Standard Anode, and Standard Voltage/Wattage indicated for that model. If Premium Components or other Voltage/Wattage combinations are desired, please specify Component Package (Basic or Premium), Anode type, Wattage and Voltage (see availability tables below). The Premium Component Package is a \$20 option, and is designated in the model number with a "PP" suffix (ES 6 40DOR T PP). There is no price differential between single and dual element configurations.

Voltage/Wattage	BASIC COMPONENT PACKAGE			PREMIUM COMPONENT PACKAGE				
	120 Volt	208 Volt	240 Volt	120 Volt	208 Volt	240 Volt	277 Volt	480 Volt
	Copper Element/2-wire Circuit			Incoloy Element/3-wire Circuit* 4-wire available - must be specified in addition to premium components				
1000 Watt	n/a	See Premium Package	n/a	n/a	✓	n/a	n/a	n/a
1500 Watt	n/a	See Premium Package	See Premium Package	n/a	✓	✓	✓	n/a
1650 Watt	✓	n/a	n/a	✓	n/a	n/a	n/a	n/a
2000 Watt	n/a	n/a	See Premium Package	n/a	n/a	✓	n/a	n/a
2500 Watt	✓	See Premium Package	✓	✓	✓	n/a	✓	✓
3000 Watt	n/a	✓	See Premium Package	n/a	✓	✓	n/a	n/a
3500 Watt	n/a	✓	n/a	n/a	✓	n/a	n/a	n/a
3800 Watt	n/a	n/a	✓	n/a	n/a	✓	n/a	n/a
4000 Watt	n/a	✓	n/a	n/a	✓	n/a	n/a	n/a
4500 Watt	n/a	✓	✓	n/a	✓	✓	✓	✓
5500 Watt	n/a	See Premium Package	✓	n/a	✓	✓	n/a	n/a
6000 Watt	n/a	✓	✓	n/a	✓	✓	✓	✓

* For premium component package, 120 volt and 277 volt heaters will use 2-wire circuit unless 4-wire is specified. Residential electric thermostats are factory set to 120°F. Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement. All models comply with HUD regulations. T & P valves designated as supplied or installed by exact model is subject to change. Residential Electric units ordered with Top T&P option are shipped with T&P supplied (except in cases where NC code applies). All standard Residential Electric units (30-120 gallon) are shipped with factory installed Side T&P standard.

Description	Model No. Suffix	Price
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GAS

High Altitude (certain models) D —
(All FVIR models certified to 7700 feet altitude)
Propane — \$ 40.00
(Substitute "P" for "N" or "C" for "X" or "H" for "Y" in model number to order Propane)

ELECTRIC

The Junior Series is shipped to operate on 120 volt unless 240 is specified. Change suffix from "K" to "E" when ordering 240 volt. These elements are manufactured to operate on 240 or 208 volts. Shown in the chart below is the wattage for each voltage.

240 Volt Wattage		208 Volt Wattage
2000	All models	1500
3000	All models	—
3800	All models	3000
4500	All models	3500
5500	All models	4000
6000	All models	4500

STANDARD ON ALL STATE RESIDENTIAL ELECTRIC WATER HEATERS

- Foamite (polyurethane foam) insulation
- CSA Certified and ASME Rated T&P Relief Valve on side T&P models (Top T&P supplied on Top T&P models, except N.C. code units)

- UL Listed Energy Cutoff
- Brass Drain Valve (excluding Junior models 6 - 19.9 gal.)
- Maximum Hydrostatic Working Pressure - 150 PSI

STANDARD ON ALL STATE RESIDENTIAL GAS WATER HEATERS

- Green Choice® - The "Environmentally-Friendly" gas burner
- Foamite (polyurethane foam) insulation
- CSA Certified and ASME Rated T&P Relief Valve
- Anode Rod
- Aluminized Steel Multi-Port Burner
- Energy-Saving Pilot
- CSA Certified Energy Cutoff
- Maximum Hydrostatic Working Pressure - 150 PSI

GAS & ELECTRIC SPECIAL ORDERS

STATE SELECT GAS MODELS (pages 23 & 24) may be special ordered with ten (10) year warranty, substitute "X" (10) for "6" in the model number. **EXAMPLE: GSX 40 YBRT and add \$90 to 6 year price in this price book.**

STATE SELECT ELECTRIC MODELS (pages 7 & 8, excluding Table Top and Junior models) may be special ordered with ten (10) year warranty, substitute "X" (10) for "6" in the model number. **EXAMPLE: ESX 52 DORT and add \$90 to 6 year price in this price book.**

FOR INFORMATION ON HOW TO READ A MODEL NUMBER, SEE PAGE 72.



PREMIER®



PREMIER® HYBRID ELECTRIC HEAT PUMP WATER HEATERS
10-Year Tank / 10-Year Parts Warranty

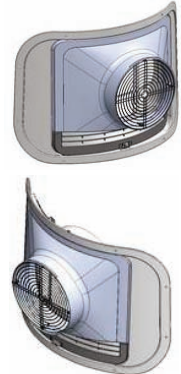
- ENERGY STAR® Qualified
- Energy Saving Heat Pump Technology Can Reduce Water Heating Costs by up to 66%
- Increased Storage Allows Heat Pump to Operate More Frequently, Boosting Savings
- “Environmentally-Friendly” R134a Refrigerant
- Multiple Operating Modes to Optimize Savings & Performance
- User-Friendly LCD Touch Pad Control Interface in Plain English
- Long Lasting Incoloy Backup Heating Elements
- Water Temperature Set Point Range 95°F to 150°F (35°C to 66°C), with Child Resistant Temperature Set Point Safety Lock
- Advanced Diagnostics in Plain English Text – Stores Last Four Error Messages
- Maintenance Free Powered Anode for Protection in Any Water Conditions
- Easy-to-Remove, Washable Air Filter
- 2 Inch “Environmentally-Friendly” Non-CFC Foam Insulation Reduces Standby Heat Loss

Model Number	Hi Cube Trailer Load Factor	Gallon Capacity	Energy Factor by mode EFFICIENCY/HYBRID/ELECTRIC			Standard Voltage	No. of Elements	Standard Input (kW) Upper/Lower	Height (inches)	Diameter (inches)	Approx. Shipping Weight (lbs.)	Net Distributor Price
EPX 60 DHPT	1.67	60	2.40	2.33	.88	240V	2	4500/2000	67 1/3	24 1/2	365	\$ 1,099
EPX 80 DHPT	1.67	80	2.30	2.33	.85	240V	2	4500/2000	81 1/2	24 1/2	410	1,695

INLET AIR AND OUTLET AIR DUCT ADAPTER KITS

Duct adaptors kits can be used to redirect inlet and/or outlet air from or to other locations to permit installation in confined spaces, improve performance and maintain comfort in occupied areas of the home.

- Engineered solution – ensures optimal performance
- Allows confined space installation in areas as small as 8’ x 4’ x 4’ (128 cubic feet)
- Redirect outlet air to alternate location for confined space installations
- Draw inlet air from alternate location for confined space installations
- Redirect cold outlet air to another location for greater comfort
- One or both kits can be used to redirect air flow to the water heater
- Maximum length of duct is 10 feet - total length for one or both kits
- Uses standard 8 inch flexible duct (field supplied) to redirect inlet or outlet air



Part Number	Description	Approximate Shipping Weight (lbs.)	Net Distributor Price
9910005000	Inlet Air Duct Kit	5.46	\$ 75
9910006000	Outlet Air Duct Kit	5.35	75

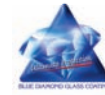
See the Duct Kit Installation Instructions and heat pump water heater Instruction Manual for complete installation instructions and requirements.

PREMIER®



10-Year Tank / 10-Year Parts Warranty

Premium Component Package available at no charge



- Blue Diamond® Glass Coating
- PEXAN™ Turbo Self-Cleaning Inlet Tube
- Tamper-Resistant Brass Drain Valve
- Dual 4500 Watt Elements - Standard
- 3 Inch Foam Insulation for Ultimate Efficiency
- CSA Certified and ASME Rated Side T&P Relief Valve
- Factory-Installed External Silencer™ Heat Trap Nipples
- Magnesium Anode
- T&P Insulation and Pipe Insulation

Model Number	Gallon Capacity	Energy Factor	Input Watts	Standard Voltage	Number of Elements (Standard)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
EPX 40 DXRT	40	.95	4500	240	2	20	60½	.80	118	\$ 882
EPX 52 DXRT	50	.95	4500	240	2	22½	57	.76	134	951
EPX 66 DXRT	66	.95	4500	240	2	24	62	1.00	143	1,173
EPX 80 DXRT	80	.95	4500	240	2	26	62	1.00	200	1,267
SHORT MODELS										
EPX 40 DXRS	40	.95	4500	240	2	22½	47	.69	109	\$ 882
EPX 50 DXRS	50	.95	4500	240	2	24	50	.72	161	951

For single element models - change D for S in the model number Example: (EPX 40 SXRT)
 Top T&P option NOT available on these models.

SELECT®



HIGH EFFICIENCY

6-Year Tank / 6-Year Parts Warranty

- Tall & Short Models Available
- 2½" Inch Foam Insulation Improves Efficiency
- CSA Certified and ASME Rated Side T&P Relief Valve (Top T&P Valve Optional)
- Tamper-Resistant Brass Drain Valve
- PEXAN™ Diffuser Dip Tube - Self Cleaning
- Factory-Installed Heat Trap Nipples

Model Number	Gallon Capacity	Energy Factor	Input Watts	Standard Voltage	Number of Elements (Standard)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
ES6 40 DOCT	40	.93	4500	240	2	19	60	.89	114	\$ 661
ES6 52 DOCT*	50	.93	4500	240	2	21½	56½	.60	126	729
ES6 66 DOCT	66	.92	4500	240	2	23	61	1.00	165	951
ES6 80 DOCT*	80	.93	4500	240	2	25	61½	1.25	127	1,047
SHORT MODELS										
ES6 50 DOCS	50	.93	4500	240	2	23	49	.70	127	\$ 729

Models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number Example: (ES6 40 DOCT G)
 10-Year Tank Warranty available + \$90. When ordering, change 6 to X in the model number (ESX 40 DOCT)

For single element models - change D for S in the model number Example: (ES6 40 SOCT)

*Top T&P option NOT available on these models.

SPECIAL NOTE: Tall, Short and Lowboy State Select and State Select High Efficiency electric models are eligible for Stage I or Stage II State Select 10 or Stage I State Select 8 tank and warranty extension kits. See page 10 for more information or contact a State Representative for details on Stage I or Stage II State Select 10 (Stage I #9004329005, Stage II #900648005) or Stage I State Select 8 (Stage I #9004328005) Warranty Extension kits.

SELECT®



6-Year Tank / 6-Year Parts Warranty

- Tall, Short, Lowboy, Table Top & Junior Models Available
- PEXAN™ Diffuser Dip Tube - Self Cleaning
- Thick Foam Insulation Improves Efficiency
- 4500 Watt Elements - Standard on Tall, Short, Lowboy and Table Top Models
- Tamper-Resistant Brass Drain Valve
- CSA Certified and ASME Rated Side T&P Relief Valve (Top T&P Valve Optional on Tall, Short, and Lowboy Models)
- Factory-Installed Nipples on Tall, Short and Lowboy Models

Model Number	Series	Gallon Capacity	Energy Factor	Input Watts	Standard Voltage	Number of Elements (Standard)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS											
ES6 30 DORT	200	30	.93	4500	240	2	18	46½	.43	90	\$ 545
ES6 40 DORT†	200	40	.92	4500	240	2	18	59½	.86	106	595
ES6 52 DORT	210	50	.91	4500	240	2	20	54	.48	116	664
ES6 55 DORT	210	55	.90	4500	240	2	20	60¼	.60	134	664
ES6 66 DORT	210	66	.88	4500	240	2	20½	60¼	.75	178	869
ES6 80 DORT	210	80	.86	4500	240	2	22½	60½	1.00	208	966
ES6 120 DORT*	200	119	.81	4500	240	2	28	64¼	1.25	336	1,365
SHORT MODELS											
ES6 30 DORS	200	30	.93	4500	240	2	20½	36½	.38	90	\$ 545
ES6 40 DORS	200	40	.92	4500	240	2	20½	44	.54	103	595
ES6 50 DORS	210	50	.90	4500	240	2	21½	48	.54	121	664
LOWBOY MODELS											
ES6 30 DOLS	200	30	.93	4500	240	2	22	30	.38	111	\$ 569
ES6 30 DOLBS+	100	28	.93	4500	240	2	20	30	.38	90	574
ES6 40 DOLNS***	200	38	.92	4500	240	2	23	31¼	.48	113	604
ES6 40 DOLBS+	200	48	.93	4500	240	2	24	32¼	.48	118	614
ES6 50 DOLS***	200	50	.91	4500	240	2	26½	34	.56	164	669
TABLE TOP MODELS											
P6 30 2OT1	N/A	27	.89	4500	240	2	21 x 25	36	.40	170	\$ 794
P6 40 2OT4	N/A	40	.88	4500	240	2	24 x 25	36	.40	170	868
JUNIOR MODELS*											
ES6 6 SOMS K	N/A	6	N/A	1650	120	1	14¼	15¼	.01	35	\$ 413
ES6 10 SOMS K	N/A	10	N/A	1650	120	1	16	18¼	.01	41	410
ES6 20 SOMS K	N/A	19	N/A	1650	120	1	18	24¾	.10	68	464
ES6 20 SOMT K	N/A	19.9	N/A	1650	120	1	16	31⅝	.15	68	522
ES6 30 SOMS K**	N/A	29	.93	1650	120	1	22	30	.38	111	546
ES6 40 SOMNS K**	N/A	38	.92	1650	120	1	23	31⅝	.48	115	580

*Top T&P option NOT available on these models.

10-Year Tank Warranty available + \$90. When ordering, change "6" to "X" in the model number (ESX 40 DORT)

†If top T&P, anode outlets are needed please use a .83 load factor

For single element models—change "D" for "S" in the model number (ES6 40 SORT)

**For dual element models—change "S" to "D" in the model number (ES6 30 DOMS K or ES6 40 DOMNS K)

***10-Year Tank Warranty models not available with top T&P

+Heater ships with supplied insulation blanket

Select models, including the Point-of-use, Select Junior models and MHEW models are not available in the configurations noted under the Premium Component Packages. These models further may have limited choices for element wattage. Note that not all element choices may be configured in all models, due to element size or other restrictions.

SPECIAL NOTE: Tall, Short and Lowboy State Select and State Select High Efficiency electric models are eligible for Stage I or Stage II State Select 10 or Stage I State Select 8 tank and warranty extension kits. See page 10 for more information or contact a State Representative for details on Stage I or Stage II State Select 10 (Stage I #9004329005, Stage II #900648005) or Stage I State Select 8 (Stage I #9004328005) Warranty Extension kits.

SELECT®

POINT-OF-USE

6-Year Tank / 6-Year Parts Warranty

- Wall Mount Bracket
- Meets the Standby Loss Requirements of the U.S. Department of Energy and Current Edition ASHRAE/IESNA 90.1
- Cord and Plug Standard
- Temperature & Pressure Relief Valve
- CSA Certified and ASME Rated T&P Relief Valve



Model Number	Gallon Capacity	Energy Factor	Input Watts	Standard Voltage	Number of Elements	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ES6 2 SSUS K	2.5	N/A	1500	120	1	13¾	13¾	0.01	20	\$ 347

Heaters only available in the 120 Volt/1500 Watt configuration listed above.

DAIRY BARN

3-Year Tank / 1-Year Parts Warranty

- Foam Insulation Reduces Fuel Costs
- Legs and Base Stand Included
- 180° Thermostats
- Two 4500 Watt Elements
- CSA Certified and ASME Rated T&P Relief Valve



Model Number	Gallon Capacity	Energy Factor	Input Watts	Standard Voltage	Number of Elements	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
PE 82 2ODT	80	N/A	4500	240	2	24	67½	1.39	210	\$ 1,250

Refer to page 5 for ordering information.

MOBILE HOME

6-Year Tank / 6-Year Parts Warranty

- Dual 3500 Copper Elements
- Side Inlet/Outlet Connections
- Durable, Tamper-Resistant Brass Drain Valve



Model Number	Series	Hi Cube Trailer Load Factor	Gallon Capacity	Energy Factor	Standard Voltage	No. of Elements	Standard Input (kW)	Height to Top of Heater (Inches)	Jacket Diameter (Inches)	Approximate Shipping Weight (Lbs)	Net Distributor Price
MHEW2-30L-035DV	100	.36	28	0.93	240	2	3.5	28-3/4	22	84	\$ 580
MHEW2-30H-035DV	100	.37	30	0.93	240	2	3.5	45	18	77	551
MHEW2-40R-035DV	100	.46	40	0.92	240	2	3.5	47-1/4	20	92	591
MHEW2-30L-030DV	100	.36	28	0.93	120	2	3.0	28-3/4	22	84	580
MHEW2-30H-030DV	100	.37	30	0.93	120	2	3.0	45	18	77	551
MHEW2-40R-030DV	100	.46	40	0.92	120	2	3.0	47-1/4	20	92	591

Elements are high watt density type
 Select models, including the Point-of-use, Select Junior models and MHEW models are not available in the configurations noted under the Premium Component Packages. These models further may have limited choices for element wattage. Note that not all element choices may be configured in all models, due to element size or other restrictions.



SELECT® 10 & SELECT® 8

WARRANTY EXTENSION KITS

Place orders with the Service Parts Department at 800-821-2017

State offers three kits enabling licensed plumbing contractors to extend the limited warranty on eligible State water heaters - a 2-year kit that extends the warranty to 8 years, and three stages of 4-year kits that extend the warranty to 10 years. Extended Warranty Kits must be installed within 30 days of installation date. The following State models are eligible for the State 10 or State 8 warranty extensions:



STAGE I GAS MODELS				STAGE I ELECTRIC MODELS			
GS6 30 YORT	GS6 40 YBRS	GS6 40 YRRT	GS6 30 YOCT	ES6 30 DORT	ES6 66 DORT	ES6 30 DOLS	ES6 52 DOCT
GS6 40 YBRT	GS6 50 YBRS	GS6 50 YRRT	GS6 40 YOCT	ES6 40 DORT	ES6 30 DORS	ES6 40 DOLNS	ES6 66 DOCT
GS6 50 YBRT		GS6 50 YRRT 5	GS6 50 YOCT	ES6 52 DORT	ES6 40 DORS	ES6 50 DOLS	ES6 50 DOCS
GS6 30 YORS		GS6 65 YRRT		ES6 55 DORT	ES6 50 DORS	ES6 40 DOCT	ES6 40 DOLBS

This kit contains instructions, an extension sticker and a certificate request form.

STAGE II GAS MODELS			STAGE II ELECTRIC MODELS		
GS6 40 YBDS	GS6 40 YBVIT	GS6 50 YRPDT5	ES6 80 DOCT	ES6 80 DORT	ES6 120 DORT
GS6 50 YBDS	GS6 50 YBVIT	GS6 75 YRPDT			
GS6 50 YRDS	GS6 40 YBVIT2	GS6 40 YBFT			
GS6 75 YRDS	GS6 50 YBVIT2	GS6 50 YBFT			
	GS6 40 YRVIT	GS6 50 YRFT5			
	GS6 50 YRVIT	GS6 40 YBFS			
	GS6 50 YRVIT 5	GS6 50 YBFS			
	GS6 40 YBPDT				
	GS6 50 YBPDT				

This kit contains instructions, an extension sticker, a hot water outlet secondary anode assembly and cold water nipple with the Silencer™ heat traps. Cannot be used with top T&P models ("G" suffix).

STAGE III GAS MODELS		
GS6 30 UORT	GS6 40 UOCT	GP6 40 YPCT
GS6 40 UBRT	GS6 50 UOCT	GP6 50 YPCT
GS6 50 UBRT		GP6 40 YPCS

This kit contains instructions, an extension sticker and a certificate request form.

Part Number	Description	Approximate Shipping Weight	Price Each
9004329005	State Select 10 Stage I Warranty Extension Kit	2	\$ 85
9006480005	State Select 10 Stage II Warranty Extension Kit	2	134
9007691005	State Select 10 Stage III Warranty Extension Kit	0.5	\$ 134
Part Number	Description	Approximate Shipping Weight	Price Each
9004328005	State Select 8 Stage I Warranty Extension Kit	0.5	\$ 37

Water Heater Stands (For ordering information call the Service Parts Department at 800-821-2017)

Part Number	Description	Carton Quantity
*9005743005	Water Heater Stand — 22" x 22" x 16"	1
*9005744005	Water Heater Stand — 24" x 24" x 18"	1

*NOTE: For compliance with National Fuel Gas Code Z223.1 1980 Section 5.1.9 Installation in Residential Garages.

SELECT[®]



GEOHERMAL STORAGE TANKS

6-Year Tank / 6-Year Parts Warranty

- Energy-Efficient Electric Booster Tanks
- Sandhog Low-Watt Density 4500-Watt Incoloy Steel Heating Element
- Factory-Installed Temperature Sensor standard on all models
- Diffuser Dip Tube
- Glasslined Tank with Two Anode Rods
- 2 Inch Thick (R-16) Foam Insulation for High Efficiency
- Durable Brass Tamper Resistant Drain Valve
- Factory-Installed T&P Relief Valve
- Certified to UL 174 for Household Electric Water Heaters

Model Number	Gallon Capacity	Loading Percentage 53'	Element Wattage (240 Volt)	Recovery 90°F Rise Gallons Per Hour	Number of Elements	R Value	Height (Inches)	Diameter (Inches)	Approximate Shipping Weight (lbs)	Net Distributor Price
SGV 82 1OTS	80	1.39	4500	21	1	16	63-1/4	24	204	\$ 823
SGV 120 1OTS	119	1.59	4500	21	1	16	63-1/4	28	311	1,034

Recovery capacity is based on actual performance tests

Premier®

SOLAR ELECTRIC SYSTEM PACKAGES

10-year collector/2-year pump station/1-year parts limited warranty

- Standard and Deluxe Solar system packages
- Solar booster tanks are ordered separately
- 16 solar water heating systems - one, two or three collector configurations - collectors can be added for larger systems.
- Single wall and double wall heat exchanger systems
- All systems are SRCC Certified OG-300
- All collectors are SRCC Certified OG-100
- ENERGY STAR® Qualified
- Up to 10.1 Solar Energy Factor (SEF) Ratings
- Provides up to 70% of the energy needed for water heating directly from the sun
- All system packages include integrated solar pump stations
- Eligible for Federal Tax Credit - 30% of Total Installed Cost (no cap) through 2016. State, local and utility rebate programs may also apply. Visit www.statewaterheaters.com for more information.



Proudly partnered with Chromagen™ to offer Solar Thermal Collectors



PLACING SOLAR SYSTEM ORDERS

Standard and Deluxe solar system packages are available, see the comparison table below.

1. Use the Solar Sizing Guide to determine the number of solar collectors and the solar booster tank required.
2. Order a system package from the Standard or Deluxe Solar System Package tables that meets the sizing needs making sure double wall heat exchanger systems are ordered when required by local building codes.
3. Order the required solar booster tank separately to complete the system order.

Visit www.statewaterheaters.com for more information including; Specification Sheets, Solar Sizing Guide, Online Rebate Locator, Installation Videos and Instruction Manuals.

DELUXE VS STANDARD - INCLUDED SYSTEM COMPONENTS

System Component Description	Standard	Deluxe
Solar Collector(s)	X	X
Integrated Solar Pump Station With Advanced Programmable Digital LCD Controller	X	X
Solar Loop Expansion Tank (Includes Bracket/Stainless Steel Flex Pipe)	X	X
Solar Loop Pressure Relief Valve	X	X
Thermostatic Mixing Valve	X	X
Propylene Glycol (DOWFROST™) 5-Gallons	X	X
Solar Loop Air Vent	X	X
Temperature Sensors (2) - Tank & Collector Outlet	X	X
Collector Spanner Mounting Hardware Kit (Stainless Steel/Aluminum)	X	X
Roof Flashing for solar loop piping supply line (1 - copper)		X
Roof Flashing for solar loop piping return line and sensor wire (1 - copper)		X
Roof Flashing Kit (Shingle Roof Mounting Kit) - 4 Per/Collector (iodized aluminum)		X
Temperature Sensor Control Wire 75' Roll		X
Collector Copper Sweat Fittings Kit		X
Flexible Pipe Insulation (UV Resistant/300°F) 6' x 1/2" tube (1)		X
Flexible Pipe Insulation (UV Resistant/300°F) 6' x 1" tube (1)		X
Tape, Stretch & Seal		X
Roof & Flashing Sealant		X

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DELUXE SOLAR SYSTEM PACKAGES (PRICES DO NOT INCLUDE SOLAR TANKS)

Model Number	Hi Cube Trailer Load Factor	Number of Collectors	Collector Size (ft)	Heat Exchanger Type	Solar Booster Tank Ordered Separately	Solar Energy Factor / ENERGY STAR® Qualified		Approx. Shipping Weight (lbs)	List Price
						80-Gallon Tank	120-Gallon Tank		
SSX01-ACI-501	12.50	1	4' x 10'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	2.2 / Yes	1.9 / Yes	564	\$ 4,792
SSX02-ACI-202	7.14	2	3-1/2' x 7'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	3.0 / Yes	2.3 / Yes	542	5,018
SSX02-ACI-402	8.33	2	4' x 8'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	5.3 / Yes	3.3 / Yes	586	5,549
SSX03-ACI-203	7.14	3	3-1/2' x 7'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	10.1 / Yes	4.9 / Yes	635	7,194
SSX01-ACE-501	12.50	1	4' x 10'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	1.8 / Yes	1.7 / No	590	5,402
SSX02-ACE-202	7.14	2	3-1/2' x 7'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	2.2 / Yes	2.1 / Yes	560	6,136
SSX02-ACE-402	8.33	2	4' x 8'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	3.0 / Yes	2.8 / Yes	614	6,682
SSX03-ACE-203	7.14	3	3-1/2' x 7'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	4.3 / Yes	3.5 / Yes	661	7,627

STANDARD SOLAR SYSTEM PACKAGES (PRICES DO NOT INCLUDE SOLAR TANKS)

Model Number	Hi Cube Trailer Load Factor	Number of Collectors	Collector Size (ft)	Heat Exchanger Type	Solar Booster Tank Ordered Separately	Solar Energy Factor / ENERGY STAR® Qualified		Approx. Shipping Weight (lbs)	List Price
						80-Gallon Tank	120-Gallon Tank		
SSX01-ACI-501LC	12.50	1	4' x 10'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	2.2 / Yes	1.9 / Yes	556	\$ 4,185
SSX02-ACI-202LC	7.14	2	3-1/2' x 7'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	3.0 / Yes	2.3 / Yes	534	4,112
SSX02-ACI-402LC	8.33	2	4' x 8'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	5.3 / Yes	3.3 / Yes	578	4,939
SSX03-ACI-203LC	7.14	3	3-1/2' x 7'	Single Wall Internal Coil	SB6-80-SOTX or SB6-120-SOTX	10.1 / Yes	4.9 / Yes	627	6,085
SSX01-ACE-501LC	12.50	1	4' x 10'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	1.8 / Yes	1.7 / No	582	4,866
SSX02-ACE-202LC	7.14	2	3-1/2' x 7'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	2.2 / Yes	2.1 / Yes	560	5,642
SSX02-ACE-402LC	8.33	2	4' x 8'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	3.0 / Yes	2.8 / Yes	606	6,188
SSX03-ACE-203LC	7.14	3	3-1/2' x 7'	Double Wall External Plate	SBV-82-10TS or SBV-120-10TS	4.3 / Yes	3.5 / Yes	653	6,493

Deluxe and Standard Solar Package Systems:

- Prices do not include the required solar booster tank. Solar booster tanks are ordered separately.
- Model numbers including the "ACI" designation require a SB6-80-SOTX or SB6-120-SOTX indirect solar booster tank as determined from the Sizing Guide.
- Model numbers including the "ACE" designation require a SBV-82-10TS or SBV-120-10TS direct solar booster tank as determined from the Sizing Guide.
- These are closed loop systems that utilize a mixture of non-toxic propylene glycol and distilled water in the solar loop. Check local building codes for single wall or double wall heat exchanger requirements. Order models with the "ACE" designation if double wall heat exchangers are required.

Deluxe Solar System Packages:

- Deluxe packages include everything needed to complete the installation except for the piping and pipe insulation installed between the collectors, solar booster tank and the pump station. See the Deluxe vs Standard comparison table.

Standard Solar System Packages:

- Standard packages do not include all the components in the Deluxe packages. See the Deluxe vs Standard comparison table.
- Roof flashings are not included with Standard Solar System packages.
- Roof flashings for the solar collector mounting hardware should be installed with solar collectors on composite roof installations to maintain roof integrity and homeowner warranty. Supplemental Shingle Roof Mounting Kits are available for composite roof installations, part number 9910026000 and may be ordered separately, one kit per collector is required.
- Roof flashings for the solar loop supply and return piping and the temperature sensor wiring should be installed on all installations to maintain roof integrity and homeowner warranty. Roof flashings for the solar loop piping and sensor wire are available and may be ordered separately. See part numbers 9910049000 and 9910050000 in the Miscellaneous Items table on page 19.

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INDIRECT SOLAR BOOSTER TANKS

6-year tank/6-year limited warranty parts

- Single wall internal coil-type heat exchanger for the most efficient heat transfer from the solar collectors
- Suitable for closed loop active solar systems using non-toxic propylene glycol and distilled water mixture as the heat transfer fluid
- Side connections for coil-type heat exchanger (solar loop)
- Glasslined Tank
- Prewired for surface mount temperature sensor (sensor supplied separately)
- Low-Watt Density 240 Volt 4500 watt heating element
- Two Magnesium anode rods with stainless steel core
- Diffuser dip tube
- Tamper resistant brass drain valve
- 2 Inch thick Environmentally-Friendly Non-CFC foam insulation (R-16 Value)
- CSA certified and ASME rated T&P relief valve

Model Number	Hi Cube Trailer Load Factor	Gallon Capacity	Heat Exchanger Included Single Wall Internal Coil Type	Heating Elements (240 VAC Single Phase)	GPH Recovery @ 90°F Rise	Dimensions (Inches)	Approximate Shipping Weight (lbs.)	List Price
SB6-80-SOTX	1.33	76	Yes	1 upper - 4500W	21	63-1/4" x 24"	257	\$ 1,453
SB6-120-SOTX	1.59	108	Yes	1 upper - 4500W	21	63-1/4" x 28"	365	2,100

DIRECT SOLAR BOOSTER TANKS

6-year tank/6-year limited warranty parts

- Side and top solar loop connections for installation flexibility
- Suitable for open loop systems or closed loop systems using an external heat exchanger
- 4500 watt heating element - long lasting low-watt density design spreads wattage over larger surface area to prolong element life and maximize efficiency
- Pre-wired for surface mount temperature sensor (sensor supplied separately)
- Glasslined Steel Tank – glasslining protects against corrosion to maximize tank life
- 2 inch thick “Environmentally-Friendly” Non-CFC Foam insulation (R16 Value) reduces standby heat loss
- Aluminum anode rod with stainless steel core protects tank against corrosion
- CSA certified and ASME rated T&P relief valve
- Durable tamper-resistant brass drain valve



Model Number	Hi Cube Trailer Load Factor	Gallon Capacity	Heat Exchanger Included	Heating Elements (240 VAC Single Phase)	GPH Recovery @ 90°F Rise	Dimensions (Inches)	Approximate Shipping Weight (lbs.)	List Price
SBV-65-1OTS	1.33	65	No	1 upper - 4500W	21	59-1/4 x 20-1/2	152	\$ 782

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DIRECT SOLAR BOOSTER TANKS

6-year tank/6-year limited warranty parts

- Side and top solar loop connections for installation flexibility
- Suitable for open loop systems or closed loop active solar systems using an external heat exchanger
- Glasslined Tank
- Low-watt density 240 Volt 4500 watt heating element
- Prewired for surface mount temperature sensor (sensor supplied separately)
- Aluminum anode rod with stainless steel core
- Diffuser dip tube
- Tamper resistant brass drain valve
- 2 Inch thick Environmentally-Friendly Non-CFC foam insulation (R-16 Value)
- CSA certified and ASME rated T&P relief valve



Model Number	Hi Cube Trailer Load Factor	Gallon Capacity	Heat Exchanger Included	Heating Elements (240 VAC Single Phase)	GPH Recovery @ 90°F Rise	Dimensions (Inches)	Approximate Shipping Weight (lbs.)	Distributor Price
SBV-82-1OTS	1.33	80	No	1 upper - 4500W	21	63-1/4" x 24"	204	\$ 823
SBV-120-1OTS	1.59	119	No	1 upper - 4500W	21	63-1/4" x 28"	311	1,034

Note: Solar booster tanks are not included with Deluxe and Standard Solar System packages and must be ordered separately.

SOLAR THERMAL COLLECTORS
10-year collector limited warranty

- Proudly partnered with Chromagen™ to provide solar thermal collectors
- All collectors are SRCC Certified OG-100
- Collectors can be ordered in bulk or individually
- Glazing - single pane 1/8 inch low-iron patterned and tempered glass provides excellent strength, anti-glare surface with 91% solar transmittance
- Type 6063 T5 all black anodized aluminum collector casing
- Interlocking collector casing construction - does not require fasteners that loosen over time allowing moisture infiltration
- Type M copper tube brazed construction - 5/8 inch risers and 1-1/8 inch manifolds
- Parallel tube configuration ensures optimal flow and low pressure drop. Collectors may be installed in portrait or landscape orientation
- Absorber plate – 1050 aluminum sheet with spectrally selective black coating provides more than 90% solar absorption and less than 40% IR emission for high performance even in cooler climates
- Riser tubes laser welded to absorber plate - excellent heat transfer and long life
- Backsheet is durable black Polypropylene - resists damage and corrosion
- Three layers of insulation retain heat, prevent out-gassing and provide a cumulative thermal resistance value of R-8



Proudly partnered with Chromagen™ to offer Solar Thermal Collectors



SOLAR COLLECTORS (Bulk)

Part Number	Hi Cube Trailer Load Factor	Collector Size (ft)	Model Number	Absorber Plate	Riser Tube Diameter (In)	Thermal Performance	Collectors Per Pallet	Approximate Shipping Weight (lbs.)	List Price
9910007000	3.57	3-1/2' x 7'	CR-110-AP	Aluminum w/Black Paint	5/8"	25,000 Btu/day	11	1003	\$ 10,041
9910008000	5.56	4' x 8'	CR-130-AP	Aluminum w/Black Paint	5/8"	32,000 Btu/day	7	864	7,975
9910009000	6.67	4' x 10'	CR-140-AP	Aluminum w/Black Paint	5/8"	40,000 Btu/day	7	1087	9,518

SOLAR COLLECTORS (Individual)

Part Number	Hi Cube Trailer Load Factor	Collector Size (ft)	Model Number	Absorber Plate	Maximum Collectors Per Package	Approximate Shipping Weight (lbs.)			List Price
						1 Collector Pkg.	2 Collector Pkg.	3 Collector Pkg.	
9910010000 (1-Collector)	6.67	3-1/2' x 7'	CR-110-AP	Aluminum w/Black Selective Coating	1-3	200			\$ 1,428
9910011000 (2-Collector)	6.67						284		2,561
9910056000 (3-Collector)	6.67							369	3,694
9910012000 (1-Collector)	8.33	4' x 8'	CR-130-AP	Aluminum w/Black Selective Coating	1-2	220			1,769
9910013000 (2-Collector)	8.33						340		3,285
9910014000 (1-Collector)	10.00	4' x 10'	CR-140-AP	Aluminum w/Black Selective Coating	1-2	275			1,968
9910015000 (2-Collector)	10.00						425		3,665

Notes:

1. Solar collectors are included with all Deluxe and Standard Solar System packages.
2. Solar collectors ordered in bulk or individually do not include Fastener Kits that are required for installation. These are ordered separately; see part number 9910052000 in the Miscellaneous Items table on page 19.
3. Thermal performance ratings are according to SRCC OG-100 certification data - Category C, Clear Day conditions.
4. Distributor Rebate Program does not apply to this category.

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INTEGRATED SOLAR PUMP STATIONS

2-year limited warranty

- Integrated solar pump stations - Standard and Double Wall pump stations available
- Programmable electronic solar system control with advanced diagnostics and LCD display
- Multiple speed pumps
- Insulated and pre-plumbed all-in-one wall mounted assembly
- Saves space, time and money – provides a clean professional looking installation
- Includes solar loop and solar tank temperature sensors
- Flow meter, temperature and pressure gauges
- Solar loop pressure relief valve
- Combination isolation/check valves, fill, drain, flow control valves and air stripper
- 120 VAC single phase power - with standard appliance cord/plug



Standard Pump Station
9910016000

Double Wall Pump Station
9910042000

Part Number	Circulating Pump(s) Model(s)	Integrated Heat Exchanger	Height (inches)	Width (inches)	Approximate Shipping Weight (lbs.)	List Price
9910016000	One: Primary Solar Loop - Wilo Star S16-U	None	20-1/4"	12-13/64"	24	\$ 998
9910042000	Two: Primary Solar Loop - Wilo Star S21-U, Secondary Potable Loop - Wilo Star S21-BU	Stainless Steel Flat Plate-Type -Double Wall	25-13/32"	13-1/2"	51	3,149

Notes:

1. Integrated Solar Pump Stations are included with all Deluxe and Standard Solar System packages.
2. Distributor Rebate Program does not apply to this category.

SOLAR ACCESSORIES

SOLAR SITE EVALUATION TOOL - SOLAR PATHFINDER™

Part Number	Description	Approximate Shipping Weight (lbs.)	List Price
9910017000	Solar Pathfinder™ with Tripod	5	\$ 1,085
9910018000	Solar Pathfinder™ with Tripod and Solar Pathfinder™ Assistant Software	5	1,609

Notes:

1. The Solar Pathfinder™ site analysis tool is used to measure shading levels throughout the year. By combining the site-specific shading data collected using the Solar Pathfinder™ with published global weather data; an accurate solar site analysis can be made.
2. The Solar Pathfinder™ Assistant software provides a detailed report showing the percentage of solar contribution towards the total hot water demand. States, the federal government and utility companies that offer tax credits, rebates and incentives often require a detailed report validating the solar contribution of the installed equipment.
3. Distributor Rebate Program does not apply to this category.

COMPLETE ROOF MOUNTING KITS

Part Number	Number of Collectors	Roof Type	Description	Approximate Shipping Weight (lbs.)	List Price
9910019000	1	Shingle	All Inclusive Mounting Hardware Kit	4.5	\$ 182
9910020000	2	Shingle	All Inclusive Mounting Hardware Kit	9.0	243
9910021000	3	Shingle	All Inclusive Mounting Hardware Kit	13.5	343
9910022000	1	Tile	All Inclusive Mounting Hardware Kit	16.0	498
9910023000	1	Flat	All Inclusive Mounting Hardware Kit	11.0	449
9910024000	1	Split Seam Metal	All Inclusive Mounting Hardware Kit	4.0	189
9910025000	1	Corrugated Metal	All Inclusive Mounting Hardware Kit	4.0	256

Notes:

1. Complete Roof Mounting Kits are all inclusive and come with everything needed to mount collectors to the roof type specified including: collector mounting brackets, mounting clips, channel nuts, spanner mounting hardware and the flashings. These kits should be ordered when solar collectors are ordered separately.
2. These kits do not include roof flashings for the solar loop supply and return lines; see part numbers 9910049000 and 9910050000 in the Miscellaneous Items table on page 19.
3. Distributor Rebate Program does not apply to this category.



SUPPLEMENTAL ROOF MOUNTING KITS

Part Number	Number of Collectors	Roof Type	Description	Approximate Shipping Weight (lbs.)	List Price
9910026000	1	Shingle	Standard Solar System Packages	2	\$ 170
9910027000	1	Tile	1 Collector Package System	12	457
9910028000	2	Tile	2 Collector Package System	23	866
9910029000	3	Tile	3 Collector Package System	34	1,266
9910030000	1	Flat	1 Collector Package System	12	386
9910031000	2	Flat	2 Collector Package System	24	732
9910032000	3	Flat	3 Collector Package System	36	1,077
9910033000	1	Split Seam Metal	1 Collector Package System	2	147
9910034000	2	Split Seam Metal	2 Collector Package System	4	269
9910035000	3	Split Seam Metal	3 Collector Package System	6	390
9910036000	1	Corrugated Metal	1 Collector Package System	2	223
9910037000	2	Corrugated Metal	2 Collector Package System	4	314
9910038000	3	Corrugated Metal	3 Collector Package System	6	452

Notes:

- The Shingle type Supplemental Roof Mounting Kit is to be used with Standard Solar System Packages when they are installed on composite/shingle roofs, one kit is required for each solar collector in the system package.
- The remaining Supplemental Roof Mounting Kits are used with Standard and Deluxe Solar System Packages when installed on the roof type specified. These components are in addition to the components supplied with solar system packages.
- Distributor Rebate Program does not apply to this category.

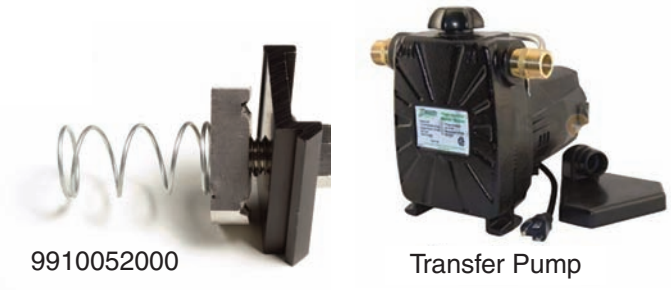
OPTIONAL TILT MOUNTING KITS

Part Number	Number of Collectors	Tilt Angle	For Use With	Approximate Shipping Weight (lbs.)	List Price
CR-110-AP Collectors					
9910039000	1	15°	1-Collector 15° Tilt Mount Kit CR-110-AP Collector	16.4	\$ 453
9910043000	1	30°	1-Collector 30° Tilt Mount Kit CR-110-AP Collector	18.4	497
9910046000	1	45°	1-Collector 45° Tilt Mount Kit CR-110-AP Collector	20.4	537
9910058000	1	60°	1-Collector 60° Tilt Mount Kit CR-110-AP Collector	46.5	582
9910065000	1	75°	1-Collector 75° Tilt Mount Kit CR-110-AP Collector	51.2	584
9910040000	2	15°	2-Collector 15° Tilt Mount Kit CR-110-AP Collectors	32.8	729
9910044000	2	30°	2-Collector 30° Tilt Mount Kit CR-110-AP Collectors	36.8	819
9910047000	2	45°	2-Collector 45° Tilt Mount Kit CR-110-AP Collectors	40.8	898
9910061000	2	60°	2-Collector 60° Tilt Mount Kit CR-110-AP Collectors	78.8	994
9910075000	2	75°	2-Collector 75° Tilt Mount Kit CR-110-AP Collectors	88.3	996
9910041000	3	15°	3-Collector 15° Tilt Mount Kit CR-110-AP Collectors	49.2	1,057
9910045000	3	30°	3-Collector 30° Tilt Mount Kit CR-110-AP Collectors	55.2	1,192
9910048000	3	45°	3-Collector 45° Tilt Mount Kit CR-110-AP Collectors	61.2	1,310
9910062000	3	60°	3-Collector 60° Tilt Mount Kit CR-110-AP Collectors	110.4	1,458
9910063000	3	75°	3-Collector 75° Tilt Mount Kit CR-110-AP Collectors	124.8	1,461
CR-130-AP Collectors					
9910059000	1	15°	1-Collector 15° Tilt Mount Kit CR-130-AP Collector	19.2	\$ 475
9910066000	1	30°	1-Collector 30° Tilt Mount Kit CR-130-AP Collector	26.7	520
9910067000	1	45°	1-Collector 45° Tilt Mount Kit CR-130-AP Collector	29.8	585
9910068000	1	60°	1-Collector 60° Tilt Mount Kit CR-130-AP Collector	51.2	611
9910069000	1	75°	1-Collector 75° Tilt Mount Kit CR-130-AP Collector	55.4	642
CR-140-AP Collectors					
9910070000	1	15°	1-Collector 15° Tilt Mount Kit CR-140-AP Collector	24.8	\$ 524
9910071000	1	30°	1-Collector 30° Tilt Mount Kit CR-140-AP Collector	28.5	589
9910072000	1	45°	1-Collector 45° Tilt Mount Kit CR-140-AP Collector	54.8	639
9910073000	1	60°	1-Collector 60° Tilt Mount Kit CR-140-AP Collector	62.5	679
9910074000	1	75°	1-Collector 75° Tilt Mount Kit CR-140-AP Collector	68.1	733

Notes:

- Tilt Kits are installed to optimize the solar collector's vertical orientation to the sun.
- Distributor Rebate Program does not apply to this category.

MISCELLANEOUS ITEMS



Part Number	Description	Approximate Shipping Weight (lbs.)	List Price
9910049000	Roof Flashing for solar loop piping supply line (1 - copper)	1.0	\$ 86
9910050000	Roof Flashing for solar loop piping return line and sensor wire (1 - copper)	1.0	103
9910051000	Temperature Sensor Control Wire 75' Roll	3.5	176
9910052000	Solar Collector Fastener Kit (4 each: mounting clips, bolts, channel nuts, springs)	1.0	92
9910053000	Contractor Installation Kit	28	835
9910054000	Solar Loop Expansion Tank (2-gallon)	7	140
9910055000	Propylene Glycol 5 gallons	47	214

Notes:

1. Roof flashings for solar loop piping and sensor wiring should be installed on all installations when the roof is penetrated for the solar loop piping. One flashing for the solar loop supply line (PN 9910049000) and one for the solar loop return line and sensor wire (PN 9910050000) are used for each solar hot water installation.
2. The Temperature Sensor Control Wire is not included with Standard Solar System Packages and should be ordered separately when these packages are used. This wire is jacketed and properly rated for outdoor use with the system temperature sensor installed at the outlet of the solar collectors. The sensor wire is included with Deluxe Solar System Packages.
3. Solar Collector Fastener Kits are required for proper installation of the solar collectors. One kit should be ordered for each solar collector ordered separately.
4. Contractor Installation Kit includes transfer pump used to charge the solar loop, glycol mixing container, hoses, and pressure test air fill valve. Transfer pump, container, hoses, and pressure test air fill valve can be used for multiple solar installations
5. Distributor Rebate Program does not apply to this category.

Solar Extended Warranty

RESIDENTIAL SOLAR EXTENDED WARRANTY

Extended Warranty Available for Residential Solar Tanks and Pump Stations!

4 Year Extended Solar Tank Warranty

These kits extend the warranty period for the SBV/SB6 style tanks from 6 yrs to 10 yrs
Qualifying Models:

SBV-65-1OTS (Direct Solar Booster Tank)	SB6-80-SOTX (Indirect Solar Booster Tank)
SBV-82-1OTS (Direct Solar Booster Tank)	SB6-120-SOTX (Indirect Solar Booster Tank)
SBV-120-1OTS (Direct Solar Booster Tank)	

3 Year Extended Solar Pump Station Warranty

These kits extend the warranty period for the residential pump stations from 2 yrs to 5 yrs
Qualifying Models:

SWHX (Single Pump)	DWHX (Two Pump)
--------------------	-----------------

Part Number	Description	Approximate Shipping Weight (lbs.)	Price
9008132005	State Solar Tank 4 year Extended Warranty (eligible models: SBV-65-1OTS, SBV-82-1OTS, SBV-120-1OTS, SB6-80-SOTX, SB6-120-SOTX) (This kit contains instructions, an extension sticker and a certificate request form.)	2	\$ 268
9008133005	State Pump Station (SWHX Single Pump) 3 year Extended Warranty	2	110
9008133005	State Pump Station (DWHX Two Pump) 3 year Extended Warranty	2	110

Warranties apply to Residential Installations only.

PREMIER® HYBRID



HYBRID GAS

6-year limited heat exchanger / 6-year tank and parts warranty

- Patented Hybrid Technology Combines Conventional and Tankless Technologies
- User-friendly LCD Display with Temperature Control and Diagnostics
- 90% Thermal Efficiency
- Power Vent Design
- Condensing Design Allows for PVC, CPVC or ABS Pipe for Venting (solid core only)

Model Number	Hi Cube Trailer Load Factor	BTU Input	Recovery 90°F Rise Gallons	Vent Connections (Inches)	Height (Inches)	Width (Inches)	Depth (Inches)	Approximate Shipping Weight (lbs)	Net Distributor Price
GPH-90N	0.75	100,000	121	2 or 3	47 ³ / ₈	23 ³ / ₄	32	198	\$ 1,499

Premier® Hybrid Gas Water Heaters **DO NOT** qualify for the unloading allowance.
 Premier® Hybrid Gas Water Heaters **DO** qualify for **total** truckload volume.

HIGH ALTITUDE ACCESSORY KITS

Altitude ft. (m)	Part Number
3,501 - 6,500 (1,067 - 1,981)	9007439005
6,501 - 8,500 (1,981 - 2,591)	9007440005
8,501 - 11,000 (2,591 - 3,352)	9007441005

Contact the Service Parts Department for more information

PREMIER®

PREMIER® POWER DIRECT VENT HIGH EFFICIENCY

6-Year Tank / 6-Year Parts Warranty

- 96% Thermal Efficiency
- Electronic Control Provides Precise Temperature Control
 - iCOMM™ Compatible and Can be Monitored From Remote Locations. Call 1.888.WATER02 for More Information.
- Schedule 40 Vent Pipe Options
- Top-Fired Low NOx Burner
- Side Taps Included for Combined Appliance Applications
- PEXAN™ Polymer Dip Tube
- Brass Drain Valve



Model Number	Gallon Capacity	Thermal Efficiency	Input BTU/HR	90°F Rise Recovery G.P.H.	Vent Connection (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GP6 50 YTPDT	50	96%	100,000	129	2	22	66¾	1.20	255	\$ 2,183

Available in Natural Gas and Propane (LP)
 Optional concentric vent kit 9006328005
 Optional Condensate Neutralization Kits Available - see page 36 for more information.

PREMIER® POWER VENT HIGH EFFICIENCY

6-Year Tank / 6-Year Parts Warranty

- 90% Thermal Efficiency
- Schedule 40 Vent Pipe Options
- Side Taps Included for Combined Appliance Applications
- Intelli-Vent™ Gas Control Valve
- PEXAN™ Polymer Dip Tube
- Brass Drain Valve



Model Number	Gallon Capacity	Thermal Efficiency	Input BTU/HR	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GP6 50 YTVIT	50	90%	76,000	92	2	22	70½	1.20	210	\$ 1,759

Available in Natural Gas only
 Intelli-Vent™ is a registered trademark of Emerson Electric Company
 Optional Condensate Neutralization Kits Available - see page 36 for more information.

PREMIER® HIGH EFFICIENCY

6-Year Tank / 6-Year Parts Warranty

- .70 Energy Factor (EF)
- Powered Anode
- LCD User Interface
- Electronic Ignition
- FVIR Compliant Design
- ENERGY STAR® qualified



Model Number	Series	Hi Cube Trailer Load Factor	Gallon Capacity	Energy Factor	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	BTU Input/HR	Height (Inches)	Diameter (Inches)	Approximate Shipping Weight	Net Distributor Price
GP6 40 YPCT	102	1.14	40	.70	43	3 or 4	40,000	61¾	20	157	\$ 755
GP6 50 YPCT	100	0.81	50	.70	43	3 or 4	40,000	60¾	22	171	787

Recovery capacity based on actual performance tests
 Water Connections - 3/4" on all models
 Not available in Propane (LP)
 All models are certified from sea level to 10,100 ft. elevations

HIGH EFFICIENCY

HIGH EFFICIENCY 6-Year Tank / 6-Year Parts Warranty

- All Models are ENERGY STAR® Qualified
- Automatic Flue Damper
- Advanced Diagnostics
- Electronic Ignition
- PEXAN™ Diffuser Dip Tube
- Green Choice® "Eco-Friendly" Gas Burner Reduces Nox Emissions
- 10 ft. Power Cord Supplied



Model Number	Series	Loading Percent 53'	First Hour Rating Gallons	Energy Factor (EF)	Gallon Capacity	BTU Input Per Hour Natural	Recovery 90°F Rise Gallons Per Hour	Foam Thickness (Inches)	Dimensions in Inches			Draft Hood Outlet	Approx. Shipping Weight (lbs)	Net Distributor Price
									Height	Height to top of tank	Diameter			
TALL MODELS														
GS6 40 YBFT	100	1.14	67	.67	40	40,000	42	2	64¼	58¼	20	3 or 4	152	\$ 593
GS6 50 YBFT	100	1.19	81	.67	50	40,000	42	2	63½	57¼	22	3 or 4	167	625
SHORT MODELS														
GS6 40 YBFS	100	.63	67	.67	40	40,000	42	2	54	47¾	22	3 or 4	149	\$ 593

Recovery based on actual performance tests
 Water Connections - 3/4" on all models
 External heat trap nipples are factory-installed on all models

When ordering top-mounted T&P Valve, add "G" to model number (GS6 40 YBFT G)
 All models are certified from sea level to 10,100 ft. elevations
 GS6 Tall and Short Models are available in Propane (LP) Gas

PREMIER®

10-Year Tank / 10-Year Parts Warranty

- Blue Diamond® Glass Coating
- Highest Energy Factors
- External Silencer™ Heat Trap Nipples
- Magnesium Anode
- Turbo-Coil Self Cleaning Inlet Tube
- Brass Drain Valve



Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS											
GPX 40 YXRT	300	40	.60	40,000	41	3 or 4*	20	61¾	.60	166	\$ 1,031
GPX 50 YXRT	300	50	.76	40,000	41	3 or 4	22	61	.76	195	1,080

When ordering propane change Y to H (GPX 40 HXRT) and add \$40.00.
 All FVIR compliant models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number (GPX 50 YXRT G).
 Provision for 3" or 4" Vent Pipe. 300 Series models are certified from sea level to 10,100 ft. elevations.

SELECT®

SELECT® HIGH EFFICIENCY 6-Year Tank / 6-Year Parts Warranty

- Brass Drain Valve
- External Silencer™ Heat Trap Nipples
- Aluminum Anode
- Diffuser Inlet Tube

Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS											
GS6 30 YOCT	300	30	.62	35,500	36	3 or 4	18	61½	.47	123	\$ 820
GS6 40 YOCT	300	40	.62	40,000	41	3 or 4	20	61¾	.60	150	852
GS6 50 YOCT	300	50	.62	40,000	41	3 or 4	22	60¾	.63	165	899

Provision for 3" or 4" Vent Pipe.
 For 10-year tank warranty add \$90. When ordering change 6 to X in the model number (GSX 30 YOCT).
 When ordering propane change "Y" to "H" (GS6 30 HOCT) and add \$40.00.
 All FVIR compliant models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number (GS6 30 YOCT G).
 FVIR 300 Series models are certified from sea level to 10,100 ft. elevations.



SELECT®

SELECT® HIGH OUTPUT

6-Year Tank / 6-Year Parts Warranty

- Inputs 50,000 BTU and Higher
- Brass Drain Valve
- Aluminum Anode
- External Silencer™ Heat Trap Nipples (except 74 and 98-gallon models)
- Diffuser Inlet Tube



Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GS6 40 YRRT	300	40	.59	50,000	51	4	20	61¾	0.60	140	\$ 809
GS6 50 YRRT	300	50	.58	50,000	51	4	20	60⅞	0.60	172	856
GS6 50 YRRT 5	100	50	.58	65,000	66	4	22	63⅞	1.00	195	899
GS6 65 YRRT	100	65	.57	65,000	67	4	24	65	1.00	215	931
GS6 75 XRRS*	300	74	N/A	75,100	81	4	26½	61	1.25	275	1,178
GS6 100 XRRT*	300	98	N/A	75,100	81	4	27¾	68½	1.25	350	1,865

*Not FVIR Compliant and models are not available with Top T&P Relief Valve.
 10-year tank warranty available +\$90. When ordering change 6 to X in the model number (GSX 50 YRRT).
 When ordering propane change "X" to "C" in the model number (GS6 75 CRRT) or the "Y" to "H" (GS6 40 HRRT) and add \$40.00.
 For non-FVIR models, adding suffix "D" (GS6 75 XRRS D) denotes high altitude. FVIR Series 300 models are certified from sea level to 10,100 ft. elevations. All other series models are certified from sea level to 7,700 ft. elevations.
 All FVIR Compliant models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number (GS6 50 YRRTG).

SELECT®

6-Year Tank / 6-Year Parts Warranty

- Brass Drain Valve
- Aluminum Anode
- Diffuser Inlet Tube
- Silencer™ Heat Trap Nipples



Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS											
GS6 30 YORT	300	30	.61	35,500	36	3 or 4	16	61½	.39	119	\$ 740
GS6 40 YBRT	300	40	.60	40,000	41	3 or 4	18	61¾	.48	138	788
GS6 50 YBRT	300	50	.58	40,000	41	3 or 4	20	60¾	.60	153	840
SHORT MODELS											
GS6 30 YORS	300	30	.61	35,500	36	3 or 4	18	50	.43	122	\$ 740
GS6 40 YBRS	300	40	.59	40,000	41	3 or 4	20	51½	.54	135	788
GS6 50 YBRS	100	50	.58	40,000	41	3 or 4	24	53¼	.76	168	840

Provision for 3" or 4" Vent Pipe.
 10-year tank warranty available +\$90. When ordering change "6" to "X" in the model number (GSX 30 YBRT).
 When ordering propane change "Y" to "H" in the model number (GS6 30 HBRT) and add \$40.00.
 All FVIR Compliant models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number (GS6 30 YBRT G).
 FVIR Series 300 models are certified from sea level to 10,100 ft. elevations. All other series models are certified from sea level to 7,700 ft. elevations.

SELECT®



ULTRA-LOW NOx

6-Year Tank / 6-Year Parts Warranty

- “Environmentally-Friendly”
- FVIR Compliant Design
- Complies with SCAQMD Rule 1121 and other Air Quality Management Districts with Similar Requirements for Ultra-low NOx Emissions
- Ultra-Low NOx Burner Systems
- Self-Powered Electronic Gas Valve
- Intelligent Control Logic
- Silencer™ Heat Trap Nipples Installed
- Diffuser Inlet Tube



Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent* Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GS6 30 UORT	200	30	.61	30,000	31	3 or 4	16	59½	.36	105	\$ 933
GS6 40 UBRT	200	40	.59	40,000	41	3 or 4	18	62½	.39	129	963
GS6 50 UBRT	200	50	.58	40,000	41	3 or 4	20	60½	.48	151	1,011
GS6 40 UOCT	200	40	.62	40,000	41	3 or 4	20	61½	.48	138	1,044
GS6 50 UOCT	200	50	.62	40,000	41	3 or 4	22	60½	.60	160	1,093

Natural gas only.
 *Provision for 3" or 4" Vent Pipe.
 For 10-year tank warranty add \$60. When ordering change 6 to X in the model number (GSX 30 UOCT).
 When ordering propane change "Y" to "H" (GS6 30 HOCT) and add \$40.00. Adding suffix "D" (GS6 30 UOCT D) denotes high altitude.
 All FVIR Compliant models may be ordered from the factory with top T&P valve as an option by adding suffix "G" to the model number (GS6 30 UOCT G).

ENERGY-SAVER MANUFACTURED HOUSING

6-Year Tank / 2-Year Parts Warranty

- Meets HUD Requirements for Manufactured Housing Installations, Equipped with Convertible Gas Control for Natural or Propane Gas
- Aluminum Anode Rod
- External Heat Trap Nipples, Pipe Insulation and T&P Insulation
- Piezo Ignitor Standard on Direct Vent Models

Model Number	Series	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approx. Shipping Weight	Net Distributor Price
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MODELS WITH CONVERTIBLE CONTROLS

GS6 30 YOMT	300	30	.63	35,500/32,000	36	3 or 4	18	61½	.47	125	\$ 787
GS6 40 YOMT	300	40	.59	35,500/35,500	41	3 or 4	20	63¾	.60	150	823

DIRECT VENT MODELS - Includes Air Intake (The vent kits below must be used to install the water heater)

PR6 30 NHDST 2	102	30	.43	30,000/30,000	31	3½	18	56	.39	115	\$ 833
PR6 40 NHDST 2	102	40	.60	32,000/32,000	33	3½	20	56½	.60	134	895
PR6 50 NHDST 2	102	50	.59	38,000/38,000	39	4½	22	56½	.47	170	984

DIRECT VENT SYSTEM ROOF JACK KITS - (For ordering information call the Service Parts Department at 800-821-2017)

Part Number	Description	Approximate Shipping Weight	Net Distributor Price
9002964005	12" (Non-Adjustable)	10	\$ 85
9002965005	32" (12" - 32" Adjustable)	13	119
9002966005	60" (32" - 60" Adjustable)	17	145
9002967005	95" (60" - 95" Adjustable)	22	210

*Provision for 3" or 4" Vent Pipe. Above manufactured housing prices include manufactured housing mounting brackets. Above manufactured housing heaters have side cold water inlet and top water outlet (exception GS6 50 YOMT. This model is top plumbed hot and cold). Contact Customer Service in Ashland City, Tennessee for models added subsequent to printing of price book.

**Shipped as natural gas only. Convertible to Propane (LP).

Roof jack kits must be ordered separately with 30, 40 and 50-gallon Direct Vent models and must be in accordance with instructions furnished with the heater. No other roof jack kits are approved for installation with this heater.



SELECT®

**POWER VENT ELECTRONIC IGNITION
SIDEWALL/ROOF VENT**

6-Year Tank / 6-Year Parts Warranty

- Energy Saving Hot Surface Ignition System
- Schedule 40 Vent Pipe Options
- Electronic Ignition, No Standing Pilot
- PEXAN™ Polymer Dip Tubes
- External Silencer™ Heat Trap Nipples
- 110/120 Volt Electrical Systems
- No Chimney Required - Vented Through Outside Wall or Roof
- Quiet, Modular Blower
- FVIR Compliant Design
- Thick Foam Insulation Reduces Fuel Costs



Model Number	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GS6 40 YBVIT	40	.65	40,000/40,000	44	2	18½	63	1.09	157	\$ 1,151
GS6 50 YBVIT	50	.65	40,000/40,000	44	2	20	65	1.39	177	1,202
HIGH EFFICIENCY MODELS										
GS6 40 YBVIT 2	40	.67	40,000/40,000	44	2	20½	63	1.00	166	\$ 1,215
GS6 50 YBVIT 2	50	.67	40,000/40,000	44	2	22	65	1.00	186	1,295
HIGH OUTPUT MODELS										
GS6 40 YRVIT	40	.65	50,000/50,000	53	2	20½	63	1.00	166	\$ 1,207
GS6 50 YRVIT	50	.65	50,000/50,000	53	2	22	65	1.00	186	1,286
GS6 50 YRVIT 5	50	.65	62,500/55,000	65	2	22	65	1.00	186	1,353
GS6 75 YRVIT	74	N/A	80,000/80,000	86	3	25½	66	1.25	245	1,619

When ordering propane, change "Y" to "H" in model number (GS6 75 HRVIT) and add \$40.00. All models are certified from sea level to 7,700 ft. elevations. High Efficiency models are ENERGY STAR® qualified.

POWER DIRECT VENT - SIDEWALL/ROOF VENT

6-Year Tank / 6-Year Parts Warranty

- High Output- State SELECT® Models
- Schedule 40 Vent Pipe Options
- Electronic - Hot Surface Ignition
- 110/120 Volt Electrical System, with 6-foot Cord, Standard 3-Prong Male Connector
- PEXAN™ Polymer Dip Tubes
- Contained Combustion – All air for combustion is drawn in from outside
- External Silencer™ Heat Trap Nipples
- Power Direct Vent Design Vents up to 45 Feet Horizontally or Vertically with (1 elbow)
- No Chimney Required - Vented Through Outside Wall or Roof
- Super Quiet Modular Blower
- FVIR Compliant Design
- Thick Foam Insulation Reduces Fuel Costs



Model Number	Gallon Capacity	Energy Factor	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GS6 40 YBPDT	40	.60	40,000/36,000	41/37	3	21	57	.50	224	\$ 1,216
GS6 50 YBPDT	50	.59	40,000/38,000	41/39	3	21	66	1.00	232	1,305
GS6 50 YRPDT 5	50	.58	65,000/60,000	64/59	3	21	69½	1.00	232	1,510
GS6 75 YRPDT	75	.58	70,000/65,000	72/67	3	26¼	71½	1.25	300	1,933

When ordering propane, change "Y" to "H" in model number (GS6 50 HBPDT) and add \$40.00. All models are certified to 7700 feet elevations.

SELECT[®]



DIRECT VENT SIDEWALL VENT

6-Year Tank / 6-Year Parts Warranty

- FVIR Compliant Design
- PEXAN™ Polymer Dip Tube
- CSA Certified and ASME Rated T&P Relief Valve
- Heat Trap Nipples
- Dual-channel Venting System Permits Horizontal Venting up to 80 Inches, With No Electrical Power Required (No Chimney Required)



Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Connections (Inches)	Diameter* (Inches)	Rec. Height to Vent Opening (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GS6 40 YBDS	40	.62	38,000	41	3-6	22-1/4	68	1.00	167	\$ 977
GS6 50 YBDS	50	.60	42,000	45	3-6	22-1/4	76	1.00	185	1,028
GS6 50 YRDS	50	.59	50,000	55	3-6	22-1/4	76	1.00	187	1,143
GS6 75 YRDS	75	.57	55,000	60	4-7	26-1/4	76	1.25	310	1,540

When ordering propane, change "Y" to "H" in model number (GS6 50 HBDS) and add \$40.00.
 All models certified from sea level to 7,700 ft. elevations.
 *Allow 25-1/4" for 40 and 50-gallon and 29-1/2" for 75-gallon front to back dimension for air intake at rear of heater.

ULTRA-LOW NOx GAS POWER VENT

6-Year Tank / 6-Year Parts Warranty

- Power Venting Made Simple - Thru-the-Wall or Thru-the-Roof
- Intelli-Vent™ Gas Control
- Quiet and Efficient Blower
- Combination Thermostat/ECO
- PEXAN™ Diffuser Dip Tube
- Durable, Ultra-Low NOx Burner
- FVIR Compliant
- ENERGY STAR® Qualified



Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Vent Diameter (Inches)	Diameter* (Inches)	Top of Vent (Inches)	Top of Heater (Inches)	To T&P (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS												
GS6 40 UBVIT	40	.68	42,000	42.6	2 or 3	20	66-7/8	58-5/8	51-1/2	1.23	170	\$ 1,386
GS6 50 UBVIT	50	.68	42,000	42.6	2 or 3	22	65-5/8	57-7/16	51	1.28	207	1,433

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.
 All dimensions shown in inches.
 Top inlet and outlet are on 8" centers.
 Operates on Natural Gas only.

Intelli-Vent™ is a registered trademark of Emerson Electric Company

PREMIER®

**PREMIER® SL HIGH EFFICIENCY
CONVENTIONAL VERTICAL VENT WATER HEATER**

10-Year Tank / 10-Year Parts Warranty

- Self-Cleaning
- PEXAN™ Polymer Dip Tube
- CSA Certified Energy Cutoff (ECO)
- Recirculating Loop Fittings Package
Part No. 9002604005 must be ordered separately



Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	Output BTU/HR Natural	Recovery Efficiency	Diameter* (Inches)	Height to Top of Blower Outlet	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GPX 40 YXRT L	40	0.63	40,000	30,400	76%	20	61-3/4	.60	150	\$ 1,041
GPX 50 YXRT L	50	0.62	40,000	30,400	76%	22	61	.63	165	1,090

Recoveries are based on natural gas BTU rate and are rounded to nearest gallon
 *Not FVIR Compliant
 Side ports for space heating are 3/4" NPT
 When ordering propane, change the "Y" to "H" in the model number (Example: GPX 50 HXRT L) and add \$40

SELECT®

SELECT® SL STANDARD VENT

6-Year Tank / 6-Year Parts Warranty

- FVIR Compliant Design
- PEXAN™ Polymer Dip Tube
- CSA Certified Energy Cutoff (ECO)
- Side-Mounted Taps Designed for Potable Recirculating Systems
- Green Choice® "Eco-Friendly" Gas Burner
- Piezo Ignitor for Easy Pilot Ignition
- Dual Magnesium Anode Rods for Extra Protection against Corrosion



Model Number	Series	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Recovery Efficiency	Diameter* (Inches)	Vent Connections (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS											
GS6 40 YBRT L	300	40	0.59	40,000	41	76%	18	3 or 4	0.48	138	\$ 798
GS6 40 YOCT L	300	40	0.62	40,000	41	76%	20	3 or 4	0.60	155	863
GS6 50 YOCT L	300	50	0.62	40,000	41	76%	22	3 or 4	0.63	165	909
GS6 40 YRRT L	300	40	0.59	50,000	51	76%	20	4	0.60	155	819
GS6 50 YRRT L	N/A	48	0.58	50,000	51	76%	20	4	0.60	172	866
GS6 50 YRRT L5	N/A	50	0.58	65,000	67	77%	22	4	1.39	195	909
GS6 65 YRRT L	N/A	65	0.57	65,000	67	76%	24	4	1.00	215	941
GS6 75 XRRS L*	300	74	N/A	75,100	81	80%	26-1/2	4	1.25	275	1,188

Recoveries are based on natural gas BTU rate and are rounded to nearest gallon
 *Not FVIR Compliant
 Side ports for space heating are 3/4" NPT
 When ordering propane, change the "Y" to "H" or change "X" to "C" in the model number (Examples: GS6 75 CRRS L or GS6 40 HBRT L) and add \$40
 Water connections are 3/4" on all models except GS6 75 XRRS L, it is 1"

SELECT®



SELECT® SL POWER DIRECT VENT

6-Year Tank / 6-Year Parts Warranty

- Side-Mounted Taps Designed for Potable Recirculating Systems
- Power Direct Vent Design
- Energy Saving Hot Surface Ignition System
- Brass Drain Valve
- PEXAN™ Polymer Dip Tube
- CSA International Certified Energy Cutoff (ECO)
- Silencer™ Heat Trap Nipples
- Green Choice® “Eco-Friendly” Gas Burner
- Dual Magnesium Anode Rods for Extra Protection against Corrosion

Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	90°F Rise Recovery G.P.H.	Diameter* (Inches)	Vent Connections (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS									
GS6 40 YBPDT L	40	.60	40,000/36,000	41/37	21	3	0.66	224	\$ 1,226
GS6 50 YRPDT L5	50	.58	65,000/60,000	64/59	21	3	1.19	232	1,520
GS6 75 YRPDT L	75	.58	70,000/65,000	72/67	26-1/4	3	1.75	352	1,943

First hour ratings & recoveries are rounded to nearest gallon
 All models have 3/4" male inlet and outlet connections
 When ordering propane, change "Y" to "H" in the model number (Example: GS6 40 HBPDT L) and add \$40

SELECT® SL HOT SURFACE IGNITION POWER VENT

6-Year Tank / 6-Year Parts Warranty

- Side-Mounted Taps Designed for Potable Recirculating Systems
- Hydronic Installations Designed for use with Hydronic Air Handlers, Radiant Floor Heating or Other Applications requiring a Recirculating Hot Water Loop
- Power Vent Design
- Intelli-Vent™ Gas Control
- PEXAN™ Polymer Dip Tube
- Factory-Installed CSA Certified and ASME Rated T&P Relief Valve
- FVIR Compliant Design
- Green Choice® “Eco-Friendly” Gas Burner
- Dual Magnesium Anode Rods for Extra Protection against Corrosion



Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	Output BTU/HR Natural	90°F Rise Recovery G.P.H.	Diameter* (Inches)	Vent Connections (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GS6 40 YRVIT L	38	.65	50,000	39,000	51	20 1/2	3 or 4	1.00	170	\$ 1,217
GS6 50 YRVIT L	48	.65	50,000	39,500	54	22	3 or 4	1.00	190	1,296
GS6 50 YRVIT L5	50	.65	62,500*	49,400	64	22	3 or 4	1.00	190	1,363
GS6 75 YRVIT L	74	N/A	80,000	64,000	77	25 1/2	3 or 4	1.25	250	1,629

Recoveries are based on natural gas BTU rate and are rounded to nearest gallon
 All models have standard 2" foam except GS6 75 YRVIT L (this model has 1 1/2" foam)
 When ordering propane, change "Y" to "H" in the model number (Example: GS6 40 HRVIT L) and add \$40
 Propane rate is 55,000 BTUH - Output is 43,500
 All models certified from sea level to 7,700 ft. elevations

Intelli-Vent™ is a registered trademark of Emerson Electric Company

SELECT®

SELECT® SL DIRECT VENT

6-Year Tank / 6-Year Parts Warranty

- Side-Mounted Taps Designed for Recirculating Systems
- Direct Vent Design
- Intelli-Vent™ Gas Control
- PEXAN™ Polymer Dip Tube
- Factory-Installed CSA Certified and ASME Rated T&P Relief Valve
- “Environmentally-Friendly” Non-CFC Foam Insulation
- Green Choice® “Eco-Friendly” Gas Burner
- Durable Brass Tamper-Resistant Drain Valve
- Glasslined Tank for Long-Lasting Protection Against Corrosion
- Push Button Piezo Ignitor for One Hand Spark Ignition



Model Number	Gallon Capacity	Energy Factor (EF)	Input BTU/HR Natural	Output BTU/HR Natural	90°F Rise Recovery G.P.H.	Diameter* (Inches)	Vent Connections (Inches)	Loading Percent 53	Approximate Shipping Weight	Net Distributor Price
TALL MODELS										
GS6 40 YBDS L	40	0.59	38,000	30,780	41	22-1/4	3-6	1.00	167	\$ 987
GS6 50 YRDS L	50	0.58	50,000	40,500	55	22-1/4	3-6	1.00	187	1,153
GS6 75 YRDS L	75	0.57	55,000	44,550	60	26-1/4	4-7	1.50	310	1,550

Recoveries are rounded to nearest gallon

Water Connections - 3/4" on all models

Dual-channel system has 3" vent pipe inside 6" air intake pipe for the 40 & 50-gallon models. The 75-gallon model uses a 4"x7" Co-Axial Pipe.

When ordering propane, change "Y" to "H" in the model number (Example: GS6 40 HBDS L) and add \$40

All models have 2" foam cavity

All 75-gallon water connections are 12" on center

All models certified from sea level to 10,100 ft. elevations

TANKLESS

NON-CONDENSING

Residential: 12-year limited heat exchanger warranty / 5-year limited parts warranty
Commercial: 5-year limited heat exchanger warranty / 5-year limited parts warranty++

- ENERGY STAR® Qualified
- Category III Stainless Steel Venting
- Indoor, Outdoor and Convertible Types Available
- Remote Included (110, 310 and 510 Models)
- Indoor Type Includes Power Cord
- Low NOx Emissions
- Power Vent Design
- Easy-Link up to 4 Units (510, 710 and 910 Models)
- Multi-Link Capable with Controller (710 and 910 Models)
- 510, 710 and 910 Models Feature Commercial Grade (25% Thicker) Copper Heat Exchanger (Non-ASME Models)
- Suitable for Commercial Application (510, 710 and 910 Models)



Model Number*	Type	Gas Consumption Input		Energy Factor (EF)	Hot Water Output (GPM)			Approx. Shipping Weight (lbs.)	IMAP+	List Price
		Minimum BTU/H	Maximum BTU/H		Maximum	45°F Rise	70°F Rise			
NON-CONDENSING MODELS										
GTS-110-NI	Indoor	19,500	140,000	0.82	6.6	5.1	3.3	38	\$ 819	\$ 1,024
GTS-110-NE	Outdoor	19,500	140,000	0.82	6.6	5.1	3.3	38	819	1,024
GTS-310-NI	Indoor	11,000	190,000	0.82	8.0	6.9	4.4	43	1,064	1,330
GTS-310-NE	Outdoor	11,000	190,000	0.82	8.0	6.9	4.4	43	1,072	1,340
GTS-510-NI	Indoor	11,000	199,000	0.82	10.0	7.2	4.7	45	1,336	1,670
GTS-510-NE	Outdoor	11,000	199,000	0.82	10.0	7.2	4.7	45	1,312	1,640
Thermal Efficiency NG / LP										
GTS-710-NIE	Convertible	24,000	240,000	82% / 84%	9.0	8.5	5.5	66	1,960	2,450
GTS-710-NIEA***	Convertible	24,000	240,000	82% / 84%	9.0	8.5	5.5	66	2,398	2,998
GTS-910-NIE	Convertible	15,000	380,000	80% / 82%	14.5	13.5	8.7	113	3,982	4,978
GTS-910-NIEA***	Convertible	15,000	380,000	80% / 82%	14.5	13.5	8.7	113	4,400	5,500

*For Propane, change the N to P in the model number when ordering: Example: GTS-110-PIE
 ***ASME Models
 +Internet Minimum Advertised Price (IMAP)
 ++Refer to product installation manual for specific warranty information

TANKLESS

CONDENSING HIGH EFFICIENCY

Residential: 12-year limited heat exchanger warranty / 5-year limited parts warranty
Commercial: 5-year limited heat exchanger warranty / 5-year limited parts warranty++



- Condensing Technology Provides Significant Energy Cost Savings
- ENERGY STAR® Qualified
- Built-in Display Shows Operating Temperature along with Diagnostic and Error Codes
- Condensing design allows for PVC, CPVC or ABS pipe for Intake and Exhaust (solid core)
- Power Direct Vent design
- Stainless Steel Venting can be used (consult local codes)
- Primary Commercial Grade (25% Thicker) Copper Heat Exchanger
- Low NOx Emissions
- Secondary 316L Stainless Steel Heat Exchanger
- Suitable for Commercial Application (520 Models)
- Easy-Link up to 4 Units (520 models)
- Remote Included (320 and 520 Models)
- Indoor Type Includes Power Cord

Model Number*	Type	Gas Consumption Input		Energy Factor (EF)	Hot Water Output (GPM)			Approx. Shipping Weight (lbs.)	IMAP+	List Price
		Minimum BTU/H	Maximum BTU/H		Maximum	45°F Rise	70°F Rise			
CONDENSING MODELS										
GTS-320-NIH	Indoor	13,000	180,000	0.91	8.0	7.3	4.7	73	\$ 1,408	\$ 1,760
GTS-320-NEH	Outdoor	13,000	180,000	0.91	8.0	7.3	4.7	70	1,408	1,760
GTS-520-NIH	Indoor	13,000	199,000	0.91	9.0	8.1	5.2	85	1,568	1,960
GTS-520-NEH	Outdoor	13,000	199,000	0.91	9.0	8.1	5.2	83	1,568	1,960

*For Propane, change the N to P in the model number when ordering: Example: GTS-320-PIH
 +Internet Minimum Advertised Price (IMAP)
 ++Refer to product installation manual for specific warranty information

TANKLESS

VENTING*			GTS-110-NI	GTS-110-NE	GTS-310-NI	GTS-310-NE	GTS-510-NI	GTS-510-NE	GTS-320-NIH	GTS-320-NEH	GTS-520-NIH	GTS-520-NEH	GTS-710-NIE	GTS-910-NIE	IMAP+	List Price
T-Vent Part Number	Nova Vent Part Number	Description														
	9008142005	3" Air intake hood	X	X	X										\$ 20	\$ 25
	9008143005	4" Air intake hood									X				22	28
9007748005 (6" length)	9007987005 (6" length)	4" Straight pipe	X	X	X						X				15	19
9007749005 (12" length)	9007986005 (12" length)	4" Straight pipe	X	X	X						X				19	24
9007750005 (24" length)	9007984005 (24" length)	4" Straight pipe	X	X	X						X				29	36
9007751005 (36" length)	9007983005 (36" length)	4" Straight pipe	X	X	X						X				40	50
9007752005 (48" length)	9007982005 (48" length)	4" Straight pipe	X	X	X						X				54	68
9007753005 (6.7"-9.8")	9007985005 (7.0"-9.9")	4" Adjustable straight	X	X	X						X				31	39
9007754005 (8.7"-13.8")		4" Adjustable straight	X	X	X						X				32	40
9007755005 (13.0"-22.4")		4" Adjustable straight	X	X	X						X				42	52
9007756005 (31.9"-60.2")		4" Adjustable straight	X	X	X						X				96	120
9007757005	9007981005	4" 45 degree elbow	X	X	X						X				36	45
9007758005	9007980005	4" 90 degree elbow	X	X	X						X				42	52
9007855005 (4.1"-7.4")	9007998005 (4.0"-7.0")	4" Wall thimble	X	X	X						X				56	70
9007856005 (7.4"-14.0")	9007997005 (5.0"-10.0")	4" Wall thimble	X	X	X						X				56	70
9007765005	9007994005	4" Horizontal drain pipe	X	X	X						X				22	28
	9007993005	4" Vertical drain pipe (M-F)	X	X	X						X				26	33
9007766005		4" Vertical drain pipe (F-F)	X	X	X						X				26	33
9007771005	9007990005	4" Storm collar	X	X	X						X				18	22
9007770005		4" Storm collar pipe	X	X	X						X				42	52
9007761005	9007988005	4" Firestop	X	X	X						X				45	56
9007769005		4" Roof jack	X	X	X						X				40	50
9007767005	9007992005	4" Flat roof flashing	X	X	X						X				104	130
9007768005	9007991005	4" Angled roof flashing	X	X	X						X				40	50
9007763005	9007999005	4" Termination hood	X	X	X						X				72	90
9007609005 (4.1"-7.4")	9008004005 (4.0"-7.0")	4" Termination hood w/ thimble	X	X	X						X				93	116
9007742005 (7.4"-14.0")	9008005005 (5.0"-10.0")	4" Termination hood w/ thimble	X	X	X						X				128	160
9007762005		4" Termination louver	X	X	X						X				72	90
9007608005 (4.1"-7.4")		4" Termination louver w/ thimble	X	X	X						X				109	136
9007741005 (7.4"-14.0")		4" Termination louver w/ thimble	X	X	X						X				118	148
9007764005	9008144005	4" Termination tee	X	X	X						X				56	70
	9007995005	4" Rain cap	X	X	X						X				42	52
	9008145005	4" Extreme weather rain cap	X	X	X						X				96	120
	9008146005	4" Universal appliance adaptor - 3-in-1 (F-F adaptor, condensate drain, & back-flow preventer)	X	X	X						X				88	110
9007678005		4" Back-flow preventer (M-F)	X	X	X						X				35	44
	9007996005	4" Back-flow preventer & F-F adaptor	X	X	X						X				35	44
9007760005		4" M-F adaptor	X	X	X						X				13	16
9007759005	9007979005	4" F-F adaptor	X	X	X						X				30	37
	9007989005 (1")	4" Support strap	X	X	X						X				8	10
9007743005 (2")		4" Support strap	X	X	X						X				8	10
9007744005 (4")		4" Support strap	X	X	X						X				9	11
9007745005 (8")		4" Support strap	X	X	X						X				10	13

*Please note: T-Vent and Nova Vent are not interchangeable. Use one venting accessories line. Nova Vent has limited availability. Please contact your local representative.
+Internet Minimum Advertised Price (IMAP)

TANKLESS

VENTING*			GTS-110-NI	GTS-110-NE	GTS-310-NI	GTS-310-NE	GTS-510-NI	GTS-510-NE	GTS-320-NIH	GTS-320-NEH	GTS-520-NIH	GTS-520-NEH	GTS-710-NIE	GTS-910-NIE	IMAP+	List Price
T-Vent Part Number	Nova Vent Part Number	Description														
9007746005 (12")		4" Support strap	X	X	X							X			\$ 16	\$ 20
9007747005		4" Support clamp	X	X	X							X			8	10

3X4, 4X4 CONCENTRIC TERMINATIONS AND KITS*

	9008147005 (5.0" to 10.0")	4" exhaust / 3" intake concentric termination	X	X	X										\$ 184	\$ 230
	9008148005 (12.0" to 18.0")	4" exhaust / 3" intake concentric termination	X	X	X										216	270
9007611005 (3.9" to 7.1")	9008768005 (3.9" to 7.1")	4" exhaust / 3" intake concentric termination	X	X	X										184	230
	9007772005 (6.9" to 10.1")	4" exhaust / 3" intake concentric termination	X	X	X										192	240
	9007773005 (9.8" to 13.0")	4" exhaust / 3" intake concentric termination	X	X	X										216	270
	9008001005 (5.0" to 10.0")	4" exhaust / 3" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)	X	X	X										310	388
	9008000005 (12.0" to 18.0")	4" exhaust / 3" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)	X	X	X										334	418
9007849005 (3.9" to 7.1")		4" exhaust / 3" intake concentric termination kit (2 in 1 Adaptor, Direct Vent Conversion Kit, Termination, Aluminum Flex, Back-flow Preventer)	X	X	X										302	378
9007850005 (6.9" to 10.1")		4" exhaust / 3" intake concentric termination kit (2 in 1 Adaptor, Direct Vent Conversion Kit, Termination, Aluminum Flex, Back-flow Preventer)	X	X	X										310	388
9007851005 (9.8" to 13.0")		4" exhaust / 3" intake concentric termination kit (2 in 1 adaptor, Direct Vent Conversion Kit, Termination, Aluminum Flex, Back-flow Preventer)	X	X	X										334	418
9007774005		4" Horizontal vent kit (F-F Adaptor, 90Elbow, Wall Thimble with Louver)	X	X	X							X			157	196
9007775005		4" Horizontal vent kit (Vertical Drain Tee, 90Elbow, Wall Thimble with Louver)	X	X	X							X			174	218
9007776005		4" Vertical vent kit (Vertical Drain Tee, 2 90Elbows, Firestop, Support Clamp, Roof Jack, Angle Roof Flashing, Storm Collar Pipe, Rain Cap)	X	X	X							X			365	456
9007777005		4" Vertical vent kit (Vertical Drain Tee, 2 45Elbows, Firestop, Support Clamp, Roof Jack, Flat Roof Flashing, Storm Collar Pipe, Rain Cap)	X	X	X							X			360	450
	9008149005 (5.0" to 10.0")	4" exhaust / 4" intake concentric termination										X			208	260
	9008150005 (12.0" to 18.0")	4" exhaust / 4" intake concentric termination										X			216	270
	9008206005 (5.0" to 10.0")	4" exhaust / 4" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)										X			350	438
	9008207005 (12.0" to 18.0")	4" exhaust / 4" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)										X			360	450

5" VENTING*

	9008180005	5" Air intake hood											X		\$ 29	\$ 36
	9008181005 (6" length)	5" Straight pipe											X		24	30
	9008182005 (12" length)	5" Straight pipe											X		26	33
	9008183005 (24" length)	5" Straight pipe											X		40	50
	9008184005 (36" length)	5" Straight pipe											X		56	70
	9008185005 (48" length)	5" Straight pipe											X		72	90
	9008186005 (7.0"-9.9")	5" Adjustable straight											X		45	56
	9008187005	5" 45 degree elbow											X		53	66
	9008188005	5" 90 degree elbow											X		61	76

*Please note: T-Vent and Nova Vent are not interchangeable. Use one venting accessories line. Nova Vent has limited availability. Please contact your local representative.
 -Internet Minimum Advertised Price (IMAP)



TANKLESS

5" VENTING* CONT'D			GTS-110-NI	GTS-110-NE	GTS-310-NI	GTS-310-NE	GTS-510-NI	GTS-510-NE	GTS-320-NIH	GTS-320-NEH	GTS-520-NIH	GTS-520-NEH	GTS-710-NIE	GTS-910-NIE	IMAP+	List Price
T-Vent Part Number	Nova Vent Part Number	Description														
	9008189005 (4"-7")	5" Wall thimble											X		\$ 50	\$ 62
	9008190005 (5"-10")	5" Wall thimble											X		61	76
	9008191005	5" Horizontal drain pipe											X		40	50
	9008192005	5" Vertical drain pipe (M-F)											X		40	50
	9008193005	5" Storm collar											X		40	50
	9008194005	5" Firestop											X		19	24
	9008195005	5" Flat roof flashing											X		42	52
	9008196005	5" Angled roof flashing											X		42	52
	9008197005	5" Termination hood											X		96	120
	9008198005	5" Termination tee											X		80	100
	9008200005	5" Extreme weather rain cap											X		56	70
	9008201005	5" Universal appliance adaptor - 3-in-1 (F-F adaptor, condensate drain, & back-flow preventer)											X		104	130
9007679005		5" Back-flow preventer (M-F)											X		38	48
	9008202005	5" Back-flow preventer & F-F adaptor											X		48	60
	9008203005	5" F-F adaptor											X		40	50
	9008204005 (1")	5" Support strap											X		56	70
	9008208005 (5.0" to 10.0")	5" exhaust / 5" intake concentric termination											X		230	288
	9008209005 (12.0" to 18.0")	5" exhaust / 5" intake concentric termination											X		258	323
	9008205005 (5.0" to 10.0")	5" exhaust / 5" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)											X		470	587
	9008210005 (12.0" to 18.0")	5" exhaust / 5" intake concentric termination kit (3 in 1 adaptor, Direct Vent Conversion kit, Termination, Aluminum Flex)											X		554	693

OTHER ACCESSORIES

Part Number	Description														IMAP+	List Price
9007676005	Outdoor Vent cap												X		\$ 120	\$ 150
9007677005	Outdoor Vent cap												X		216	270
9007667005	Direct Vent conversion kit	X	X	X											56	70
9007668005	Direct Vent conversion kit											X			72	90
9007669005	Direct Vent conversion kit												X		110	138
9007674005	Recess Box		X	X	X										200	250
9007671005	Pipe Cover	X	X												78	98
9007670005	Pipe Cover			X	X	X	X								78	98
9007606005	Pipe Cover							X	X	X	X				94	118
9007672005	Pipe Cover											X			152	190
9007673005	Pipe Cover												X		166	208
9007675005	Multiple Unit Controller												X	X	944	1,180
9007666005	Temperature Remote Controller	X	X	X	X										104	130
9007603005	Temperature Remote Controller					X	X	X	X	X	X	X	X	X	136	170
9007604005	Isolation Valves	X	X	X	X	X	X	X	X	X	X				128	160
9007605005	Isolation Valves	X	X	X	X	X	X	X	X	X	X				96	120
9007778005	Isolation Valves												X		160	200
9007779005	Isolation Valves												X		128	160
9007780005	Isolation Valves												X		192	240
9007781005	Isolation Valves												X		160	200
9007607005	Neutralizer							X	X	X	X				48	60
9007611005	Concentric PVC termination							X	X						77	96
9007610005	PVC intake adaptor							X	X						40	50

*Please note: T-Vent and Nova Vent are not interchangeable. Use one venting accessories line. Nova Vent has limited availability. Please contact your local representative.
+Internet Minimum Advertised Price (IMAP)



COMMERCIAL

Gas & Electric Commercial Information

Warranties

Sandblaster Gas—3 Year Limited Warranty on Tank (Includes Sediment Caused Failure) 1 Year Limited Warranty on Parts.

Sandblaster Electric—3 Year Limited Warranty on Tank (includes Sediment Caused Failure) 1 Year Limited Warranty on all other Parts.

Optional 5 Year Warranty—An optional 5 Year Limited Warranty on the tank (includes sediment caused failures) is available on most commercial gas and electric models. Extended warranty to be purchased separately.

Ordering Information

ELECTRIC

Sandblaster may be ordered with immersion or surface mounted thermostats and in a variety of wattages and voltages.

Voltage	Model No. Suffix	Price Each
208	X	—
240	E	—
277	Y	\$ 51
480	B	\$ 51

For CSB models 240, 277, 208, and 480 voltage are available, for 277 and 480 volt, add \$51.00 to the Distributor Price.

When ordering models with surface-mounted thermostats, delete "I" in the model number and substitute "S".

EXAMPLE: CSB 52 6 SFE.

SSE models on pages 49 & 50 are not available with surface mounted thermostats.

SPECIFY VOLTAGE WHEN ORDERING. UNITS WILL BE 3 PHASE*. CAN BE FIELD CONVERTED TO SINGLE PHASE.

All capacities available with ASME construction. Consult local codes to determine if ASME code tank is required. Add "A" to the model number and \$413.00 to the Distributor Price.

Heaters equipped with 3 kW are available in single phase only.

All Sandblaster electric models are shipped with a CSA Certified and ASME Rated T&P Relief Valve.

*277 volt models are shipped single phase only.

GAS

Specify Natural or Propane (LP) Gas. Substitute "P" for "N" in the model number. Add \$40.00 to the Distributor Price when Propane (LP) gas is specified.

Certain models are available with ASME construction. Consult local codes to determine if ASME code tank is required.

All Sandblaster models will be shipped with a CSA Certified and ASME rated T&P Relief Valve.

Accessories

Side Wall Power Vent Kits

Kit #	Gas Models	Net Distributor Price
9003432005	65-100MBTU	\$ 678
9005381205	120-200MBTU	492
9003434205	250-500MBTU	646

Leg Kit For UL Sanitation To Meet NSF 5*

Kit #	Gas Models	Net Distributor Price
9003425205	SBD, SBN	\$ 60

Condensate Neutralization Kits For use with GP6 50 YTPDT, GP6 50 YTVIT, SUF and Force™ 90+ models

Part Number	Description	Net Distributor Price
9007959005	CNS-2 Condensate Neutralization Kit - 75,000 to 199,000 BTU	\$ 89
9007960005	CNS-6 Condensate Neutralization Kit - 200,000 to 500,000 BTU	278
9007961005	CNS-10 Condensate Neutralization Kit - 501,000 to 1M BTU	268
9007962005	CNS-20 Condensate Neutralization Kit - 1.1M to 2M BTU	296
9007963005	CNS-30 Condensate Neutralization Kit - 2.1M to 3.4M BTU	345
9007964005	CNS-2 Refill Kit	41
9007965005	CNS-6 Refill Kit	46
9007966005	CNS-10 Refill Kit	43
9007967005	CNS-20 Refill Kit	49
9007968005	CNS-30 Refill Kit	54

*Call the State Parts Department to order at 800-821-2017.

iCOMM™ Remote Monitoring System

For more information and ordering call 1.888.WATER02 or visit www.stateconnect.com

iCOMM Requirements

- Facility must have "always on" internet (wired or wireless)
- iCOMM compatible water heater
- Annual iCOMM subscription

iCOMM Features

- Provides remote monitoring via www.stateconnect.com
- E-mail and text messaging of fault conditions
- Leak detection and notification
- Graphs unit performance and operational history
- BACnet compatibility with building management systems



Model Number	Item	Description	Retail Price	Net Distributor Price
ICMS	iCOMM Communications Module	Main communications board required for any iCOMM installation.	\$ 399	\$ 359
IMDS	iCOMM Multi-Device Adapter	Needed if more than one water heater will be connected to the control module. Order 1 MDA for each water installed.	\$ 98	\$ 88
IABS	iCOMM Alarm Box	Accessory alarm box that includes an audible alarm and alarm light.	\$ 189	\$ 170

Note: If using wireless internet an optional wireless adapter is needed to provide wired connection to the communications module. Recommended adapter Linksys WGA600N or equivalent.

iCOMM™ *Elite* Remote Monitoring System

For more information and ordering call 1.888.WATER02 or visit www.stateconnect.com

The State iCOMM Elite service plan provides a site evaluation, remote monitoring actively managed and monitored by State, service dispatch, and extended warranties. This provides peace of mind with no out-of-pocket expense for the first three years, and is available on our most popular gas and electric models. This plan ensures a hassle-free water heater experience.

Sign-up for Elite Service in three easy steps.

1. Confirm your heater(s) eligibility by entering the model and serial number of your heater(s) at www.stateconnect.com; click on compatible products.
2. Purchase and install an iCOMM monitoring system and subscription.
3. Call 1-888-WATER02 to start your hassle-free service plan.

iCOMM Elite Service Plan

Model Number	Model Number	Elite Service Plan*
ELITESV120	SUF 60-120(A)	\$ 775
ELITESV150	SUF 100-150(A)	\$ 950
ELITESV199	SUF 100-199(A)	\$ 990
ELITESV250	SUF 100-250(A)	\$ 1,030
ELITESV300	SUF 130-300 A	\$ 1,930
ELITESV400	SUF 130-400 A	\$ 2,015
ELITESV500	SUF 130-500 A	\$ 2,120
ELITEGLDEL	CSB 52(A),82(A),120(A) IFE	\$ 860
ELITEC0520	SSE 5, 10, 20	\$ 565
ELITEC3050	SSE 30, 40, 50	\$ 770
ELITEC6512	SSE 65, 80, 100, 120	\$ 940

* iCOMM Elite service plan requires a three year service subscription of \$300 annually. Installation charges are the customer's responsibility. The plan must be started within 90 days of the heater installation. Other restrictions apply.

SANDBLASTER®

SELF CLEANING

3-Year Limited Warranty

- All models meet the Thermal Efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1
- Recovery and First Hour Delivery Based on Efficiency Test Results Ranging Up to 80%
- SBS models comply with California Energy Commission (CEC) and Texas Requirements for low NOx Emissions of less than 40ng/j



Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Hood Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
LIGHT DUTY									
SBS65 65NE	65	65,000	60	4	24	65	1.00	215	\$ 1,673
SBS75 76NE	74	75,100	73	4	27¾	61	1.59	275	2,339
SBS100 76NE	98	75,100	73	4	27¾	68½	1.25	350	2,899
BOOSTER MODELS - INDUCED DRAFT									
SBD30 150NE**	32	150,000	145	6	27¾	45	2.78	460	\$ 5,464
SBD30 199NE**	32	199,900	194	6	27¾	45	2.78	460	5,618
SBD30 150NE A**	32	150,000	145	6	27¾	45	2.78	440	6,647
SBD30 199NE A**	32	199,900	194	6	27¾	45	2.78	440	6,840
FLUE DAMPER MODELS									
SBD71 120NE	71	120,000	116	5	27¾	69¾	2.08	400	\$ 4,419
SBD81 154NE	81	154,000	149	6	27¾	73	2.08	470	5,615
SBD81 180NE	81	180,000	175	6	27¾	67½	2.08	470	5,790
SBD100 199NET	100	199,000	193	6	27¾	74	2.08	603	5,954
SBD100 199NE	100	199,000	193	6	27¾	74	2.08	603	5,954
SBD81 199NE	81	199,000	184	6	27¾	67½	2.08	470	5,825
SBD100 199NES	100	199,000	193	6	30¼	72	2.78	630	5,978
SBD100 250NE*	100	250,000	242	8	30¼	72	2.78	630	6,606
SBD65 251NE*	65	251,000	243	8	27¾	75	2.08	750	6,214
SBD100 275NE*	100	275,000	267	8	30¼	72	2.78	630	6,808
SBD65 305NE	65	305,000	296	8	27¾	75	2.08	750	6,941
SBD85 365NE	85	365,000	354	8	27¾	79½	2.78	725	7,789
SBD100 390NE	100	390,000	387	8	30¼	75½	2.78	760	9,731
SBD85 500NE	85	500,000	479	8	27¾	81½	2.78	745	10,963
ASME MODELS - ASME Models are design certified for a maximum allowable working pressure of 160 PSI									
SBD100 199NES A	100	199,000	193	6	30¼	72	2.78	724	\$ 7,532
SBD100 250NE A*	100	250,000	242	8	30¼	72	2.78	724	8,081
SBD65 251NE A*	65	251,000	243	8	27¾	75	2.08	862	7,662
SBD100 275NE A*	100	275,000	267	8	30¼	72	2.78	724	8,283
SBD65 305NE A	65	305,000	296	8	27¾	75	2.08	862	8,339
SBD85 365NE A	85	365,000	354	8	27¾	79½	2.78	833	9,213
SBD100 390NE A	100	390,000	387	8	30¼	75½	2.78	874	11,192
SBD85 500NE A***	85	500,000	479	8	27¾	81½	2.78	857	12,173

* An 8" to 6" reducer provided with each unit. Certified for both 8" or 6" venting. See local codes.

** Booster Models have induced draft and no damper.

Substitute "P" for "N" in model number for LP (Propane) gas models and add \$40.00 to Distributor Price.

Recovery and First Hour Delivery Rates are based on thermal efficiencies obtained under laboratory conditions.

***Induced Draft Design, Category I Venting.

REFER TO PAGE 36 FOR ORDERING INFORMATION

SANDBLASTER®



COMMERCIAL LOW NOx SBN

3-Year Limited Warranty

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SBN71 120NE+	71	120,000	116	5	27¾	63	2.08	520	\$ 4,947
SBN81 154NE	81	154,000	149	6	27¾	68	2.08	550	6,107
SBN100 180NE	100	180,000	175	6	27¾	72	2.08	550	6,290
SBN95 199NE*	93	199,000	193	6	27¾	72	2.78	660	6,329
SBN100 199NE	100	199,000	193	6	27¾	72	2.78	550	6,329
SBN100 200NES	100	199,000	193	6	27¾	72	2.78	660	6,490
SBN100 200NES A	100	199,000	193	6	27¾	72	2.78	710	7,686
SBN100 250NE	100	250,000	242	6	27¾	72	2.08	660	7,155
SBN100 250NE A	100	250,000	242	6	27¾	72	2.78	710	8,905
SBN100 275NE	100	275,000	267	6	27¾	72	2.08	660	7,370
SBN100 275NE A	100	275,000	267	6	27¾	72	2.08	710	9,143
SBN85 310NE*	85	310,000	301	6	27¾	73	2.78	720	7,557
SBN85 310NE A*	85	310,000	301	6	27¾	73	2.78	770	9,254
SBN85 366NE	85	366,000	355	6	27¾	73	2.08	830	8,522
SBN85 366NE A	85	366,000	355	6	27¾	73	2.08	880	10,060
SBN85 390NE	85	390,000	378	6	27¾	73	2.08	830	10,588
SBN85 390NE A	85	390,000	378	6	27¾	73	2.08	880	12,174

All models comply with California Energy Commission (CEC) and Texas requirements for low NOx emissions of less than 40ng/j. Rated category I Appliance.

Induced draft built-in blower uses standard metal single wall or double wall Type B vent.

Propane (LP) gas not available.

SBN95 199NE for sale in California only.

*Meets 82% TE utility rebate.

+SBN71 120NE is approved for 5" vent using a 6"x5" reducer.

Standard models certified from sea level to 2,000 ft. elevations.

Gas Manifold Kits

Manifold Kit Description	Part Number	Net Distributor Price
Dual Manifold Kit	9003426205	\$ 515
Triple Manifold Kit	9003427205	1,172
Quad Manifold Kit	9003428205	1,403

Note: These kits are for use with SBD, SBN, GPG and GPO models only.

SANDBLASTER® FORCE™

POWER DIRECT VENT

3-Year Limited Warranty

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Hood Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SDV75 70NE	75	70,000 (Nat)	64	3	26	69½	1.75	352	\$ 3,133
SDV75 70PE	75	65,000 (LP)	59	3	26	69½	1.75	352	3,175



FORCE™ 90

HIGH EFFICIENCY POWER VENT 3-Year Limited Warranty

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SHE50 76NE	50	76,000	83	2	22	70 ⁵ / ₈	1.45	210	\$ 2,367

Available in Natural Gas only.
Optional Condensate Neutralization Kits Available - See page 36 for more information.



FORCE™ 90+

HIGH EFFICIENCY POWER DIRECT VENT 3-Year Limited Warranty

- 96% Thermal Efficiency
- Electronic Control Provides Precise Temperature Control
- Top-Fired Low NOx Burner
- iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.
- Flexible Venting with PVC, CPVC or ABS Pipe



Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Vent Connection (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SHE50 100NE	50	100,000	116	2	22	66 ³ / ₄	1.20	255	\$ 3,413

Available in Natural Gas and Propane. Concentric Vent Kit - 9006328005. Optional Condensate Neutralization Kits Available. See page 36 for more information. Standard model certified from sea level to 10,100 ft. elevations.



ULTRA FORCE™

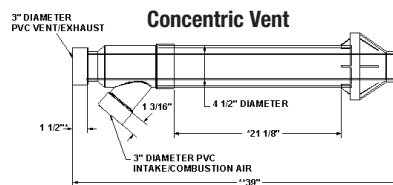
HIGH EFFICIENCY POWER VENT/ POWER DIRECT VENT 3-Year Limited Warranty

- Flexible venting with 3 or 4" PVC, on 120-250 models and 4 or 6" PVC on 300-500 models
- Electronic Control Provides Precise Temperature Control
- Up to 96% Thermal Efficiency
- iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.



Model Number	Gallon Capacity	Input BTU/HR*	100°F Rise Recovery G.P.H.	Vent Size Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SUF60 120NE	60	120,000	138	3	27 ³ / ₄	55 ¹ / ₂	2.78	460	\$ 5,005
SUF60 120NEA	60	120,000	138	3	27 ³ / ₄	55 ¹ / ₂	2.78	490	6,418
SUF100 150NE	100	150,000	173	3	27 ³ / ₄	75 ¹ / ₂	2.78	555	6,808
SUF100 150NEA	100	150,000	173	3	27 ³ / ₄	75 ¹ / ₂	2.78	595	8,385
SUF100 199NE	100	199,000	230	3	27 ³ / ₄	75 ¹ / ₂	2.78	555	6,974
SUF100 199NEA	100	199,000	230	3	27 ³ / ₄	75 ¹ / ₂	2.78	595	8,559
SUF100 250NE	100	250,000	288	3	27 ³ / ₄	75 ¹ / ₂	2.78	555	7,892
SUF100 250NEA	100	250,000	288	3	27 ³ / ₄	75 ¹ / ₂	2.78	595	9,380
SUF130 300NE	119.9	300,000	349	4	33 ¹ / ₈	75 ¹ / ₂	3.33	855	10,140
SUF130 300NEA	130	300,000	349	4	33 ¹ / ₈	75 ¹ / ₂	3.33	855	11,358
SUF130 400NE	119.9	399,900	465	4	33 ¹ / ₈	75 ¹ / ₂	3.33	855	11,831
SUF130 400NEA	130	399,900	465	4	33 ¹ / ₈	75 ¹ / ₂	3.33	855	13,075
SUF130 500NE	119	499,900	576	4	33 ¹ / ₂	75 ¹ / ₂	3.33	855	13,980
SUF130 500NEA	130	499,900	576	4	33 ¹ / ₂	75 ¹ / ₂	3.33	855	15,140

Electrical characteristics - 120V - 60Hz A.C., 5.0A
Add \$40.00 to price for propane models. Change "N" to "P" in model number for propane.
"A" in model represents ASME construction.
Concentric Vent kit for SUF60-120 through 130-300 - 9006328005
Concentric Vent kit for SUF130-400 and SUF130-500 - 9006144005
Vents using PVC, ABS or CPVC pipe.
Optional Condensate Neutralization Kits Available - See page 36 for more information.



STATE TITAN™



POWER GAS BURNER GPG 3-Year Limited Warranty

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Hood Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GPG81 140(N/P)E	81	140,000/140,000	136	6	27¾	74¾	2.08	556	\$ 6,540
GPG81 140(N/P)EA	81	140,000/140,000	136	6	27¾	74¾	2.08	658	8,035
GPG81 199(N/P)E	81	199,000/199,000	193	6	27¾	74¾	2.08	545	6,750
GPG81 199(N/P)EA	81	199,000/199,000	193	6	27¾	74¾	2.08	635	8,249
GPG81 270(N/P)E	81	270,000/270,000	262	8	27¾	74¾	2.08	547	7,588
GPG81 270(N/P)EA	81	270,000/270,000	262	8	27¾	74¾	2.08	632	9,087
GPG81 370NE	81	370,000	359	8	27¾	79¾	2.08	634	8,404
GPG81 370NEA	81	370,000	359	8	27¾	79¾	2.08	731	9,899

Add \$40.00 to price for propane models.
Change "N" to "P" in model number for propane.
Burner and barometric control packaged separately.
"E" in model represents 3 year limited warranty.
"A" in model represents ASME construction.
Not Low NOx approved.

Plant of manufacture: McBee, South Carolina

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Hood Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ATMOSPHERIC VENT									
GPG85 540NEA	85	540,000	523	9	29½	93	3.45	950	\$ 12,528
GPG85 650NEA	85	650,000	630	9	29½	93	3.45	950	12,950
GPG85 740NEA	85	740,000	778	9	29½	93	3.45	950	13,372

Authorized start-up service included on all models. Contact local representative.
Not available in propane gas.
ASME standard on all models.
All models comply with California Energy Commission (CEC) and Texas requirements for Low NOx emissions of less than 30 ppm.

Plant of manufacture: McBee, South Carolina

VENTING OPTIONS

Part Number	Description	Net Distributor Price
9500007350	Standard Atmospheric Kit (Vertical Vent)	\$ 246

When ordered with heater, vent option is included in heater pricing.

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Draft Hood Outlet (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
HORIZONTAL AND DIRECT VENT									
GPV85 540NEA	85	540,000	523	9	29½	93	3.45	950	\$ 12,986
GPV85 650NEA	85	650,000	630	9	29½	93	3.45	950	13,409
GPV85 740NEA	85	740,000	718	9	29½	93	4.55	950	13,831

Authorized start-up service included on all models. Contact local representative.
Not available in propane gas.
ASME standard on all models.
All models comply with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for Low NOx emissions of less than 30 ppm.

Plant of manufacture: McBee, South Carolina

VENTING OPTIONS

Part Number	Description	Net Distributor Price
9500007229	Horizontal Sidewall Vent Kit	\$ 414
9910001005	Horizontal Sealed Direct Vent Termination Kit	1,355

When ordered with heater, vent option is included in heater pricing.

STATE TITAN[®]

POWER OIL BURNER GPO

3-Year Limited Warranty

Model Number	Gallon Capacity	Input BTU/HR	100°F Rise Recovery G.P.H.	Vent Size (Inches)	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
GPO86 199OE	86	199,000	193	6	27 ³ / ₄	74 ³ / ₄	2.08	553	\$ 6,607
GPO86 245OE	86	245,000	238	8	27 ³ / ₄	74 ³ / ₄	2.08	554	6,765
GPO84 315OE	84	315,000	305	8	27 ³ / ₄	74 ³ / ₄	2.08	554	7,149
GPO84 315OEA	84	315,000	305	8	27 ³ / ₄	74 ³ / ₄	2.08	624	8,648
GPO75 385OE	75	385,000	373	8	27 ³ / ₄	74 ³ / ₄	2.08	624	8,422
GPO75 385OEA	75	385,000	373	8	27 ³ / ₄	74 ³ / ₄	2.08	742	9,918
GPO75 455OE	75	455,000	441	8	27 ³ / ₄	74 ³ / ₄	2.08	700	9,850
GPO75 455OEA	75	455,000	441	8	27 ³ / ₄	74 ³ / ₄	2.08	747	11,345
GPO69 700OE	69	700,000	679	10	27 ³ / ₄	79 ³ / ₄	2.08	739	12,128
GPO69 700OEA	69	700,000	679	10	27 ³ / ₄	79 ³ / ₄	2.08	822	13,617

ASME models have "A" at end of model number.
 Burner and barometric control packaged separately.
 Start-up included on all GPO models.
 Electrical characteristics: 120V, 60 Hz, A.C.
 Optional 2-Stage pump add \$34.00.
 Not Low NOx approved.

Plant of manufacture: McBee, South Carolina

STATE TITAN®

LV POWER GAS HEAVY DUTY COMMERCIAL POWERED GAS LARGE VOLUME

3-Year Limited Warranty

- 160 PSI ASME working pressure
- Electronic flame safeguard with electronic ignition
- Diaphragm air prover switch
- Powered burner
- Upper and lower thermostats
- CSA Certified and ASME Rated T&P Relief Valve
- Lifting Lugs
- High temperature (manual reset) limit control
- (2) 3" handhole inspection openings
- Anodic corrosion protection
- Flame inspection port opening
- Hinged door control compartment
- Combination temperature and pressure gauge
- Low water cutoff
- Barometric draft regulator
- National Board listing
- Electrical characteristics - 120V-60 Hz, A.C.
- 120°F to 180°F temperature range



Model Number	Gallon Capacity	Input BTU/HR Net/Propane	100°F Rise Recovery G.P.H.	Vent Size (Inches)	Diameter (Inches)	Height (Inches)	Approximate Shipping Weight	Net Distributor Price
TPG150 140NEA	163	140,000	136	5	36½	82¼	1292	\$ 15,824
TPG150 199NEA	163	199,000	193	6	36½	82¼	1292	16,362
TPG150 255NEA	163	255,000	247	6	36½	82¼	1292	16,839
TPG150 270NEA	163	270,000	262	6	36½	82¼	1397	20,805
TPG150 400NEA	151	400,000	388	7	36½	82¼	1397	21,336
TPG150 540NEA	151	540,000	524	8	36½	82¼	1505	22,326
TPG150 720NEA	145	720,000	698	10	36½	82¼	1510	22,738
TPG200 300NEA	221	300,000	291	6	44¾	84½	2098	30,070
TPG200 600NEA	221	600,000	582	8	44¾	84½	2098	30,721
TPG200 800NEA	221	800,000	776	10	44¾	84½	2103	31,722
TPG200 1000NEA	221	1,000,000	970	10	44¾	84½	2103	32,515
TPG200 1250NEA	210	1,250,000	1212	12	44¾	84¾	2467	34,898
TPG200 1500NEA	201	1,500,000	1454	12	44¾	84¾	2759	37,945
TPG300 300NEA	300	300,000	291	6	44¾	92	2150	31,344
TPG300 600NEA	300	600,000	582	8	44¾	92	2150	31,963
TPG300 800NEA	300	800,000	776	10	44¾	92	2308	32,919
TPG300 1000NEA	300	1,000,000	970	10	44¾	92	2308	33,672
TPG300 1250NEA	300	1,250,000	1212	12	44¾	92	2584	35,944
TPG300 1500NEA	300	1,500,000	1454	12	44¾	92	2774	38,846
TPG400 600NEA	411	600,000	582	8	55	89	3207	38,329
TPG400 800NEA	411	800,000	776	10	55	89	3212	38,405
TPG400 1000NEA	411	1,000,000	970	10	55	89	3212	40,555
TPG400 1250NEA	411	1,250,000	1212	12	55	89	3212	41,494
TPG400 1500NEA	411	1,500,000	1454	12	55	89	3402	44,231
TPG400 1750NEA	404	1,750,000	1697	14	55	89	3528	45,354
TPG400 2000NEA	397	2,000,000	1939	14	55	96¼	3669	49,073
TPG500 2250NEA	495	2,250,000	2182	16	55	108	3886	50,406
TPG500 2500NEA	495	2,500,000	2424	16	55	108	4169	52,353
TPG600 720NEA	594	720,000	698	10	55	114	3567	45,688
TPG600 1000NEA	594	1,000,000	970	10	55	114	3567	47,940
TPG600 1250NEA	594	1,250,000	1212	12	55	114	3737	48,446
TPG600 1500NEA	594	1,500,000	1454	12	55	114	3737	49,775
TPG600 1750NEA	594	1,750,000	1697	14	55	114	3737	51,142
TPG600 2000NEA	594	2,000,000	1939	14	55	114	3737	52,604
TPG600 2250NEA	585	2,250,000	2182	16	55	114	4377	53,814
TPG600 2500NEA	575	2,500,000	2424	16	55	114	4519	55,932

Distributor prices are "NET" and are not subject to discounts or volume incentives.

Plant of manufacture: Renton, Washington

*Add \$40.00 to price for propane models.

Change the "N" to "P" in model number when ordering. (Example: TPG140 140PEA)

CODE COMPLIANCE: Meets the Thermal Efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1.

Code, New York Code, California Code. Entire unit is UL listed.

Factory Freight Terms: All orders are F.O.B. Renton, Washington. Call factory for freight quote.



POWER GAS OPTIONAL EQUIPMENT

AUTHORIZED START-UP SERVICE INCLUDED: Consult local factory representative (Continental U.S. only).

Item	Net Distributor Add On
Optional Burner Diagnostic System 270,000 - 2,500,000 only	\$ 135
IRI Controls: 270,000 thru 2,500,000 BTU Input	2,052
CSD-1 Controls	140
Alarm Bell with Silencing Switch	218
Safety Door Interlock	200
Fresh Air Intake Adapter: 270-1250 MBH #5716-3	194
CSA Rated T&P valve (Must be specified at time of order)	Check Factory

Adder for TPX - NOx Approved Burners

Burner BTUH Input (Only those BTUH sized shown are available) Note: Meets Texas NOx requirements of <30 PPM. Does not meet California requirements of <10 PPM.	Net Distributor Add For Low NOx Burner
400,000 - 540,000 BTUH	\$ 2,474
600,000 - 750,000 BTUH	2,856
800,000 - 1,000,000 - 1,250,000 - 1,500,000 BTUH	2,966
1,750,000 - 2,000,000 BTUH	3,381

Low NOx burners are natural gas only. Not all Low NOx burners BTUH capacities are available with all tank sizes; check the current spec sheet for exact burner availability. Change the "G" to "X" when ordering Low NOx units. Example TPX140 400NE.
When ordering the Optional Low NOx burner, add 100 lbs. to standard unit shipping weight.

STATE TITAN™

LV POWER OIL - HEAVY DUTY OIL FIRED LARGE VOLUME

3-Year Limited Warranty

- 160 PSI ASME working pressure
- 2-Stage burner
- Upper and lower thermostats
- CSA Certified and ASME Rated T&P Relief Valve
- High temperature (manual reset) limit control
- (2) 3" handhole inspection openings
- Anodic corrosion protection
- Lifting Lugs
- Flame inspection port opening
- Combination temperature and pressure gauge
- Hinged door control compartment
- Low water cutoff
- Barometric draft regulator
- #2 fuel oil
- National Board listing
- Electrical characteristics - 120V-60 Hz, A.C.
- 120°F to 180°F temperature range
- Electronic flame safeguard control w/electronic ignition
- Diaphragm air prover switch



Model Number	Gallon Capacity	Input BTU/HR Net/Propane	100°F Rise Recovery G.P.H.	Vent Size (Inches)	Diameter (Inches)	Height (Inches)	Approximate Shipping Weight	Net Distributor Price
TPO 150 140OEA	163	140,000	136	5	36½	82¼	1292	\$ 14,976
TPO 150 199OEA	163	199,000	193	6	36½	82¼	1292	15,488
TPO 150 255OEA	163	255,000	247	6	36½	82¼	1292	15,937
TPO 150 270OEA	163	270,000	262	6	36½	82¼	1397	19,693
TPO 150 400OEA	151	400,000	387	7	36½	82¼	1397	20,187
TPO 150 540OEA	151	540,000	524	8	36½	82¼	1505	21,125
TPO 150 720OEA	145	720,000	698	10	36½	82¼	1510	21,519
TPO 200 300OEA	221	300,000	291	6	44¾	84½	2098	28,453
TPO 200 600OEA	221	600,000	582	8	44¾	84½	2098	31,725
TPO 200 800OEA	221	800,000	776	10	44¾	84½	2103	31,944
TPO 200 1000OEA	221	1,000,000	970	10	44¾	84½	2103	32,692
TPO 200 1250OEA	210	1,250,000	1212	12	44¾	84¾	2467	33,027
TPO 200 1500OEA	201	1,500,000	1455	12	44¾	84¾	2757	35,908
TPO 300 300OEA	300	300,000	291	6	44¾	92	2150	35,908
TPO 300 600OEA	300	600,000	582	8	44¾	92	2150	34,000
TPO 300 800OEA	300	800,000	776	10	44¾	92	2308	34,146
TPO 300 1000OEA	300	1,000,000	970	10	44¾	92	2308	35,534
TPO 300 1250OEA	300	1,250,000	1212	12	44¾	92	2584	36,149
TPO 300 1500OEA	300	1,500,000	1455	12	44¾	92	2774	38,884
TPO 400 600OEA	411	600,000	582	8	55	89	3207	36,271
TPO 400 800OEA	411	800,000	776	10	55	89	3212	36,345
TPO 400 1000OEA	411	1,000,000	970	10	55	89	3212	38,375
TPO 400 1250OEA	411	1,250,000	1212	12	55	89	3212	39,267
TPO 400 1500OEA	411	1,500,000	1455	12	55	89	3402	41,857
TPO 400 1750OEA	404	1,750,000	1697	14	55	89	3528	42,914
TPO 400 2000OEA	397	2,000,000	1939	14	55	96¼	3669	46,435
TPO 500 2250OEA	495	2,250,000	2182	16	55	108	4277	47,703
TPO 500 2500OEA	495	2,500,000	2424	16	55	108	4419	49,535
TPO 600 720OEA	594	720,000	698	10	55	114	3667	43,237
TPO 600 1000OEA	594	1,000,000	970	10	55	114	3667	44,598
TPO 600 1250OEA	594	1,250,000	1212	12	55	114	3667	45,981
TPO 600 1500OEA	594	1,500,000	1455	12	55	114	3837	47,104
TPO 600 1750OEA	594	1,750,000	1697	14	55	114	3837	48,397
TPO 600 2000OEA	594	2,000,000	1939	14	55	114	3837	49,769
TPO 600 2250OEA	585	2,250,000	2182	16	55	114	4477	50,930
TPO 600 2500OEA	575	2,500,000	2424	16	55	114	4619	52,926

Distributor prices are "Net" and are not subject to discounts or volume incentives.

Plant of manufacture: Renton, Washington

Factory Freight Terms: All orders are F.O.B. Renton, Washington. Call factory for freight quote.

AUTHORIZED START-UP SERVICE INCLUDED - required to activate the warranty. Consult local factory representative (Continental U.S. only).

OPTIONAL EQUIPMENT

IRI (800,000 & above only) Add \$2,052.00 to Distributor Price. CSA certified and ASME rated T&P relief valve (must be specified at time of order), consult factory. CSD-1 Controls - \$140.00

CODE COMPLIANCE: Meets the Thermal Efficiency and standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1, New York Code, California Code. Entire unit is UL listed.

Distributor prices are "net" and are not subject to discounts or volume incentives.

Factory Freight Terms: All orders are F.O.B. Renton, Washington. Call factory for freight quote.



STATE TITAN™



HEAVY DUTY COMMERCIAL DUAL FUEL LARGE VOLUME

3-Year Limited Warranty

- 160 PSI ASME working pressure
- 2 Stage burner
- Upper and lower thermostats
- CSA Certified and ASME rated T&P Relief Valve
- High temperature (manual reset) limit control
- (2) 3" handhole inspection openings
- Anodic corrosion protection
- Lifting Lugs
- Flame inspection port opening
- Hinged door control compartment
- Combination temperature and pressure gauge
- Low water cutoff
- Barometric draft regulator
- #2 fuel oil
- National Board listing
- Electrical characteristics - 120V-60 Hz, A.C.
- 120°F to 180°F temperature range
- Electronic flame safeguard control with electronic ignition
- Diaphragm air prover switch
- Combination natural gas and # 2 fuel oil

Model Number	Gallon Capacity	Input BTU/HR Net/Propane	100°F Rise Recovery G.P.H.	Vent Size (Inches)	Diameter (Inches)	Height (Inches)	Approximate Shipping Weight	Net Distributor Price
TPD 150 350ONEA	151	350,000	339	7	36½	82¼	1397	\$ 25,469
TPD 150 400ONEA	151	400,000	387	7	36½	82¼	1397	25,992
TPD 150 540ONEA	151	540,000	524	8	36½	82¼	1505	26,986
TPD 150 720ONEA	145	720,000	698	10	36½	82¼	1510	27,402
TPD 200 350ONEA	221	350,000	291	7	44¾	84½	2098	34,733
TPD 200 600ONEA	221	600,000	582	8	44¾	84½	2098	35,389
TPD 200 800ONEA	221	800,000	776	10	44¾	84½	2103	36,394
TPD 200 1000ONEA	221	1,000,000	970	10	44¾	84½	2103	37,189
TPD 200 1250ONEA	210	1,250,000	1212	12	44¾	84¾	2467	39,567
TPD 200 1500ONEA	201	1,500,000	1455	12	44¾	84¾	2759	42,607
TPD 300 350 ONEA	300	350,000	339	7	44¾	92	2150	36,636
TPD 300 600ONEA	300	600,000	582	8	44¾	92	2150	39,193
TPD 300 800ONEA	300	800,000	776	10	44¾	92	2308	39,732
TPD 300 1000ONEA	300	1,000,000	970	10	44¾	92	2308	41,203
TPD 300 1250ONEA	300	1,250,000	1212	12	44¾	92	2584	42,846
TPD 300 1500ONEA	300	1,500,000	1455	12	44¾	92	2774	45,753
TPD 400 600ONEA	411	600,000	582	8	55	89	3207	42,996
TPD 400 800ONEA	411	800,000	776	10	55	89	3212	43,069
TPD 400 1000ONEA	411	1,000,000	970	10	55	89	3212	45,219
TPD 400 1250ONEA	411	1,250,000	1212	12	55	89	3212	46,123
TPD 400 1500ONEA	411	1,500,000	1455	12	55	89	3402	48,896
TPD 400 1750ONEA	404	1,750,000	1697	14	55	89	3528	50,022
TPD 400 2000ONEA	397	2,000,000	1939	14	55	96¼	3669	53,735
TPD 500 2250ONEA	495	2,250,000	2182	16	55	108	3886	55,070
TPD 500 2500ONEA	495	2,500,000	2424	16	55	108	4169	57,014
TPD 600 720ONEA	594	720,000	698	10	55	114	3567	50,356
TPD 600 1000ONEA	594	1,000,000	970	10	55	114	3567	51,793
TPD 600 1250ONEA	594	1,250,000	1212	12	55	114	3737	53,249
TPD 600 1500ONEA	594	1,500,000	1455	12	55	114	3737	54,437
TPD 600 1750ONEA	594	1,750,000	1697	14	55	114	3737	55,804
TPD 600 2000ONEA	594	2,000,000	1939	14	55	114	3737	57,264
TPD 600 2250ONEA	585	2,250,000	2182	16	55	114	4377	58,486
TPD 600 2500ONEA	575	2,500,000	2424	16	55	114	4519	60,599

Distributor prices are "Net" and are not subject to discounts or volume incentives.

Add \$40.00 to price for propane models, (Change the "N" to "P" in model number when ordering).

Example: TPD140 140OPEA will fire on oil and propane, the TPD140 140ONEA will fire on oil and natural gas.

AUTHORIZED START-UP SERVICE INCLUDED - required to activate the warranty. Consult local factory representative. (Continental U.S. only)

Plant of manufacture: Renton, Washington

OPTIONAL EQUIPMENT

IRI (400,000 & above only.) Add \$2,052 to Net Distributor Price. CSA certified and ASME rated T&P relief valve (must be specified at time of order), consult factory.

CSD-1 Controls - \$140

COBT Optional Burner Diagnostic System, add \$146 to Net Price. Direct Spark for oil Ignition, add \$400 to Net Price.

Factory Freight Terms: All orders are F.O.B. Renton, WA. Call factory for freight quote.



SANDBLASTER®

SELF CLEANING WITH FACTORY FUSING GOLD PLATED ELEMENTS WITH SURFACE-MOUNTED THERMOSTATS

3-Year Limited Warranty

All models meet the standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1.

Model Number	Gallon Capacity	Kilowatt Input	No. of Elements	Standard Voltage	Diameter (Inches)	Height (Inches)	Hi Cube Trailer Load Factor	Approximate Shipping Weight	Net Distributor Price
CSB 52 6 SFE	50	6	3	208	21¾	55¾	1.19	260	\$ 2,421
CSB 52 9 SFE	50	9	3	208	21¾	55¾	1.19	260	2,579
CSB 52 12 SFE	50	12	3	208	21¾	55¾	1.19	260	2,588
CSB 52 135 SFE	50	13.5	3	208	21¾	55¾	1.19	260	2,636
CSB 52 15 SFE	50	15	3	208	21¾	55¾	1.19	260	2,636
CSB 52 18 SFE	50	18	3*	208	21¾	55¾	1.19	260	2,672
CSB 52 24 SFE	50	24	6	208	21¾	55¾	1.19	265	3,885
CSB 52 27 SFE	50	27	6	208	21¾	55¾	1.19	265	3,941
CSB 52 30 SFE	50	30	6	208	21¾	55¾	1.19	265	3,998
CSB 52 36 SFE	50	36	6*	208	21¾	55¾	1.19	265	4,054
CSB 82 6 SFE	80	6	3	208	25½	60¼	1.85	280	3,165
CSB 82 9 SFE	80	9	3	208	25½	60¼	1.85	280	3,232
CSB 82 12 SFE	80	12	3	208	25½	60¼	1.85	280	3,242
CSB 82 135 SFE	80	13.5	3	208	25½	60¼	1.85	280	3,327
CSB 82 15 SFE	80	15	3	208	25½	60¼	1.85	280	3,327
CSB 82 18 SFE	80	18	3*	208	25½	60¼	1.85	280	3,352
CSB 82 24 SFE	80	24	6	208	25½	60¼	1.85	280	4,311
CSB 82 27 SFE	80	27	6	208	25½	60¼	1.85	280	4,614
CSB 82 30 SFE	80	30	6	208	25½	60¼	1.85	280	4,658
CSB 82 36 SFE	80	36	6*	208	25½	60¼	1.85	280	4,683
CSB 82 405 SFE	80	40.5	9	208	25½	60¼	1.85	280	5,849
CSB 82 45 SFE	80	45	9	208	25½	60¼	1.85	280	5,849
CSB 82 54 SFE	80	54	9	208	25½	60¼	1.85	280	5,885
CSB 120 6 SFE	119	6	3	208	35½	60¼	2.08	390	3,672
CSB 120 9 SFE	119	9	3	208	35½	62¼	2.08	390	3,772
CSB 120 12 SFE	119	12	3	208	35½	62¼	2.08	390	3,796
CSB 120 135 SFE	119	13.5	3	208	35½	62¼	2.08	390	3,843
CSB 120 15 SFE	119	15	3	208	35½	62¼	2.08	390	3,843
CSB 120 18 SFE	119	18	3*	208	35½	62¼	2.08	390	3,888
CSB 120 24 SFE	119	24	6	208	35½	62¼	2.08	390	5,017
CSB 120 27 SFE	119	27	6	208	35½	62¼	2.08	390	5,039
CSB 120 30 SFE	119	30	6	208	35½	62¼	2.08	390	5,081
CSB 120 36 SFE	119	36	6*	208	35½	62¼	2.08	390	5,102
CSB 120 405 SFE	119	40.5	9	208	35½	62¼	2.08	395	6,495
CSB 120 45 SFE	119	45	9	208	35½	62¼	2.08	395	6,495
CSB 120 54 SFE	119	54	9	208	35½	62¼	2.08	395	6,548

*Models will be shipped with three less elements on voltages other than 208 voltage. For 277 and 480 volt, add \$51.00 to the Distributor Price. For ASME Tank Construction, add \$413.00 to the above prices and "A" to the model number. Shipping weight will increase 50 pounds with ASME construction. ASME Models are design certified for a maximum allowable working pressure of 160 PSI. All above prices include a shipped with a CSA approved and ASME Rated T&P Relief Valve. Field conversion kits allow easy change of voltage and kW inputs.

Model Number	Loading Percentage 53'	Full Truck Load 53'	Voltage	Model Number Suffix	Price Each
CSB 52	1.00	100	208	X	—
CSB 82	2.08	48	277	Y	\$ 51
CSB 120	2.22	45	480	B	51

Sandblaster Electric models are available in standard and ASME tank construction as well as 240, 208, 277 and 480 volt. 208V, 240V and 480V available three-phase only. Field convert to single-phase. 277 volt models are shipped single phase only. When ordering please specify total kW and number of elements.

Electric Manifold Kits

Manifold Kit Description	Part Number	Net Distributor Price
Dual Manifold Kit	9003429205	\$ 928
Triple Manifold Kit	9003430205	1,764
Quad Manifold Kit	9003431205	2,195

Note: These kits are for use with CSB 52, 82 and 120 models only.



SANDBLASTER®

SELF CLEANING WITH FACTORY FUSING GOLD PLATED ELEMENTS, ADVANCED CONTROL, IMMERSION THERMOSTATS 3-Year Limited Warranty

■ All models meet the standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1.

■ Advanced electronic control
– iCOMM™ Compatible and can be monitored from remote locations.
Call 1.888.WATER02 for more Information.



Model Number	Gallon Capacity	Kilowatt Input	No. of Elements	Standard Voltage	Diameter (Inches)	Height (Inches)	Hi Cube Trailer Load Factor	Approximate Shipping Weight	Net Distributor Price
CSB 52 6 IFE	50	6	3	208	21¼	55¾	1.19	260	\$ 3,306
CSB 52 9 IFE	50	9	3	208	21¼	55¾	1.19	260	3,399
CSB 52 12 IFE	50	12	3	208	21¼	55¾	1.19	260	3,489
CSB 52 135 IFE	50	13.5	3	208	21¼	55¾	1.19	260	3,615
CSB 52 15 IFE	50	15	3	208	21¼	55¾	1.19	260	3,615
CSB 52 18 IFE	50	18	3*	208	21¼	55¾	1.19	260	3,623
CSB 52 24 IFE	50	24	6	208	21¼	55¾	1.19	265	4,752
CSB 52 27 IFE	50	27	6	208	21¼	55¾	1.19	265	4,867
CSB 52 30 IFE	50	30	6	208	21¼	55¾	1.19	265	5,016
CSB 52 36 IFE	50	36	6*	208	21¼	55¾	1.19	265	5,139
CSB 52 405 IFE	50	40.5	9	208	21¼	55¾	1.19	265	6,320
CSB 52 45 IFE	50	45	9	208	21¼	55¾	1.19	265	6,320
CSB 52 54 IFE	50	54	9	208	25½	55¾	1.19	265	6,543
CSB 82 6 IFE	80	6	3	208	25½	60¼	1.85	280	4,138
CSB 82 9 IFE	80	9	3	208	25½	60¼	1.85	280	4,192
CSB 82 12 IFE	80	12	3	208	25½	60¼	1.85	280	4,267
CSB 82 135 IFE	80	13.5	3	208	25½	60¼	1.85	280	4,288
CSB 82 15 IFE	80	15	3	208	25½	60¼	1.85	280	4,288
CSB 82 18 IFE	80	18	3*	208	25½	60¼	1.85	280	4,392
CSB 82 24 IFE	80	24	6	208	25½	60¼	1.85	280	5,534
CSB 82 27 IFE	80	27	6	208	25½	60¼	1.85	280	5,703
CSB 82 30 IFE	80	30	6	208	25½	60¼	1.85	280	5,793
CSB 82 36 IFE	80	36	6*	208	25½	60¼	1.85	280	5,917
CSB 82 405 IFE	80	40.5	9	208	25½	60¼	1.85	280	7,050
CSB 82 45 IFE	80	45	9	208	25½	60¼	1.85	280	7,050
CSB 82 54 IFE	80	54	9	208	35½	60¼	1.85	280	7,267
CSB 120 6 IFE	119	6	3	208	35½	62¼	2.08	390	4,707
CSB 120 9 IFE	119	9	3	208	35½	62¼	2.08	390	4,824
CSB 120 12 IFE	119	12	3	208	35½	62¼	2.08	390	5,000
CSB 120 135 IFE	119	13.5	3	208	35½	62¼	2.08	390	5,249
CSB 120 15 IFE	119	15	3	208	35½	62¼	2.08	390	5,249
CSB 120 18 IFE	119	18	3*	208	35½	62¼	2.08	390	5,315
CSB 120 24 IFE	119	24	6	208	35½	62¼	2.08	390	5,936
CSB 120 27 IFE	119	27	6	208	35½	62¼	2.08	390	6,173
CSB 120 30 IFE	119	30	6	208	35½	62¼	2.08	390	6,312
CSB 120 36 IFE	119	36	6*	208	35½	62¼	2.08	390	6,397
CSB 120 405 IFE	119	40.5	9	208	35½	62¼	2.08	390	7,682
CSB 120 45 IFE	119	45	9	208	35½	62¼	2.08	390	7,682
CSB 120 54 IFE	119	54	9	208	35½	62¼	2.08	390	7,883

*Models will be shipped with three less elements on voltages other than 208 volt.

For 277 and 480 volt, add \$51.00 to the Distributor Price. For ASME Tank Construction, add \$413.00 to the above prices and "A" to the model number. Shipping weight will increase 50 pounds with ASME construction. ASME Models are design certified for a maximum allowable working pressure of 160 PSI. All above prices include a shipped with a CSA Approved and ASME Rated T&P Relief Valve. Field conversion kits allow easy change of voltage and kW inputs.

Model Number	Loading Percentage 53'	Full Truck Load 53'	Voltage	Model Number Suffix	Price Each
CSB 52	1.00	100	208	X	—
CSB 82	2.08	48	277	Y	\$ 51
CSB 120	2.22	45	480	B	51

Sandblaster Electric models are available in standard and ASME tank construction as well as 240, 208, 277 and 480 volt. 208V, 240V and 480V available three-phase only. Field convert to single-phase. 277 volt models are shipped single phase only. When ordering please specify total kW and number of elements.

STATESMAN®

PREMIUM HEAVY DUTY ASME AND NSF CONSTRUCTION

3-Year Limited Warranty

- Glasslined tank
- 150 PSI (5 thru 50 gallons)
- 125 PSI (65 thru 120 gallons)
- Anodic protection
- Terminal block on units with more than one (1) contactor
- Advanced electronic control
 - iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more Information.
- Low water cutoff
- Jacket with baked enamel finish



- Incoloy sheath immersion elements with prewired terminal leads
- Magnetic contactors
- 120 volt fused control circuit
- R-16 foam insulation
- Drain valve and individual element fusing when current draw exceeds 120 amperes
- CSA Certified and ASME Rated T&P Relief Valve
- All models meet the standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1.

Model Number	Gallon Capacity	Kilowatt Input	No. of Elements	Recovery 100°F Rise	Diameter (Inches)	Height (Inches)	Approximate Shipping Weight	Net Distributor Price
SSE 5 3	5	3	1	12	16¼	20¼	82	\$ 2,748
SSE 10 3	10	3	1	12	18¾	26⅞	116	2,863
SSE 10 6	10	6	1	25	18¾	26⅞	116	3,043
SSE 20 3	20	3	1	12	20½	27	146	2,993
SSE 20 6	20	6	1	25	20½	27	146	3,135
SSE 20 9	20	9	1	37	20½	27	146	3,428
SSE 20 12	20	12	1	49	20½	27	146	3,486
SSE 20 15	20	15	1	61	20½	27	146	3,673
SSE 20 18	20	18**	1	74	20½	27	146	3,782
SSE 30 6	30	6	1	25	20½	38	162	3,278
SSE 30 9	30	9	1	37	20½	38	162	3,456
SSE 30 12	30	12	1	49	20½	38	162	3,621
SSE 30 15	30	15	1	61	20½	38	162	3,733
SSE 30 18	30	18**	1	74	20½	38	162	3,917
SSE 30 24	30	24	2	98	20½	38	162	5,000
SSE 40 9	40	9	1	37	20½	45½	206	3,540
SSE 40 12	40	12	1	49	20½	45½	206	3,723
SSE 40 15	40	15	1	61	20½	45½	206	3,883
SSE 40 18	40	18**	1	74	20½	45½	206	4,013
SSE 40 24	40	24	2	98	20½	45½	206	5,095
SSE 40 30	40	30	2	123	20½	45½	206	5,532
SSE 40 36	40	36*	2	148	20½	45½	206	5,990
SSE 50 9	50	9	1	37	20½	54½	236	4,179
SSE 50 12	50	12	1	49	20½	54½	236	4,326
SSE 50 15	50	15	1	61	20½	54½	236	4,389
SSE 50 18	50	18**	1	74	20½	54½	236	4,445
SSE 50 24	50	24	2	98	20½	54½	236	5,857
SSE 50 30	50	30	2	123	20½	54½	236	6,210
SSE 50 36	50	36**	2	148	20½	54½	236	6,389
SSE 50 45	50	45	3	184	20½	54½	236	7,564
SSE 50 54	50	54**	3	221	20½	54½	236	7,690
SSE 50 60	50	60	4	246	20½	54½	236	9,255
SSE 50 75	50	75	5	307	20½	54½	236	11,041
SSE 50 90	50	90*	5	369	20½	54½	236	13,683
SSE 65 9	65	9	1	37	26½	53½	294	4,636
SSE 65 12	65	12	1	49	26½	53½	294	4,765

Distributor prices are "Net" and are not subject to discounts or volume incentives.

*Not available 208 volt single phase.

**For 208 volt single phase add \$69 to price.

NOTE: For International voltages 346, 380, 415, 550, or 600 volt, add \$69 to price.

Continued



STATESMAN®

PREMIUM HEAVY DUTY
ASME AND NSF CONSTRUCTION

3-Year Limited Warranty

- All models meet the standby loss requirements of the U.S. Department of Energy and Current Edition of ASHRAE/IESNA 90.1.
- Advanced electronic control – iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.



Model Number	Gallon Capacity	Kilowatt Input	No. of Elements	Recovery 100°F Rise	Diameter (Inches)	Height (Inches)	Approximate Shipping Weight	Net Distributor Price
SSE 65 15	65	15	1	61	26½	53½	294	\$ 4,836
SSE 65 18	65	18**	1	74	26½	53½	294	4,908
SSE 65 24	65	24	2	98	26½	53½	294	6,293
SSE 65 30	65	30	2	123	26½	53½	294	6,634
SSE 65 36	65	36**	2	148	26½	53½	294	6,815
SSE 65 45	65	45	3	184	26½	53½	294	7,943
SSE 65 54	65	54**	3	221	26½	53½	294	8,082
SSE 65 60	65	60	4	246	26½	53½	294	8,545
SSE 65 75	65	75	5	307	26½	53½	294	11,613
SSE 65 90	65	90*	5	369	26½	53½	294	14,233
SSE 80 12	80	12	1	49	28	52¼	310	5,149
SSE 80 15	80	15	1	61	28	52¼	310	5,242
SSE 80 18	80	18**	1	74	28	52¼	310	5,271
SSE 80 24	80	24	2	98	28	52¼	310	6,599
SSE 80 30	80	30	2	123	28	52¼	310	6,934
SSE 80 36	80	36**	2	148	28	52¼	310	7,126
SSE 80 45	80	45	3	184	28	52¼	310	8,237
SSE 80 54	80	54**	3	221	28	52¼	310	8,348
SSE 80 60	80	60	4	246	28	52¼	310	8,661
SSE 80 75	80	75	5	307	28	52¼	310	11,695
SSE 80 90	80	90*	5	369	28	52¼	310	14,261
SSE 100 15	100	15	1	61	28	61	354	5,763
SSE 100 18	100	18**	1	74	28	61	354	5,895
SSE 100 24	100	24	2	98	28	61	354	6,911
SSE 100 30	100	30	2	123	28	61	354	7,259
SSE 100 36	100	36**	2	148	28	61	354	7,427
SSE 100 45	100	45	3	184	28	61	354	8,570
SSE 100 54	100	54**	3	221	28	61	354	8,688
SSE 100 60	100	60	4	246	28	61	354	10,186
SSE 100 75	100	75	5	307	28	61	354	11,905
SSE 100 90	100	90*	5	369	28	61	354	14,501
SSE 120 15	120	15	1	61	30	65	420	6,336
SSE 120 18	120	18**	1	74	30	65	420	6,517
SSE 120 24	120	24	2	98	30	65	420	7,215
SSE 120 30	120	30	2	123	30	65	420	7,558
SSE 120 36	120	36**	2	148	30	65	420	7,741
SSE 120 45	120	45	3	184	30	65	420	8,796
SSE 120 54	120	54**	3	221	30	65	420	8,903
SSE 120 60	120	60	4	246	30	65	420	10,670
SSE 120 75	120	75	5	307	30	65	420	12,891
SSE 120 90	120	90*	5	369	30	65	420	14,732

Distributor prices are "Net" and are not subject to discounts or volume incentives.

*Not available 208 volt single phase.

**For 208 volt single phase add \$69 to price.

NOTE: For International voltages 346, 380, 415, 550, or 600 volt, add \$69 to price.

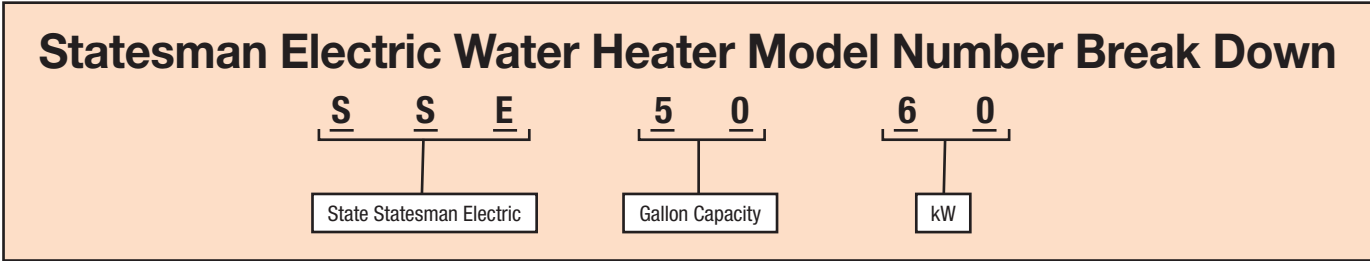
Plant of manufacture: Renton, Washington

STATESMAN®



OPTIONAL EQUIPMENT AND CONSTRUCTION

Option	Net Distributor Price
150 or 160 PSI Working Pressure (65 to 120 Gallon Models Only)	\$ 172
Modulating Control	394
Power Circuit Fusing (Subdivided into 48 amp or less circuits)	\$ 84
3, 6, 9, 12, 15 and 18 kW	172
24, 30 and 36 kW	253
45 and 54 kW	345
60, 75 and 90 kW	
Handhole Cleanout	214
Combination T & P Gauge	93
Override Switch	32
Pilot Light	32
Alarm Horn	323
High Pressure Limit Switch	293
Low Pressure Limit Switch	293



STATE®

LARGE VOLUME ELECTRIC ASME VERTICAL AND HORIZONTAL SEV MODELS (VERTICAL) SEH MODELS (HORIZONTAL)



- Vertical models standard. Horizontal optional.
- UL Listed
- Internal element circuit fusing
- Immersion thermostat(s)
- Electronic low water cutoff
- Manual reset high limit control
- **Advanced Electronic Controls** (all models 150kW and below)
 - iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more Information.
- **Solid State Modulating Step Control** (all models 180kW and up)
- Fiberglass insulation
- Key-type locking doors
- Rectangular Jacket
- Glasslined tank with magnesium anodes
- Incoloy sheathed elements
- Lifting Lugs and channel type skid base
- Manhole (11" X 15") std. on 800 gals. and larger
- ASME code 125 PSI, W. P.

ASME Vertical (SEV) and Horizontal* (SEH) Models

Gallon	140 Gallon		150 Gallon Tall		150 Gallon Short		200 Gallon		250 Gallon	
	803-908 lbs.		858-993 lbs.		812-947 lbs.		1034-1134 lbs.		1120-1250 lbs.	
	kW	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V
Advanced Electronic Control (All models 150 kW and below)										
15	\$16,350	\$16,157	\$18,388	\$18,182	\$18,388	\$18,182	\$20,816	\$19,694	\$20,688	\$20,309
24	\$17,455	\$16,750	\$19,329	\$18,809	\$19,329	\$18,809	\$20,185	\$19,823	\$20,811	\$20,398
30	\$18,038	\$17,460	\$19,718	\$19,218	\$19,718	\$19,218	\$20,185	\$19,823	\$20,919	\$20,521
36	\$18,914	\$17,778	\$20,648	\$19,601	\$20,642	\$19,601	\$21,069	\$20,573	\$21,918	\$21,069
45	\$19,685	\$18,240	\$21,068	\$20,385	\$21,069	\$20,385	\$21,591	\$20,772	\$22,804	\$21,591
60	\$20,388	\$19,511	\$22,163	\$21,005	\$22,163	\$21,005	\$23,161	\$21,978	\$24,292	\$23,161
75	\$22,268	\$21,114	\$24,011	\$22,587	\$24,011	\$22,587	\$25,443	\$23,979	\$26,160	\$25,443
90	\$23,367	\$21,791	\$25,120	\$23,285	\$25,120	\$23,285	\$26,529	\$24,684	\$27,269	\$26,529
105	\$25,120	\$23,486	\$26,917	\$24,914	\$26,982	\$24,914	\$28,311	\$26,312	\$29,044	\$28,308
120	\$26,199	\$24,151	\$27,999	\$25,548	\$27,999	\$25,548	\$29,360	\$26,923	\$30,095	\$27,676
150	-	-	\$30,721	\$27,460	\$30,721	\$27,460	\$32,081	\$29,256	\$32,457	\$29,603
Solid State Modulating STEP Control (All Models 180kW and up)										
180	-	-	-	-	-	-	\$33,723	\$32,940	\$34,392	\$31,306
210	-	-	-	-	-	-	-	-	\$37,509	\$33,662
240	-	-	-	-	-	-	-	-	\$40,659	\$35,368

Gallon	300 Gallon		350 Gallon		400 Gallon		500 Gallon		600 Gallon	
	1265-1550 lbs.		1420-1650 lbs.		1600-1900 lbs.		1759-2215 lbs.		2600-3200 lbs.	
	kW	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V
Advanced Electronic Control (All models 150 kW and below)										
24	\$22,736	\$22,264	\$24,446	\$23,515	\$27,596	\$26,667	\$31,774	\$31,122	\$36,731	\$35,637
30	\$22,856	\$22,370	\$24,548	\$23,636	\$27,699	\$26,778	\$31,894	\$31,241	\$36,857	\$35,765
36	\$22,986	\$22,465	\$24,668	\$23,765	\$27,804	\$26,894	\$32,005	\$31,355	\$36,969	\$35,879
45	\$23,690	\$22,994	\$24,789	\$23,873	\$27,935	\$27,019	\$32,110	\$31,457	\$37,088	\$35,990
60	\$25,298	\$24,185	\$26,265	\$25,101	\$29,388	\$28,230	\$33,320	\$32,197	\$37,189	\$36,113
75	\$27,206	\$25,741	\$28,135	\$26,687	\$31,265	\$29,275	\$34,963	\$33,546	\$38,847	\$37,428
90	\$28,308	\$26,454	\$29,231	\$27,382	\$32,332	\$30,509	\$36,150	\$34,379	\$41,789	\$38,283
105	\$30,077	\$28,086	\$31,001	\$28,997	\$34,094	\$32,160	\$38,351	\$37,026	\$42,219	\$40,261
120	\$31,135	\$28,757	\$38,501	\$29,647	\$35,205	\$32,802	\$39,382	\$37,192	\$43,274	\$40,909
150	\$33,264	\$30,646	\$34,459	\$31,585	\$37,545	\$34,705	\$42,439	\$39,303	\$46,317	\$43,208
Solid State Modulating STEP Control (All Models 180kW and up)										
180	\$35,509	\$32,348	\$36,395	\$33,320	\$39,506	\$36,429	\$45,124	\$41,384	\$48,973	\$45,229
210	\$39,152	\$34,430	\$40,070	\$35,381	\$43,208	\$38,478	\$48,197	\$37,719	\$52,008	\$47,398
240	\$41,689	\$36,429	\$42,627	\$37,349	\$45,750	\$40,486	\$51,072	\$45,954	\$54,863	\$49,745
270	\$44,540	\$38,679	\$45,463	\$39,576	\$48,197	\$42,343	\$53,857	\$48,210	\$57,608	\$51,747
300	\$46,677	\$40,724	\$49,900	\$41,677	\$48,509	\$45,889	\$56,330	\$50,603	\$60,059	\$54,300

Heaters will be furnished with standard wattages unless otherwise specified. Standard elements are designed for 208 or 240V, single or three phase, or 480V, three phase. For wattages other than standard, price on request. All heaters are equipped with thermostats and magnetic contactors as required for operation on any standard voltage/phase combinations. All heaters can be furnished in single or three phase. **Please specify voltage and phase when ordering**



STATE®

LARGE VOLUME ELECTRIC ASME VERTICAL AND HORIZONTAL SEV MODELS (VERTICAL) SEH MODELS (HORIZONTAL)

(CONTINUED)



ASME Vertical (SEV) and Horizontal* (SEH) Models

Gallon	300 Gallon		350 Gallon		400 Gallon		500 Gallon		600 Gallon	
Weight	1265-1550 lbs.		1420-1650 lbs.		1600-1900 lbs.		1759-2215 lbs.		2600-3200 lbs.	
kW	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V
Solid State Modulating STEP Control (All Models 180kW and up)										
330	-	-	\$50,477	\$43,545	\$53,218	\$46,280	\$59,541	\$52,868	\$63,224	\$56,532
360	-	-	-	-	\$56,063	\$48,593	\$62,024	\$54,812	\$65,630	\$60,896
390	-	-	-	-	\$59,348	\$50,815	\$65,650	\$57,325	\$69,263	\$61,774
420	-	-	-	-	-	-	\$67,802	\$59,533	\$71,343	\$63,082
450	-	-	-	-	-	-	\$70,422	\$61,746	\$73,952	\$65,221
480	-	-	-	-	-	-	\$72,846	\$63,604	\$76,329	\$67,057
510	-	-	-	-	-	-	-	-	\$79,294	\$69,272
540	-	-	-	-	-	-	-	-	\$81,947	\$71,214
570	-	-	-	-	-	-	-	-	\$84,641	\$73,441
600	-	-	-	-	-	-	-	-	\$87,289	\$75,340
Gallon	700 Gallon		800 Gallon		1,000 Gallon		1,200 Gallon		1,500 Gallon	
Weight	3000-3500 lbs.		3600-4300 lbs.		4000-4900 lbs.		5400-6000 lbs.		5600-6400 lbs.	
kW	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V	208/240V	480V
Advanced Electronic Control (All models 150 kW and below)										
24	\$38,590	\$37,489	\$41,998	\$39,930	\$45,854	\$44,091	\$51,858	\$49,863	\$68,982	\$65,877
30	\$38,705	\$37,589	\$42,124	\$39,714	\$46,195	\$44,187	\$52,015	\$49,963	\$69,116	\$65,999
36	\$38,825	\$37,704	\$42,234	\$40,443	\$46,076	\$44,310	\$52,149	\$50,075	\$69,227	\$66,099
45	\$38,952	\$37,809	\$42,509	\$40,554	\$45,965	\$44,424	\$52,256	\$50,314	\$69,347	\$66,212
60	\$39,045	\$37,943	\$42,465	\$40,673	\$46,301	\$44,550	\$52,407	\$50,395	\$69,464	\$66,329
75	\$40,698	\$39,276	\$42,586	\$40,772	\$46,424	\$44,638	\$52,498	\$50,434	\$69,547	\$66,451
90	\$41,898	\$40,156	\$43,715	\$41,606	\$46,535	\$44,759	\$52,600	\$50,526	\$69,675	\$70,072
105	\$42,869	\$41,346	\$45,133	\$42,770	\$47,914	\$45,918	\$52,709	\$50,635	\$69,810	\$66,681
120	\$45,257	\$42,903	\$47,144	\$44,100	\$49,892	\$47,520	\$54,311	\$51,554	\$69,925	\$66,777
150	\$48,317	\$45,203	\$50,163	\$46,692	\$52,947	\$49,813	\$56,806	\$58,815	\$70,043	\$68,818
Solid State Modulating STEP Control (All Models 180kW and up)										
180	\$50,980	\$47,241	\$52,868	\$48,656	\$55,621	\$51,862	\$59,348	\$55,628	\$72,559	\$69,051
210	\$54,060	\$49,363	\$55,945	\$50,813	\$58,693	\$54,072	\$62,270	\$59,078	\$75,453	\$70,887
240	\$56,934	\$51,834	\$58,809	\$53,172	\$61,570	\$56,428	\$65,044	\$59,932	\$78,039	\$73,217
270	\$59,830	\$54,104	\$61,570	\$55,422	\$64,352	\$58,762	\$67,439	\$62,079	\$80,700	\$75,271
300	\$62,222	\$56,555	\$64,062	\$57,797	\$66,837	\$61,114	\$70,043	\$64,326	\$84,238	\$78,530
330	\$65,431	\$58,740	\$67,276	\$60,023	\$70,058	\$63,381	\$73,102	\$66,458	\$87,271	\$80,603
360	\$67,921	\$60,676	\$69,806	\$63,007	\$72,500	\$65,308	\$75,435	\$68,252	\$89,648	\$82,409
390	\$71,552	\$62,859	\$73,434	\$64,493	\$76,140	\$67,825	\$78,929	\$70,661	\$93,118	\$84,842
420	\$73,696	\$65,429	\$75,794	\$66,637	\$78,220	\$69,974	\$80,922	\$72,729	\$96,161	\$87,930
450	\$76,322	\$67,610	\$78,120	\$68,772	\$80,843	\$72,130	\$83,407	\$76,011	\$96,961	\$89,951
480	\$78,272	\$69,006	\$80,525	\$70,579	\$83,229	\$73,953	\$85,726	\$76,480	\$99,268	\$92,058
510	\$81,710	\$71,727	\$83,515	\$72,761	\$86,171	\$76,140	\$88,574	\$77,861	\$103,668	\$93,756
540	\$84,396	\$73,709	\$86,106	\$74,532	\$88,839	\$78,002	\$91,117	\$80,427	\$106,295	\$95,592
570	\$87,145	\$75,970	\$88,820	\$76,909	\$91,513	\$80,304	\$93,735	\$82,585	\$108,891	\$97,685
600	\$89,835	\$77,414	\$91,501	\$77,495	\$94,162	\$82,226	\$96,312	\$84,350	\$111,909	\$99,579
660	-	\$83,270	-	\$82,607	-	\$87,903	-	\$87,925	-	\$103,557
720	-	-	-	\$87,716	-	\$92,427	-	\$93,676	-	\$107,484
810	-	-	-	-	-	\$98,715	-	\$99,081	-	\$111,413
990	-	-	-	-	-	\$105,693	-	\$111,130	-	\$116,811
1200	-	-	-	-	-	-	-	\$122,504	-	\$128,310

NOTE: Models 2,000 through 10,000 gallon storage capacity, consult factory for prices.
 FOR VERTICAL MODELS: The gallon capacity is preceded by a SEV and followed by the desired kW listed at the end of the model number. Example: The vertical 500 gallon tank with 120 kW would have a model number "SEV 500-120."
 FOR HORIZONTAL MODELS: The gallon capacity is preceded by a SEH and followed by the desired kW listed at the end of the model number.
 Example: The horizontal 500 gallon tank with 120 kW would have a model number of "SEH 500-120."
 *NOTE: Prices shown are for vertical (SEV) models. See optional equipment for horizontal (SEH) add-on.
 OPTIONAL EQUIPMENT: Stainless steel tanks available for deionized water heating. Consult Renton plant.



STATE®

LARGE VOLUME ELECTRIC ASME VERTICAL AND HORIZONTAL SEV MODELS (VERTICAL) SEH MODELS (HORIZONTAL)



ASME ORDERING INFORMATION – 125 thru 10,000 gallon systems

Specifications for the system should include the following information:

1. Model Number
2. Gallon Capacity
3. Wattage In Kilowatts
4. Voltage and Phase—Number and size of power leads per phase, diameter and number of conduits should be noted on high kW units.
5. List all desired options.

OPTIONAL EQUIPMENT AND CONSTRUCTION

Option	Net Distributor Price
Horizontal Construction	
200 thru 500 gallons - add	\$ 957
600 thru 800 gallons - add	1,075
1000 thru 1500 gallons - add	1,215
ASME 150 or 160 PSI Construction	
125 thru 500 gallons - add	\$ 219
600 thru 500 gallons - add	273
1000 thru 1500 gallons - add	659
3 1/2" dial-type temperature gauge	119
3 1/2" dial-type pressure gauge	119
Additional thermostats (Max. 1 per contactor) each	84
Additional contactors (Max. 1 per element) each	117
Automatic Reset High Limit Temperature Control	100
Terminal for Remote Monitoring or Control-each	28
Two or Three Stage Time Delay Sequencer (Max.1 per Contactor)	219
Four or Five Stage Time Delay Sequencer (Max. 1 per Contactor)	286
Time Clock - Seven Day	233
Alarm, Bell or Horn	296
Secondary Heat Source	Consult Renton Plant
Water to Water or Steam to Water Heating Coil	Consult Renton Plant

Option	Net Distributor Price
Solid State Modulating Step Control - (Includes auto reset high limit) Number Steps cannot exceed the number of contactors	
Safety Door Interlock	\$ 290
4" x 6" Handhole Cleanout (Std on 500 - 700 gallon)	200
11" x 15" Manhole (Std on 800 gallon and larger)	599
Override Switch - per Step	47
Indicating Light - per Step	47
Integral Circulation Pump System	999
Aux. Electric Low Water Cutoff (Man. Reset Probe)	227
Optional Corrosion Protection Linings - Cement or Epoxy	
200 gallons thru 500 gallons (incl. 11" x 15" manhole)	\$ 1,015
600 gallons thru 800 gallons	1,671
1000 gallons thru 1500 gallons	2,266
Shunt Trip Circuit Breaker	Consult Renton Plant



PATRIOT®

LIGHT-DUTY

3-Year Limited Warranty

Model Number	Gallon Capacity	Kilowatt Input	Standard Voltage	No. of Elements	Diameter (Inches)	Height (Inches)	Hi Cube Trailer Load Factor	Approximate Shipping Weight	Net Distributor Price
COMPACT MODELS									
PCE 6 1OMS A	6	1.5	120	1	14¼	15½	.01	35	\$ 575
PCE 10 1OMS A	10	1.5	120	1	18	18¼	.01	54	613
PCE 17 1OMS A	15	1.5	120	1	18	26	.01	58	649
PCE 20 1OMS A	20	1.5	120	1	21¾	21¼	.10	73	694
LOWBOY MODELS									
PCE 30 2OLS A*	30	4.5	208	2	21¾	30¾	.33	100	\$ 1,497
PCE 40 2OLS A*	40	4.5	208	2	24	32¼	.51	125	1,622
PCE 50 2OLS A*	50	4.5	208	2	26½	32¼	.53	166	1,800
TALL MODELS									
PCE 30 2ORT A*	30	4.5	208	2	20½	34¼	.34	98	\$ 1,406
PCE 40 2ORT A*	40	4.5	208	2	20½	45¾	.48	113	1,550
PCE 52 2ORT A*	50	4.5	208	2	20½	57¾	.53	131	1,734
PCE 66 2ORT A*	66	4.5	208	2	21½	60¾	1.04	176	1,971
PCE 82 2ORT A*	80	4.5	208	2	24	59¾	1.45	211	2,190
PCE 120 2ORT A*	119	4.5	208	2	29¾	62¾	1.75	326	3,063

*Only available as two element model.

** Based on Maximum kW input available for single element or two element interlock models.

PCE models 6-20 have T&P installed and heaters are side connect. PCE models 30-120 come with T&P shipped in carton and have a top connection.

kW Input Availability

Patriot electric water heaters are shipped with the standard voltage and kW inputs shown above unless otherwise specified when ordering. The chart below shows available inputs (in kW) for Patriot Water Heaters at different voltages.

Models & Elements	Voltage	Wiring	kW Input Available										
			1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	
6-Gallon Models Single Elements	120V	-		1.5	2	2.5	3						
	208V	-	1	1.5	2	2.5	3	3.5					
	240V	-	1	1.5	2	2.5	3						
	277V	-		1.5	2	2.5	3						
	480V	-			2	2.5	3						
10-Gallon through 20-Gallon Models Single Element	120V	-		1.5	2	2.5	3						
	208V	-	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
	240V	-	1	1.5	2	2.5	3		4	4.5	5	5.5	6
	277V	-		1.5	2	2.5	3		4	4.5	5		6
	480V	-			2	2.5	3		4	4.5	5	5.5	6
30-Gallon through 120-Gallon Models Double Element	120V	Interlock		1.5	2	2.5	3						
		Simultaneous		3	4	5	†						
	208V	Interlock	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
		Simultaneous	2	3	4	5	6	7	8	9	10		
	240V	Interlock	1	1.5	2	2.5	3		4	4.5	5	5.5	6
		Simultaneous	2	3	4	5	6		8	9	10	11	12**
	277V*	Interlock		1.5	2	2.5	3		4	4.5	5		6
		Simultaneous		3	4	5	6		8	9	10		12
	480V	Interlock			2	2.5	3		4	4.5	5	5.5	6
		Simultaneous			4	5	6		8	9	10	11	12

*Single Phase only.

** Available in 3-Phase only.

† Simultaneous wiring not available - exceeds allowable amperage draw.

FACTORY JACKETED AND INSULATED VERTICAL SOLAR STORAGE TANKS

5-year tank/1-year limited parts warranty

Available as pre-configured Specialty Solar Tanks and as Custom Solar Tanks built to specified application requirements - see specification sheet SCESS00811 for custom options including sizes up to 12,500 gallons, cement lined, stainless steel, outdoor models and supplemental tank heaters.

- ASME constructed at 160 psi working pressure. Consult your factory representative for tanks with greater or lesser working pressures.
- Fitted with additional openings to suit the specific needs of solar thermal, commercial heat pump and other renewable energy heat sources.
- Specialty Solar Tanks feature State's commercial grade glasslining that provides superior protection against corrosion.
- Factory-installed upper and lower temperature sensor wells with Pt1000 type sensors and internal wiring pre-installed.
- Factory-installed magnesium anodes designed for maximum protection.
- Specialty Solar Tanks feature 3 inches of high density fiberglass insulation to reduce costly heat loss – R12.5 value. Custom Solar Tanks can be ordered with additional insulation – R16 value.
- Jacketed models feature heavy gauge steel with high quality powder coat paint.
- Eligible for Federal Tax Credit - 30% of total installed cost (no cap) through 2016 when installed as a part of a complete solar water heating system
- State, local and utility rebate programs may also apply



VERTICAL SPECIALTY SOLAR TANKS

Model Number	Nominal Volume (Gallons)	Width (Inches)	Height (Inches)	Glasslined Dry Weight (lbs.)	List Price
SVG 01400 OVTA125	140	30	86	613	\$ 5,435
SVG 02000 OVTA125	200	36	82	749	6,002
SVG 02500 OVTA125	250	36	95	811	8,161
SVG 03000 OVTA125	300	36	110	898	9,261
SVG 03000 OVSA125	300	42	82	857	10,286
SVG 03500 OVTA125	350	42	97	942	10,878
SVG 04000 OVTA125	400	42	104	1436	12,491
SVG 04500 OVTA125	450	42	118	1565	12,915
SVG 05000 OVTA125	500	42	133	1682	13,343
SVG 05000 OVSA125	500	48	99	1714	13,772
SVG 06000 OVTA125	600	48	114	1820	15,317
SVG 07000 OVTA125	700	48	130	1911	16,863
SVG 08000 OVTA125	800	54	120	2974	18,556
SVG 09000 OVTA125	900	54	128	3208	20,194
SVG 10000 OVTA125	1000	54	148	3697	22,319
SVG 10000 OVSA125	1000	**66	99	3947	35,419
SVG 15000 OVTA125	1500	**60	164	4456	39,299
SVG 20000 OVTA125	2000	**66	176	6035	50,232
SVG 20000 OVSA125	2000	**78	131	5952	60,283

Note: Four vertical tanks are available in short and tall models. The S and T designators in the suffix of the model numbers are used to identify these models.

** These models will have rectangular jackets when manufactured for indoor use. All other indoor models will have round jackets.

Distributor Rebate Program does not apply to this category.

FACTORY JACKETED AND INSULATED HORIZONTAL SOLAR STORAGE TANKS

5-year tank/1-year limited parts warranty



Available as pre-configured Specialty Solar Tanks and as Custom Solar Tanks built to specified application requirements - see specification sheet SCESS00811 for custom options including sizes up to 12,500 gallons, cement lined, stainless steel, outdoor models and supplemental tank heaters.

- ASME constructed at 160 psi working pressure. Consult your factory representative for tanks with greater or lesser working pressures.
- Fitted with additional openings to suit the specific needs of solar thermal, commercial heat pump and other renewable energy heat sources.
- Specialty Solar Tanks feature State's commercial grade glasslining that provides superior protection against corrosion.
- Factory-installed upper and lower temperature sensor wells with Pt1000 type sensors and internal wiring pre-installed.
- Factory-installed magnesium anodes designed for maximum protection.
- Specialty Solar Tanks feature 3 inches of high density fiberglass insulation to reduce costly heat loss – R12.5 value. Custom Solar Tanks can be ordered with additional insulation – R16 value.
- Jacketed models feature heavy gauge steel with high quality powder coat paint.
- Eligible for Federal Tax Credit - 30% of total installed cost (no cap) through 2016 when installed as a part of a complete solar water heating system.
- State, local and utility rebate programs may also apply.

HORIZONTAL SPECIALTY SOLAR TANKS

Model Number	Nominal Volume (Gallons)	Height (Inches)	Depth (Inches)	Length (Inches)	Glasslined Dry Weight (lbs.)	Price
SHG 02000 OHTA125	200	41	36	77	1020	\$ 10,122
SHG 02500 OHTA125	250	41	36	90	1082	11,050
SHG 03500 OHTA125	350	47	42	93	1232	12,243
SHG 04000 OHTA125	400	47	42	99	1402	14,410
SHG 05000 OHTA125	500	59	54	79	2270	19,207
SHG 07500 OHTA125	750	59	54	111	2970	24,293
SHG 10000 OHTA125	1000	59	54	143	3751	31,332

Distributor Rebate Program does not apply to this category.

SOLAR THERMAL COLLECTORS

10-year collector limited warranty

- Proudly partnered with Chromagen™ to provide solar thermal collectors
- All collectors are SRCC Certified OG-100
- Collectors can be ordered in bulk or individually
- Glazing - single pane 1/8 inch low-iron patterned and tempered glass provides excellent strength, anti-glare surface with 91% solar transmittance
- Type 6063 T5 all black anodized aluminum collector casing
- Interlocking collector casing construction - does not require fasteners that loosen over time allowing moisture infiltration
- Type M copper tube brazed construction - 5/8 inch risers and 1-1/8 inch manifolds
- Parallel tube configuration ensures optimal flow and low pressure drop. Collectors may be installed in portrait or landscape orientation
- Absorber plate – 1050 aluminum sheet with spectrally selective black coating provides more than 90% solar absorption and less than 40% IR emission for high performance even in cooler climates
- Riser tubes laser welded to absorber plate - excellent heat transfer and long life
- Backsheet is durable black Polypropylene - resists damage and corrosion
- Three layers of insulation retain heat, prevent out-gassing and provide a cumulative thermal resistance value of R-8
- Eligible for Federal Tax Credit - 30% of total installed cost (no cap) through 2016 when installed as a part of a complete solar water heating system
- State, local and utility rebate programs may also apply



Proudly partnered with Chromagen™ to offer Solar Thermal Collectors



SOLAR COLLECTORS (Bulk)

Part Number	Hi Cube Trailer Load Factor	Collector Size (ft)	Model Number	Absorber Plate	Riser Tube Diameter (In)	Thermal Performance	Collectors Per Pallet	Approximate Shipping Weight (lbs.)	List Price
9910007000	3.57	3-1/2' x 7'	CR-110-AP	Aluminum w/Black Paint	5/8"	25,000 Btu/day	11	1003	\$ 10,041
9910008000	5.56	4' x 8'	CR-130-AP	Aluminum w/Black Paint	5/8"	32,000 Btu/day	7	864	7,975
9910009000	6.67	4' x 10'	CR-140-AP	Aluminum w/Black Paint	5/8"	40,000 Btu/day	7	1087	9,518

SOLAR COLLECTORS (Individual)

Part Number	Hi Cube Trailer Load Factor	Collector Size (ft)	Model Number	Absorber Plate	Maximum Collectors Per Package	Approximate Shipping Weight (lbs.)			List Price
						1 Collector Pkg.	2 Collector Pkg.	3 Collector Pkg.	
9910010000 (1-Collector)	6.67	3-1/2' x 7'	CR-110-AP	Aluminum w/Black Selective Coating	1-3	200			\$ 1,428
9910011000 (2-Collector)	6.67						284		2,561
9910056000 (3-Collector)	6.67							369	3,694
9910012000 (1-Collector)	8.33	4' x 8'	CR-130-AP	Aluminum w/Black Selective Coating	1-2	220			1,769
9910013000 (2-Collector)	8.33						340		3,285
9910014000 (1-Collector)	10.00	4' x 10'	CR-140-AP	Aluminum w/Black Selective Coating	1-2	275			1,968
9910015000 (2-Collector)	10.00						425		3,665

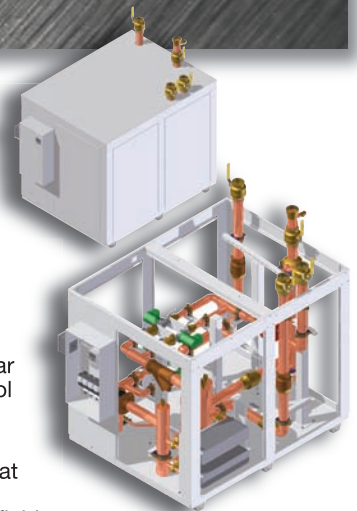
Notes:

1. Solar collectors are included with all Deluxe and Standard Solar System packages.
2. Solar collectors ordered in bulk or individually do not include Fastener Kits that are required for installation. These are ordered separately; see part number 9910052000 in the Miscellaneous Items table on page 19.
3. Thermal performance ratings are according to SRCC OG-100 certification data - Category C, Clear Day conditions.
4. Distributor Rebate Program does not apply to this category.

SOLAR PUMP STATIONS FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

5-year parts/3-year electronics limited warranty

- Factory assembled fully integrated pump stations – consistent intuitive design
- Redundant solar and water loop circulation pumps - self-lubricating pumps with isolation flanges - allows continued pump station operation while servicing individual pumps
- Stainless steel (316L) flat plate heat exchangers - single wall or double wall
- Fully programmable electronic solar control with LCD display that monitors and records system data with graphical view for temperature, energy and other operational data
- Solar control continually monitors system operation and provides alerts for system errors such as shorted or open temperature sensors, pump failure or loss of flow
- SD memory card slot on solar control - saves and transfers configuration settings from one pump station to another - provides permanent storage for energy data
- Web module for online monitoring via Internet or local intranets
- Standard energy metering via onboard solar control with factory installed surface mount temperature sensors - energy data logging, tracks performance and savings
- Optional MID certified energy meter (part number 9910086000) with well mounted temperature sensors - certified validation of solar contribution required for Renewable Energy Credits (RECs), Power Purchase Agreements (PPAs) and other incentives
- Pulse type electronic flow meter
- Surface mount temperature sensors in solar and water loop – monitored by solar control to start/stop circulation pumps and for standard energy metering
- Temperature sensor wells (4) are provided at solar and water loop connections to heat exchangers - for optional energy meter or field supplied temperature sensors
- Fluid balancing valves for precise flow control.
- Full port isolation ball valves at solar and water loop connections
- Air stripper with automatic air vent - purges air from solar loop
- Brass body wye strainer in water loop protects pump station components from debris
- Solar and water loop pressure relief valves.
- Removable access panels on all four sides – allows ease of servicing
- Eligible for Federal Tax Credit - 30% of total installed cost (no cap) through 2016 when installed as a part of a complete solar water heating system
- State, local and utility rebate programs may also apply



OPTIONAL MID CERTIFIED ENERGY METER
PN 9910086000

COMMERCIAL SOLAR PUMP STATIONS

Part Number	Heat Exchanger	Height (inches)	Width (inches)	Length (inches)	Max Collector Aperture Area (ft ²)	Max Number CR-110-AP Collectors (3.5' x 7')	Max Number CR-130-AP Collectors (4' X 8')	Max Number CR-140-AP Collectors (4' x 10')	Energy Rating Btu/hr	Approximate Dry Weight (lbs.)	List Price
9910076000	Single Wall	57	52 3/4	52 3/4	741	32	26	20	160,000	650	\$ 29,507
9910077000	Double Wall										30,248
9910078000	Single Wall	62	52 3/4	52 3/4	1,481	64	50	40	320,000	675	32,940
9910079000	Double Wall										33,468
9910080000	Single Wall	63 1/4	52 3/4	52 3/4	2,222	96	76	60	480,000	800	35,681
9910081000	Double Wall										36,997
9910082000	Single Wall	78 1/2	54 3/4	78 1/2	2,962	128	100	80	640,000	1455	47,527
9910083000	Double Wall										49,616
9910084000	Single Wall	78 1/2	54 3/4	78 1/2	3,703	160	126	100	800,000	1465	55,189
9910085000	Double Wall										57,996

Distributor Rebate Program does not apply to this category.

OPTIONAL ENERGY METER

Part Number	Price
9910086000	\$1,003

Optional energy meter is MID certified - certified validation of solar contribution required for Renewable Energy Credits (RECs), Power Purchase Agreements (PPAs) and other incentives.

SOLAR COMMERCIAL GAS BACKUP

TANK FEATURES

- 100 gallons storage
- Powered anode rod

SOLAR FEATURES

- Eligible for a 30% Federal Tax Credit for the total installed cost (no cap) when installed as part of a complete solar water heating system through December 2016.
- Eligible for 50% accelerated depreciation through December 2012
- Solar loop side connections - supply and return from collectors
- Recirculation loop side connection
- Direct and Indirect models
- Indirect model uses coil type single wall heat exchanger
- Factory-installed lower tank temperature sensor for field supplied solar controls

GAS BACKUP FEATURES

- 96% thermally efficient - 120,000 Btu/hr gas backup burner
- Exclusive designed control system
- Advanced Electronic Controls Provides detailed water heater status information and built in diagnostics, precise temperature control, and built-in diagnostics
- iCOMM™ Compatible gas section can be monitored from remote locations. Call 1.888.WATER02 for more information.
- Complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with Similar Requirements for low NOx emissions
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1
- Conventional power venting or power direct venting
- Vents vertically or through sidewall using 3" or 4" pipe – up to 120 equivalent feet
- Vents using PVC, ABS or CPVC pipe



Model Number	Hi Cube Trailer Load Factor	Gallon Capacity	Recovery Capacity GPH 100°F Rise	Vent Size (inches)	Input Btu/hr	Height (inches)	Diameter (inches)	Approximate Shipping Weight (lbs.)	List Price
SSF100 - 120NE	2.78	100	138	3	120,000	75-1/2	27-3/4	535	\$ 7,822
SSX100 - 120NE	2.78	100	138	3	120,000	75-1/2	27-3/4	568	8,200

Recovery rate shown is for backup gas burner
 Concentric vent kit - Part Number 9006328005
 Electrical characteristics - 120V-60 Hz A.C., 5.0A
 "X" in model number represents model with internal single wall heat exchanger coil
 Optional Condensate Neutralization Kits available - See page 36 for more information
 Add \$80.00 to price for propane gas
 Distributor Rebate Does Not Apply to This Category

Plant of Manufacture: McBee, South Carolina

STANDARD



STORAGE TANKS

5-Year Limited Warranty

Standard Equipment

- Anode rods
- The above listed standard stock tanks (except where noted) are shipped standard with leg sockets for vertical installation, but are also designed and have inlet/outlet openings that allow for horizontal installation. For horizontal installations, optional tank saddles are required (To order tank saddles see options).
- Threaded leg sockets
- Prime coated exterior of alkyd type paint
- The above listed tanks are standard stock tanks with standard openings as listed in the spec sheets and are not available with options such as manholes, special openings, or other tank options (If such options are desired, see State Custom Tanks).

Standard Stock Tanks - 150 PSI

Model Number	Nominal Gallon Capacity	Load Factor Hi Cube Trailer	Overall Length	Diameter (Inches)	Approximate Shipping Weight	Net Distributor Price
UNJACKETED						
UVG 0080 0OVT	80	1.13	62 ¹ / ₈	20	170	\$ 1,116
UVG 0120 0OVT	119	1.75	65	24	287	2,017
UVG 0200 0OVT	200	5.87	72	30	468	3,372
UVG 0350 0OVT	350	6.25	87 ¹ / ₂	36	695	4,728
JACKETED - Vertical Only						
PVG 0080 0OVT - Jacketed-Vertical Only	80	1.74	63	25 ¹ / ₄	236	\$ 1,365
PVG 0120 0OVT - Jacketed-Vertical Only	119	3.00	62	29 ³ / ₈	320	1,431
PVG 0080 0OVTA125	80	1.39 (72 truck)	54 ⁷ / ₈	26 ¹ / ₂	369	2,482
PVG 0120 0OVTA125	120	1.75 (57 truck)	61 ³ / ₄	28	411	2,917
PVG 0200 0OVSA125	175	2.94 (34 truck)	77	32	560	3,717

ASME Construction - 125 PSI

Model Number	Nominal Gallon Capacity	Load Factor Hi Cube Trailer	Overall Length	Diameter (Inches)	Approximate Shipping Weight	Net Distributor Price
UNJACKETED						
UVG 0140 0OVTA125	140	4.35	76 ¹ / ₄	24	368	\$ 3,444
UVG 0200 0OVTA125	200	5.26	72	30	421	3,574
UVG 0250 0OVTA125	250	6.00	84	30	550	4,664
UVG 0350 0OVTA125	350	6.25	87 ¹ / ₂	36	695	5,514
UVG 0400 0OVTA125	400	6.25	97 ¹ / ₈	36	775	6,243
UVG 0500 0OVTA125	500	12.50	88	42	865	7,483
UVG 0500 0OVSA125	500	12.50	73	48	951	8,816
UVG 0750 0OVTA125	750	10.00	105 ⁷ / ₈	48	1287	10,385
UVG 1000 0OVTA125	1000	16.00	137 ³ / ₄	48	1655	12,376

Plant of manufacture: McBee, South Carolina
(Tanks 500 gallon and up: Renton, Washington)



CUSTOM®

STORAGE TANKS

5-Year Limited Warranty

Vertical Round - Insulated Jacketed ASME - 125 PSI

Model Number	Nominal Gallon Capacity	Overall Length	Diameter (Inches)	Approximate Shipping Weight	Net Distributor Price
PVG 0140 0OVTA125	140	87	30	516	\$ 3,986
PVG 0200 0OVTA125	200	83	36	612	4,436
PVG 0250 0OVTA125	250	96	36	900	6,153
PVG 0350 0OVTA125	350	99	42	1080	8,313
PVG 0400 0OVTA125	400	105	42	1282	9,429
PVG 0500 0OVTA125	500	100	48	1369	10,446
PVG 0500 0OVSA125	500	84	54	1526	12,975
PVG 0750 0OVTA125	750	116	54	2395	14,140
PVG 1000 0OVTA125	1000	148	54	3320	17,076

*Only available as two element model.

** Based on Maximum kW input available for single element or two element interlock models.

Plant of manufacture: Renton, Washington

Horizontal Square - Insulated Jacketed ASME - 125 PSI

Model Number	Nominal Gallon Capacity	Overall Length	Diameter (Inches)	Approximate Shipping Weight	Net Distributor Price
PVG 0200 0OHTA125	200	77	36	790	\$ 7,714
PVG 0250 0OHTA125	250	90	36	1000	8,450
PVG 0350 0OHTA125	350	93	42	1370	9,400
PVG 0400 0OHTA125	400	99	42	1476	11,122
PVG 0500 0OHTA125	500	94	48	1448	14,275
PVG 0500 0OHTA125	500	79	54	1540	14,767
PVG 0750 0OHTA125	750	110	54	2575	18,811
PVG 1000 0OHTA125	1000	143	54	3260	24,407

The above listed tanks are standard stock tanks with standard openings as listed in the spec sheets and are not available with options such as manholes, special openings or other tank options (If such options are desired, see State Custom Tanks).

Plant of manufacture: Renton, Washington

CUSTOM[®]

STORAGE TANKS

ASME Construction - 125 PSI Working Pressure
5-Year Limited Warranty

Model Number	Nominal Gallon Capacity	Dimensions (Inches) Diameter x Overall Length	Weight (lbs.)			Net Distributor Price			
			Black Steel	Glasslined Epoxy	Cement	Black Steel	Glasslined	Cement Lined	Epoxy Lined
UGV20 00080 VA125	80	20 x 60	210	210	-	\$2,535	\$2,682	-	-
UGV20 00100 VA125	100	20 x 72	294	294	-	\$2,609	\$2,900	-	-
UGV24 00125 VA125	125	24 x 66	420	366	-	\$3,243	\$3,472	-	-
UGV24 00140 VA125	140	24 x 75	438	422	-	\$3,364	\$3,688	-	-
UGV24 00175 VA125	175	24 x 90	489	494	-	\$3,730	\$4,157	-	-
UGV30 00175 VA125	175	30 x 60	575	469	870	\$4,511	\$4,720	\$6,881	\$6,490
UGV30 00200 VA125	200	30 x 71	657	505	990	\$4,683	\$5,014	\$7,427	\$6,992
UGV30 00250 VA125	250	30 x 84	740	567	1109	\$4,847	\$5,313	\$7,921	\$7,433
UGV30 00300 VA125	300	30 x 99	803	654	1238	\$5,065	\$5,655	\$8,579	\$7,964
UGV36 00250 VA125	250	36 x 60	873	521	984	\$6,293	\$5,459	\$7,709	\$7,489
UGV36 00300 VA125	300	36 x 71	998	613	1121	\$6,572	\$5,705	\$8,621	\$7,947
UGV36 00350 VA125	350	36 x 86	1122	682	1260	\$6,807	\$6,053	\$9,075	\$8,446
UGV36 00400 VA125	400	36 x 93	1198	727	1340	\$7,054	\$6,443	\$9,615	\$8,934
UGV36 00500 VA125	500	36 x 122	1445	869	1616	\$7,965	\$7,509	\$10,769	\$9,931
UGV36 00550 VA125	550	36 x 125	1632	1017	1823	\$9,323	\$7,919	\$11,592	\$10,617
UGV42 00375 VA125	375	42 x 67	1015	765	1299	\$8,138	\$7,335	\$9,722	\$9,129
UGV42 00450 VA125	450	42 x 79	1170	856	1480	\$8,522	\$7,619	\$10,271	\$9,587
UGV42 00500 VA125	500	42 x 88	1325	901	1679	\$8,947	\$7,941	\$10,723	\$9,982
UGV42 00600 VA125	600	42 x 103	1484	1007	1885	\$9,504	\$8,654	\$11,726	\$10,875
UGV42 00700 VA125	700	42 x 119	1875	1098	2202	\$9,865	\$9,216	\$12,545	\$11,599
UGV42 00800 VA125	800	42 x 134	1918	1309	2451	\$12,184	\$9,965	\$13,861	\$12,645
UGV42 00900 VA125	900	42 x 150	2063	1400	2642	\$12,601	\$10,522	\$14,811	\$13,491
UGV42 01000 VA125	1000	42 x 166	2368	1536	3063	\$13,079	\$11,284	\$15,945	\$14,475
UGV48 00500 VA125	500	48 x 73	1590	982	1750	\$10,910	\$8,890	\$11,726	\$11,256
UGV48 00600 VA125	600	48 x 81	1788	1141	1984	\$11,284	\$9,457	\$12,600	\$11,694
UGV48 00700 VA125	700	48 x 93	1987	1275	2216	\$12,131	\$9,824	\$13,341	\$12,286
UGV48 00750 VA125	750	48 x 105	2210	1365	2468	\$12,378	\$10,653	\$13,957	\$12,833
UGV48 00900 VA125	900	48 x 117	2409	1543	2715	\$12,708	\$11,516	\$15,179	\$13,885
UGV48 01000 VA125	1000	48 x 137	2607	1721	3023	\$15,341	\$13,113	\$16,305	\$15,885
UGV48 01250 VA125	1250	48 x 159	3202	2067	3639	\$16,119	\$14,390	\$18,776	\$18,384
UGV48 01500 VA125	1500	48 x 190	3822	2335	4337	\$17,165	\$15,641	\$21,078	\$20,756
UGV48 01750 VA125	1750	48 x 220	4219	2748	4801	\$17,904	\$17,405	\$23,730	\$21,295
UGV48 02000 VA125	2000	48 x 250	4814	3150	5499	\$21,226	\$19,641	\$26,398	\$23,627
UGV54 00650 VA125	650	54 x 71	2110	1149	2061	\$14,620	\$13,468	\$14,967	\$14,749
UGV54 00750 VA125	750	54 x 81	2371	1313	2327	\$15,444	\$14,337	\$16,197	\$15,587
UGV54 00900 VA125	900	54 x 95	2662	1476	2613	\$16,263	\$15,107	\$16,803	\$16,420
UGV54 01000 VA125	1000	54 x 105	2920	1640	2936	\$18,261	\$15,673	\$17,626	\$17,234
UGV54 01250 VA125	1250	54 x 129	3441	1965	3408	\$21,145	\$18,031	\$19,316	\$18,744
UGV54 01500 VA125	1500	54 x 153	3990	2291	3959	\$22,023	\$19,591	\$20,993	\$20,376
UGV54 01800 VA125	1800	54 x 181	4771	2780	4756	\$26,915	\$21,994	\$23,822	\$22,468
UGV54 02000 VA125	2000	54 x 200	5032	2944	5022	\$27,330	\$23,335	\$25,564	\$24,655
UGV54 02500 VA125	2250	54 x 224	5841	3269	5609	\$31,307	\$26,015	\$28,085	\$26,970

NOTE: INSPECTION OPENINGS

Glasslined - Manhole and Handhole Openings are available as optional features.
See Optional Equipment section for price.

Black Steel - One 11" x 15" Manhole standard on 42" diameter and larger.

Cement Lined - One 11" x 15" Manhole standard on 30" diameter and larger.

Epoxy Lined - One 11" x 15" Manhole standard on 30" diameter and larger.

continued

Plant of manufacture: Renton, Washington

CUSTOM®



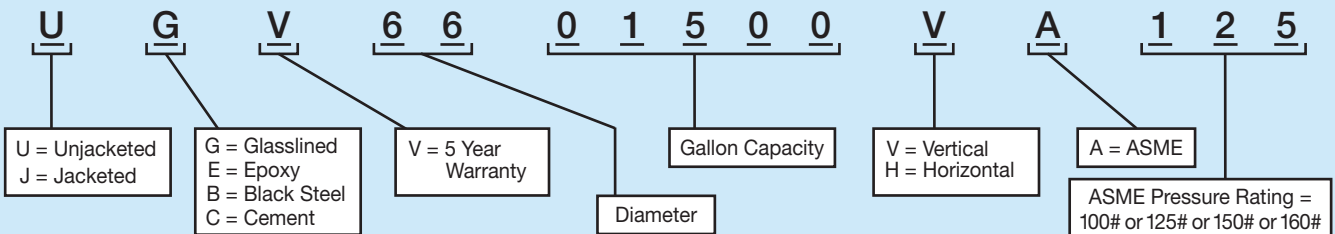
STORAGE TANKS

ASME Construction - 125 PSI Working Pressure
5-Year Limited Warranty

Model Number	Nominal Gallon Capacity	Dimensions Diameter x Overall Length	Weight (lbs.)			Net Distributor Price			
			Black Steel	Glasslined Epoxy	Cement	Black Steel	Glasslined	Cement Lined	Epoxy Lined
UGV60 00800 VA125	800	60 x 72	2234	1679	2509	\$16,624	\$15,105	\$18,128	\$17,276
UGV60 01000 VA125	1000	60 x 88	2668	1971	3011	\$18,971	\$16,501	\$19,787	\$18,704
UGV60 01250 VA125	1250	60 x 107	3277	2401	3706	\$20,456	\$18,526	\$22,070	\$20,508
UGV60 01500 VA125	1500	60 x 126	3567	2589	4101	\$21,915	\$20,227	\$23,386	\$21,891
UGV60 01750 VA125	1750	60 x 146	4076	3036	4712	\$24,355	\$22,736	\$25,661	\$23,949
UGV60 02000 VA125	2000	60 x 165	4754	3415	5432	\$27,332	\$25,303	\$27,854	\$25,841
UGV60 02250 VA125	2250	60 x 185	5044	3657	5740	\$30,050	\$27,904	\$29,312	\$27,665
UGV60 02500 VA125	2500	60 x 204	5625	4069	6411	\$31,986	\$30,493	\$31,556	\$29,550
UGV60 03000 VA125	3000	60 x 243	6810	4654	7774	\$35,407	\$33,930	\$34,230	\$31,944
UGV66 01000 VA125	1000	66 x 75	2670	1839	2808	\$20,733	\$18,451	\$21,494	\$20,153
UGV66 01500 VA125	1500	66 x 107	3796	2585	4011	\$23,324	\$23,088	\$24,640	\$23,730
UGV66 02000 VA125	2000	66 x 139	4920	3332	5184	\$27,868	\$26,865	\$28,734	\$28,704
UGV66 02500 VA125	2500	66 x 171	6011	4080	6388	\$30,773	\$29,049	\$32,629	\$31,676
UGV66 03000 VA125	3000	66 x 203	7137	4827	7592	\$32,660	\$31,248	\$36,380	\$34,081
UGV66 03500 VA125	3500	66 x 235	8263	5573	8794	\$38,866	\$33,535	\$39,597	\$36,153
UGV72 02500 VA125	2500	72 x 147	6134	4036	5800	-	\$27,266	\$33,535	\$28,797
UGV72 03000 VA125	3000	72 x 174	7026	4579	6653	-	\$29,658	\$37,662	\$31,328
UGV72 03500 VA125	3500	72 x 201	8403	5122	7943	-	\$32,207	\$40,746	\$34,294
UGV72 04000 VA125	4000	72 x 228	9741	5937	9238	-	\$35,054	\$43,762	\$37,023
UGV72 04500 VA125	4500	72 x 254	10671	6481	10124	-	\$37,931	\$47,973	\$40,067
UGV72 05000 VA125	5000	72 x 281	12455	7025	11754	-	\$40,156	\$50,899	\$42,406
UGV84 04000 VA125	4000	84 x 173	9418	6258	9093	-	\$41,166	\$49,209	\$43,479
UGV84 05000 VA125	5000	84 x 212	11775	7781	11354	-	\$46,997	\$56,829	\$49,637
UGV84 06000 VA125	6000	84 x 252	13509	8922	13063	-	\$54,909	\$63,980	\$58,036
UGV84 08000 VA125	8000	84 x 330	17647	11584	17070	-	\$65,608	\$78,743	\$69,295
UGV96 07500 VA125	7500	96 x 244	15753	11621	16090	-	-	\$86,016	\$76,052
UGV96 10000 VA125	10000	96 x 319	20538	15171	20950	-	-	\$107,084	\$94,694
UGV96 12500 VA125	12500	96 x 395	24500	18213	24892	-	-	\$127,714	\$112,800

+Epoxy only. (-) Models not available.
Please contact State Water Heaters Customer Service for pricing options not listed on the price page.

Custom Commercial Storage Tank Model Number Break Down



SPECIAL NOTE: All model numbers appearing on rating plate and carton labels will be compressed.

EXAMPLE: UGV6601500VA125



CUSTOM[®]

STORAGE TANKS ADDER - For Factory Jacket and Insulation

The following prices are adders for Factory Jacketed & Insulation through 2000 gallon capacity (for tanks larger than 2,000 gallons, consult factory).

Vertical

Vertical Gallon Capacity	Additional Weight	Net Distributor Price
80-125	148	\$ 668
140-175	191	908
200-300	244	1,214
350-375	260	2,228
400-450	709	3,381
500-700	813	4,746
750-900	1665	6,623
1000-1250	1976	8,284
1500	2165	9,484
1750-2000	2620	11,366

Horizontal

Horizontal Gallon Capacity	Additional Weight	Net Distributor Price*
200-300	515	\$ 2,546
350-375	550	3,150
400-450	675	3,961
500-700	1288	5,444
750-900	1605	7,526
1000-1550	2030	9,332
1500	2290	10,881
1750-2000	2942	12,221

*Horizontal pricing includes saddles

OPTIONAL EQUIPMENT AND CONSTRUCTION

Tanks Saddles

Part Number	Tank Diameter (Inches)	Weight (lbs.) Pair	Net Distributor Price
9500007145	20	29	\$ 277
9500007146	24	33	281
9500007147	30	76	300
9500007149	36	123	353
9500007150	42	140	384
9500007152	48	154	420
9500007155	54	337	830
9500007157	60	367	914
Consult Factory	96	962	1,266

Tank Saddles are sold in pairs only. Pricing shown is for one pair.

Leg and Ring Bases

Tank Diameter (Inches)	Angle Iron* Legs w/Pads (4)	Ring Base
	Net Distributor Price	
20	\$ 104	\$ 135
24	104	135
30	104	135
36	147	186
42	147	186
48	161	186
54	161	381
60	279	381
66	279	381
72	N/A	473
84	N/A	473
96	N/A	473

Description	Approximate Shipping Weight	Net Distributor Price
Inspection Openings		
2" Threaded Opening	-	\$ 99
4 x 6 Handhole	7	196
11" x 15" Manhole	90	633
Lifting Lugs (per pair)	-	60
ASME 150-PSI Tank Construction - Adder		
80 thru 500 gallons	-	\$ 215
550 thru 900 gallons	-	261
1000 thru 3000 gallons	-	635

Consult factory for 72" diameter and larger.

PUMP MATE®



DIAPHRAGM PUMP TANKS PRE-PRESSURIZED FREE STANDING 5-Year Limited Warranty

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SPMD 14	100	15 ³ / ₈	24 ³ / ₄	.07	24	\$ 176
SPMD 20	100	15 ³ / ₈	32 ³ / ₄	.10	34	151
SPMD 31	100	15 ³ / ₈	45 ¹ / ₂	.21	40	223
SPMD 36 S	100	20	32 ⁵ / ₈	.20	45	238
SPMD 52	100	23 ³ / ₈	38 ⁵ / ₈	.34	77	343
SPMD 86	100	23 ³ / ₈	59	.53	100	459
SPMD 96	100	23 ³ / ₈	63 ³ / ₈	.60	110	503
SPMD 119	100	26	61 ¹ / ₄	1.00	161	631

IN-LINE SERIES 5-Year Limited Warranty

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SPMDI 2	100	8 ¹ / ₄	10 ³ / ₁₆	.01	5	\$ 61
SPMDI 5	100	11	14 ³ / ₄	.01	9	85
SPMDI 7	100	11	21 ¹ / ₁₆	.03	12	139
SPMDI 14	100	15 ³ / ₈	21 ³ / ₄	.07	22	156

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

PUMP MATE®



HORIZONTAL DIAPHRAGM PUMP TANKS PRE-PRESSURIZED 5-Year Limited Warranty

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Length (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
SPMDH 7	100	11	12 ⁷ / ₈	21 ¹ / ₁₆	.03	12	\$ 125
SPMDH 14	100	15 ³ / ₈	17 ³ / ₄	21 ³ / ₄	.07	26	220
SPMDH 20	100	15 ³ / ₈	17 ³ / ₈	27 ⁷ / ₈	.10	30	238

PUMP TANK ACCESSORIES

Part Number	Description	Net Distributor Price
9000693005	Universal Motor Mount Bracket	\$ 17

Place order for the above parts with the Parts Department at 800-821-2017

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

NEPTUNE®



GLASSLINED STORAGE TANKS

3-Year Limited Warranty

■ Precharge 38 PSI

Model Number	Gallon Capacity	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
G 42 T4	42	16	51¼	.20	82	\$ 167
G 42 S4	42	20	35⅞	.20	95	178
G 82 4	82	20	62¼	.60	120	286
G 120 4	120	24	62½	.75	160	371

GALVANIZED STORAGE TANKS

1-Year Limited Warranty

■ NSF-61-G Approved

Model Number	Gallon Capacity	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
Z 12	12	12	26½	.01	27	\$ 139
Z 21	21	16	27	.10	45	146
Z 32	32	16	38¾	.10	52	156
ZT 42	42	16	51	.15	71	165
ZS 42	42	20	33¾	.20	71	176
Z 82	82	20	63	.30	114	262
Z 120	120	24	64½	.75	154	346
Z 220	220	30	78	1.25	303	834
Z 315	315	36	79½	1.50	416	1,118
*Z 480 S	480	42	87	2.50	640	1,470
*ZU 525	525	36	128	5.56	685	1,604
ZU 900	900	42	159	16.66	1040	3,098

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

THERM-O-FLEX™

EXPANSION TANKS

For Residential Space Heating

(Not for use with Potable Water Heating Systems)

1-Year Limited Warranty



■ In-Line Series

■ 1/2" NPT Connection, 12 PSI Air Charge which can be field adjusted

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ET 2	100	8 $\frac{1}{4}$	10 $\frac{3}{16}$	.01	5	\$ 35
ET 5	100	11	14 $\frac{3}{4}$	.01	9	43
ET 7	100	11	21 $\frac{1}{16}$	.03	12	80
ET 14	100	15 $\frac{3}{8}$	21 $\frac{3}{4}$	.07	22	108

EXPANSION TANKS - COMBINATION UNITS

For Residential Space Heating

(Not for use with Potable Water Heating Systems)

1-Year Limited Warranty



■ Includes Expansion Tank (same as above)

■ Air Separator & Air Vent (same as above)

■ 1/2" NPT Connection, 12 PSI Air Charge which can be field adjusted

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ET 2V 1	100	8 $\frac{1}{4}$	20 $\frac{1}{16}$	.01	10	\$ 52
ET 2V 2	100	8 $\frac{1}{4}$	20 $\frac{1}{16}$	.01	10	52
ET 5V 1	100	11	25 $\frac{1}{8}$	.01	13	61
ET 5V 2	100	11	25 $\frac{1}{8}$	.01	13	61
ET 7V 1	100	11	31 $\frac{3}{8}$	.03	16	96
ET 7V 2	100	11	31 $\frac{3}{8}$	.03	16	96

EXPANSION TANKS

For Commercial Space Heating

(Not for use with Potable Water Heating Systems)

1-Year Limited Warranty

■ Free Standing Series

■ 1/2" NPT Connection, 12 PSI Air Charge which can be field adjusted

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ET 15	100	15 $\frac{3}{8}$	24 $\frac{3}{4}$	.07	25	\$ 125
ET 20	100	15 $\frac{3}{8}$	32 $\frac{3}{4}$	.01	32	135
ET 36 S	100	20	32 $\frac{5}{8}$	.20	45	182
ET 52	100	23 $\frac{3}{8}$	38 $\frac{5}{8}$	.34	80	338
ET 86	100	23 $\frac{3}{8}$	59	.53	100	421

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

WATERGUARD™



EXPANSION TANKS For Potable Water

IAPMO APPROVED

5-Year Limited Warranty

- In-Line Series, 3/4" MPT
- 140°F Temperature Maximum
- Air Charge 38 PSI (field adjustable)
- Plastic Lined

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ETC 2 X	150	8¼	10 ³ / ₁₆	.01	5	\$ 49
ETC 5 X	150	11	14¾	.01	9	64
ETC 10 X	150	15 ³ / ₈	15¾	.01	20	136

EXPANSION TANKS For Potable Water

5-Year Limited Warranty

- In-Line Series, models ETC 7; ETC 14, 3/4" MPT
- Free Standing Series, models ETC 15 to ETC 36, 1" FPT
- ETC 52 to ETC 86 1-1/4" FPT
- 140°F Temperature Maximum
- Air Charge 38 PSI (field adjustable)
- Plastic Lined

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
ETC 7	100	11	21 ¹ / ₁₆	.03	12	\$ 107
ETC 14	100	15 ³ / ₈	21¾	.07	24	155
ETC 15	100	15 ³ / ₈	24¾	.07	25	163
ETC 20	100	15 ³ / ₈	32¾	.14	32	196
ETC 36 S	100	20	32 ⁵ / ₈	.20	45	249
ETC 52	100	23 ³ / ₈	38 ⁵ / ₈	.34	80	345
ETC 86	100	23 ³ / ₈	59	.53	100	473

EXPANSION TANKS For Potable Water

1-Year Limited Warranty

- 140°F Temperature Maximum
- Air Charge 38 PSI (field adjustable)
- Plastic Lined
- IAPMO Approved

Model Number	PSI Working Pressure	Diameter (Inches)	Height (Inches)	Loading Percent 53'	Approximate Shipping Weight	Net Distributor Price
TW-5	150	8¼	10 ³ / ₁₆	.01	5	\$ 28
TW-12	150	11	14¾	.03	9	37

THERM-O-FLEX™

AIR VENTS & SEPARATORS

Part Number	Description	Weight (lbs.)	Net Distributor Price
9000672005	Float Type Air Vent (12 units per package)	4.0	\$ 59

Please order air vent and air separators by part number.

- Pump and Expansion Tanks **DO NOT** qualify for the unloading allowance.
- Pump and Expansion Tanks **DO** qualify for **total** truckload volume.

RESIDENTIAL

Understanding Residential Gas Water Heater Model Nomenclature

G S - X - 5 0 Y R R - T - 5 D - - - -

G P - 6 - 4 0 C B D - S - D - - - -

MODEL NAME
GP = Premier
GS = Select

CAPACITY
100 gallon
75 gallon
65 gallon
50 gallon
40 gallon
30 gallon

GAS TYPE
X = Natural
C = Propane
Y = Natural
H = Propane
U = Nat. Ultra-Low NOx

STYLE
R = Round
L = Lowboy
M = Mfg. Housing
D = Direct Vent
V = Power Vent
C = Thick Cavity
P = DV/PV

HEIGHT/WIDTH
T = Tall
S = Short

ADDERS
D = High Altitude
W = Heat traps
2 = 2" Foam
5 = 5" Flue
Listed Alphabetical Order

WARRANTY
X = 10 Year
6 = 6 Year
5 = 5 Year
V = 5 Year
3 = 3 Year
1 = 1 Year
I = 1 Year

SERIES
B = High Input
O = Standard
R = Max. Output
H = Mfg. Housing
X = 85+ Tank
C = Power Vent

SPECIALTY
E = Electronic Ignition
D = DV-Mfg. Housing or DV/PV
I = Electronic Ignition

SPECIAL NOTE: All model numbers appearing on rating plate and carton labels will be compressed.
EXAMPLES: GS640YOCTD; GPX40YXRS

Understanding Residential Electric Water Heater Model Nomenclature

E P - X - 4 0 D X R - T - - - - *

E S - 6 - 4 0 S O M - S - E - - - - *

MODEL NAME
SC = Mfg. Housing
EP = Electric Premier
ES = Electric Select
Some model numbers start in warranty position.

CAPACITY
120 gallon
82 gallon
80 gallon
66 gallon
55 gallon
52 gallon
50 gallon
40 gallon
30 gallon
20 & etc.

NUMBER OF ELEMENTS
S = Single
D = Double

STYLE
R = Round
L = Lowboy
M = Junior
T = Table Top
C = Utility Model
D = Dairy
U = Point-Of-Use

HEIGHT/WIDTH
T = Tall
S = Short
1 = 21" (TT)
4 = 24" (TT)

ADDERS
B = 480 Volt
E = 240 Volt
G = Top T&P Models
K = 120 Volt
PP = Premium Component Package
W = Heat traps
X = 208 Volt
Y = 277 Volt
Listed Alphabetical Order

WARRANTY
X = 10 Year
6 = 6 Year
5 = 5 Year
V = 5 Year
3 = 3 Year
1 = 1 Year
I = 1 Year

SERIES
O = State Select
S = State Select POU
H = Mfg. Housing
X = Premier

SPECIALTY
(future use)

*Note: Some models have Engineering Series Numbers at the end

SPECIAL NOTE: All model numbers appearing on rating plate and carton labels will be compressed.
EXAMPLES: ESX52DORT; EPX40DXRTX

REFER TO PAGE 5 FOR ORDERING INFORMATION.

Commercial Stocking Discount Program

Qualifying Models:

SBS	SDV	GPO	UVG 05000 OVTA 125	PVG 00800 OVT jacketed, 00800 OVTA 125
SBD	SUF	CSB	UVG 05000 OVSA 125	PVG 01200 OVT jacketed, 01200 OVTA 125
SBN	GPG	PCE	UVG 00800-3500 OVT	PVG 02000 OVTA 125, 02000 OVSA 125
SHE	GPV		UVG 01400-04000 OVTA 125	

Inventory Commitment:

Contact your local State Water Heaters Sales Representative for program details.

Freight Expenses & Handling Charges: All qualifying models shipped from our factory locations will be shipped FFA. A fixed handling charge will be assessed as follows:

<u>Order Quantity</u>	<u>Handling Charges</u>
1 or 2 units	\$100 per unit
3, 4 or 5 units	\$75 per unit

Freight will be charged on all orders shipped from warehouse locations. No handling charges will be assessed.

Commercial Quick Ship Program

No Freight Allowed

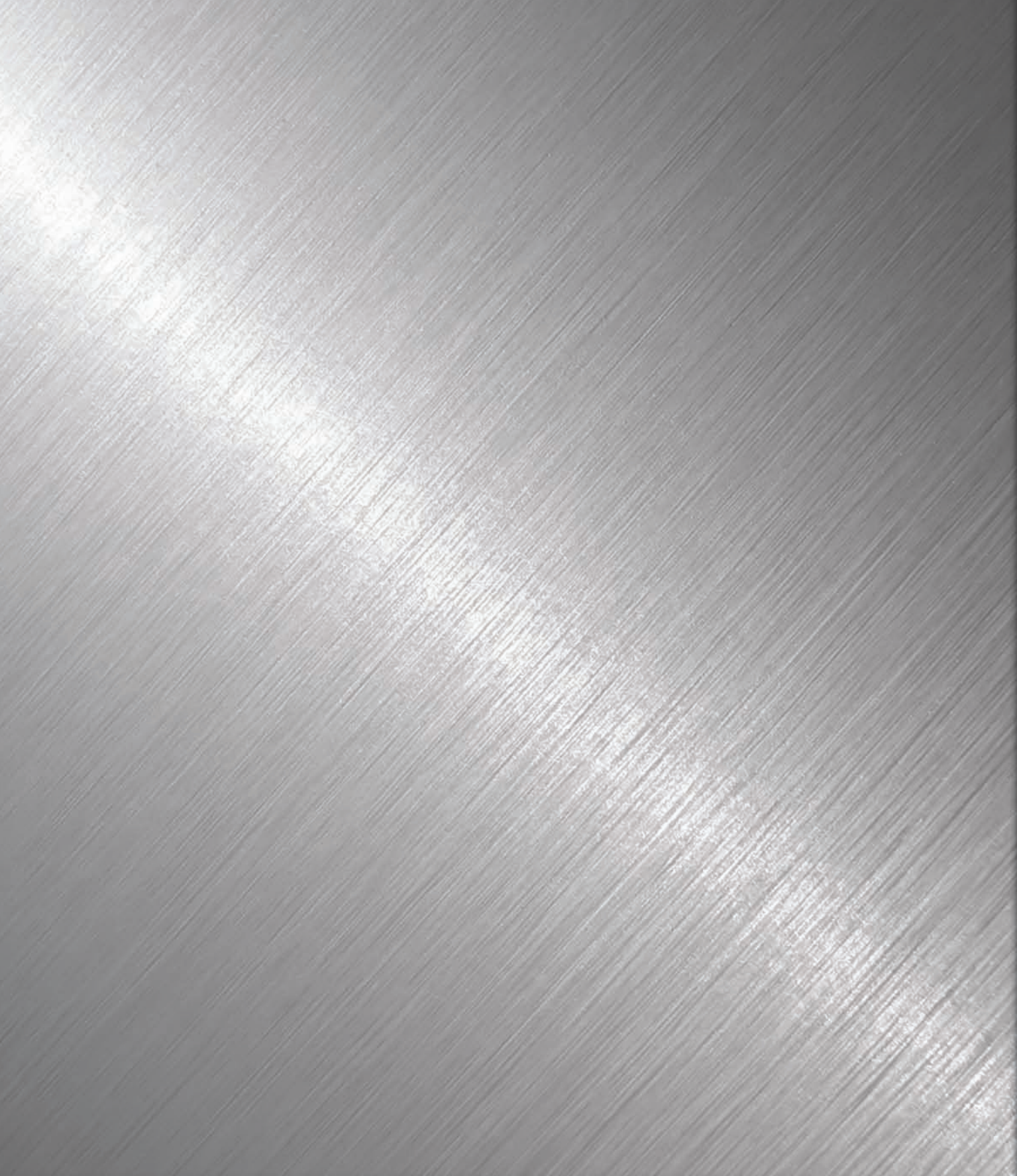
Contact customer service for product availability and questions on shipping charges.

<u>Order Quantity</u>	<u>Handling Charges</u>
1 or 2 units	\$100 per unit
3, 4 or 5 units	\$75 per unit

Available Products:

SUF60 120	SBD85 365 (A)	SBN85 310NE	PCE6 1OMSA	PVG 0080 OVT
SUF100 150	SBD100 390 (A)	SBN85 310NE(A)	PCE10 1OMSA	PVG 01200 OVT
SUF100 199	SBD85 500 (A)	SBN85 366NE	PCE17 1OMSA	PVG 02000 OVSA125
SUF100 250 (A)		SBN85 366NE(A)	PCE20 1OMSA	PVG 01200 OVTA125
SUF130 300 (A)	SBN71 120NE	SBN85 390NE	PCE30 2OLSA	PVG 02000 OVTA125
SUF130 400 (A)	SBN81 154NE	SBN85 390NE(A)	PCE40 2OLSA	UVG 02500 OVTA125
	SBN100 180NE		PCE50 2OLSA	
SBD71 120	SBN100 199NE	SUF130 500(A)	PCE30 2ORTA	
SBD81 154	SBN100 200NES		PCE40 2ORTA	
SBD81 180	SBN100 200NES(A)	SHE50 76 NE	PCE52 2ORTA	
SBD81 199	SBN100 250NE		PCE66 2ORTA	
SBD100 199 (A)	SBN100 250NE(A)	CSB 52	PCE82 2ORTA	
SBD100 250 (A)	SBN100 275NE	CSB 82	PCE120 2ORTA	
SBD65 251 (A)	SBN100 275NE(A)	CSB 120		
SBD100 275 (A)				
SBD65 305 (A)				

(A) indicates ASME model included in program.
 Natural gas models only
 CSB standard tank construction only
 CSB and PCE models available in all listed kW's and voltages
 Maximum of 5 units



WWW.STATEWATERHEATERS.COM

SMBPB00308 May 2012

Printed in the U.S.A.

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