

**FULL LINE
PRODUCT
POCKET CATALOG**



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Solid. State.

about State Water Heaters

State Water Heaters, a brand of State Industries, Inc., is a leading manufacturer of commercial and residential water heaters. State offers 500 water heater products, and has consistently developed new technologies to maximize product life. Based in Ashland City, Tennessee, State has seven water heater manufacturing plants. Hundreds of distribution centers across the United States ensure efficient service to State's national customer base of residential homeowners, wholesalers, contractors, and other members of the engineering community. All State products are backed by solid customer technical support and durable tank and parts warranty.

HISTORY

In 1946, State Water Heaters was founded by Herbert Lindahl, Sr. as a small entrepreneurial company producing coal and wood-burning stoves in a garage in Nashville, Tennessee. In the years that followed, State expanded and became a leader in the water heating industry, through steadfast commitments to seeking new materials, new technology and innovative engineering techniques.

Landmark moments in State's proud history include:

- 1948** | State produces its first electric water heater.
- 1954** | State expands product lines and manufactures first gas-fired water heaters.
- 1956** | State manufactures its first welded-steel galvanized tanks.
- 1957** | State produces its first porcelain glass-lined tanks; the basic design feature is still in use today.
- 1979** | State is granted US patents for their Sandblaster® commercial water heater design, which reduces sediment and scale in the tank. State is also first to use foam insulation to line the space between the tank and the jacket of the water heater.
- 1996** | State is the world's largest water heater manufacturer with over 2,900 employees and average daily production of over 10,000 units. The company introduces a complete new product line that includes the Premier® and Select® models.

State offers more ways to bring hot water home.

Gas, Electric, Hybrid, large or small, there is a State Water Heater that's right for any size family. For more than six decades, the State brand has stood for quality and value, and for providing all the choices you need...

- High efficiency for long-term value and energy cost savings
- High hot water output for large families
- Special models for special needs



CODES AND STANDARDS

Code compliance: Meets the Federal Energy Efficiency standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992 and meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1 and current edition of ICC Codes and Standards.



All State residential gas water heaters are design-certified by CSA International according to ANSI Z21.10.1 - 10.3 - CSA 4.1 - 4.3 CSA Standards governing storage-type water heaters.



This mark shown on a plumbing product signifies certification to California's legislation AB 1953 and Vermont's legislation Act 193 that limits the lead content in plumbing fixtures that come in contact with a maximum of 0.25% lead.



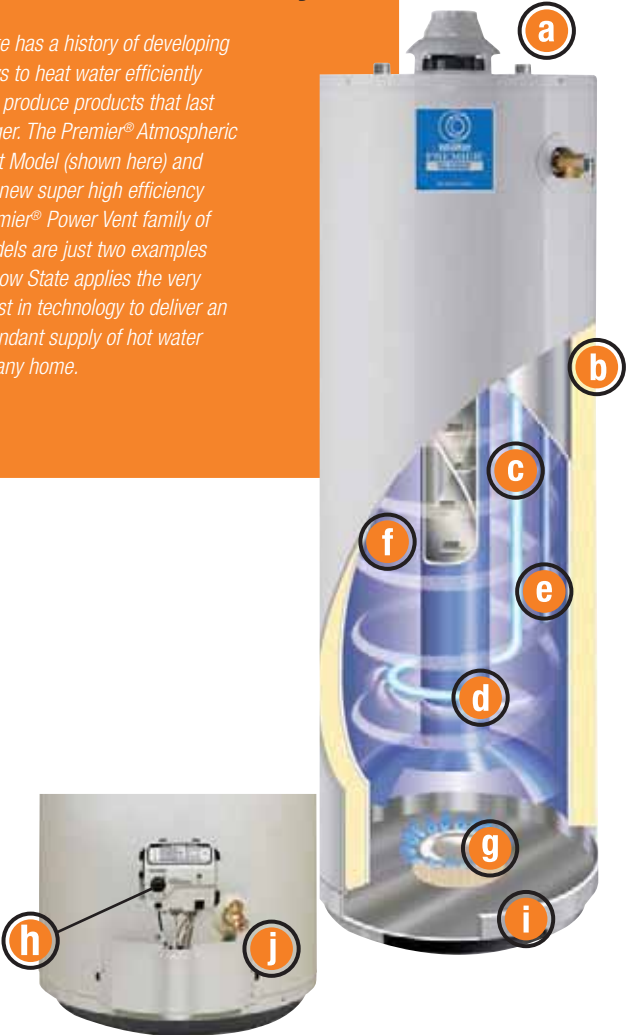
All State residential electric water heaters are UL Listed according to safety specifications outlined in Underwriters Laboratories, Inc. Standards for Safety (UL 174).



State offers a wide variety of models that are ENERGY STAR® qualified. Learn more at www.energystar.gov

State-of-the Art Residential Durability.

State has a history of developing ways to heat water efficiently and produce products that last longer. The Premier® Atmospheric Vent Model (shown here) and the new super high efficiency Premier® Power Vent family of models are just two examples of how State applies the very latest in technology to deliver an abundant supply of hot water for any home.



PREMIER® ATMOSPHERIC VENT GAS WATER HEATER

a. Energy-Saving Silencer™ Heat Traps

Keep energy from escaping during “standby” periods. Factory-installed on most models.

b. Environmentally Friendly Non-CFC Foam Insulation

Superior protection against standby heat loss.

c. PEXAN™ Cross-Linked Polymer Dip Tube

d. Self-Cleaning Turbo Coil™ Dip Tube

Prolongs tank life and maintains energy efficiency. It directs incoming cold water to create turbulence that reduces sediment buildup in the tank.

e. Heavy-Duty Anode Rod with Steel Core

Protects glasslined tank from rust and corrosion.

f. Blue Diamond® Glass Coating

All State Residential models are equipped with the ultimate protection against rust and corrosion. Blue Diamond glass coating provides superior corrosion resistance compared to industry-standard glass lining.

g. Eco-Friendly Green Choice® Gas Burner

Standard on all State gas water heaters, reduces NOx emissions by 33% compared to standard burners, complies with regional requirements.

h. Easy-to-Light Piezo Ignitor

Fast “one-hand” pilot ignition. Standard on all Atmospheric models.

i. Flammable Vapor Ignition Resistant (FVIR) Gas Water Heater Design

Meets ANSI Z21.10.1-CSA 4.1 standards dealing with the ignition of flammable vapors outside the water heater. Exclusive flame arrestor protects in the event of a flammable vapor incident.

j. Durable, Tamper-Resistant Brass Drain Valve



State Brings you the Contractor Rewards Program

**Earn points by purchasing State
Water Heaters.**

It's free and easy to participate.

Enroll online at contractorrewards.com.

*Eligible products will have a yellow reward code label worth
valuable points. Two ways to enter the codes:*

1. Download the smartphone app and scan the code

2. Enter the code at contractorrewards.com

Redeem your points on thousands of reward items.

*With over 300,000 merchandise items, your reward
choices are endless.*



Your company
listed here



**CONTRACTOR
REWARDS.COM**
Your Business. Your Choices. Your Rewards.

STATE PROVIDES **6 KEY THINGS** TO HELP GROW YOUR BUSINESS AND BECOME MORE PROFITABLE.

1. Contractor Locator

A new online locator that drives thousands of consumers from our websites right to our loyal contractors.

2. Contractor Advertising Tools

Our Dealer Marketing Resource Center allows contractors to develop an easy, affordable and custom advertising campaign to promote their business.

3. Breadth of Product Line

Residential or Commercial, we have the most complete line from Standard models...to the most innovative high efficiency water heaters available.

4. Product Sales Tools

We provide contractors access to the sales tools needed to close more sales.

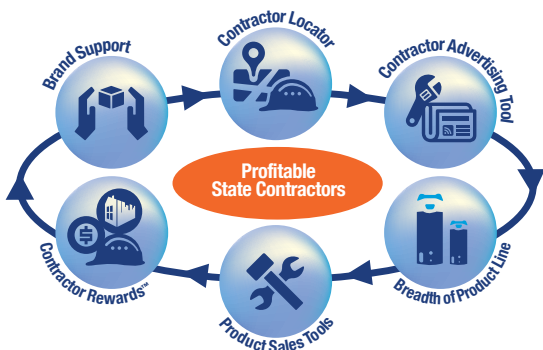
5. Contractor Rewards™ Program

Our program rewards our loyal contractors for buying our products. Buy more & get rewarded with prizes and higher status on our contractor locator.

6. Brand Support

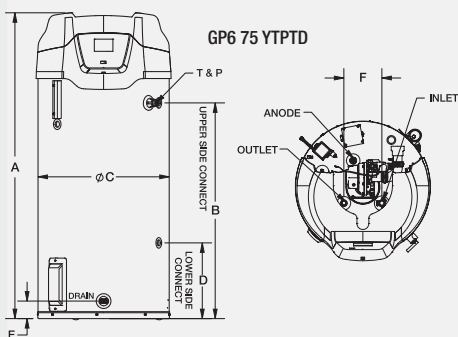
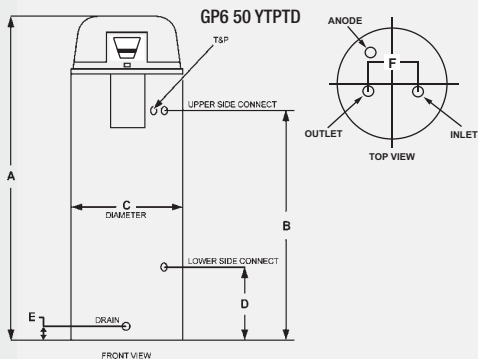
Marketing investment in our brands drive consumers to recognize our name, visit our websites, locate local contractors and request our products.

* To be listed on the Contractor Locator you must meet the minimum threshold of codes entered at ContractorRewards.com



PREMIER® POWER DIRECT VENT

96% Thermal Efficiency, Continuous Hot Water †, 50-gallon /100,000 BTU Design, Power Direct Vent Design, Natural Gas & Propane, Advanced Electronic Control



MODEL NUMBER	BTU INPUT PER HOUR	TANK SIZE GALLONS	1ST HOUR DELIVERY GALLONS	RECOVERY GALLONS PER HOUR @ 90°F RISE
GP6 50 YTPTD	100,000	50	164	129
GP6 75 YTPTD	100,000	75	182	129

Top inlet and outlet: 3/4" male NPT

Side inlet and outlet: 3/4" female NPT

Gas inlet: 1/2" NPT

Manifold Pressure: 4.0 inches w.c. (.99kPa); All models-Maximum Supply Pressure:

14 inches w.c. (3.48 kPa) Minimum Supply Pressure Natural Gas: 3.5 inches w.c. (.87 kPa).

Minimum Pressure Propane: 8.0 inches w.c. (1.99 kPa). Minimum Pressure must be maintained under both load and no-load (static and dynamic) conditions.

When ordering propane, change the "Y" to "H" in the model number (GP6 50HTPTD)

Maximum vent distances: Using 2" PVC pipe: 45 equivalent feet
Using 3" PVC pipe: 128 equivalent feet

† 4.3 GPM continuous flow, based on 65°F inlet water temperature and 110°F outlet water temperature.



iComm™ compatible and can be monitored from remote locations.

Call 1.888.WATER02 for more information.

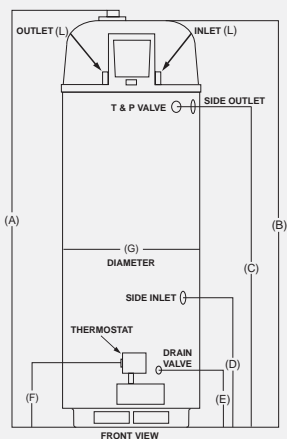
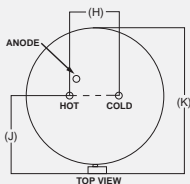
- ENERGY STAR® Qualified
- Advanced electrical control provides large LCD display, precise temperature control & advanced diagnostics
- iCOMM™ compatible and can be monitored from remote locations. Call 1-888-WATER02 for more information.
- Fully submerged helical coil heat exchanger produces 96% thermal efficiency - Top-fired Burner
- 100,000 BTU input results in 164 gallon first hour delivery, 129 GPH recovery
- Power direct vent capabilities up to 128 equivalent feet
- Concentric vent capable - Kit # 9006328005
- Vents using Installer-Friendly PVC, CPVC, and ABS pipe
- Side-mounted recirculating taps for “combination” systems
- Durable, tamper-resistant brass drain valve
- Heavy-duty dual anode rods
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

						APPROXIMATE SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F	
66-3/4	49-1/4	22	15-3/4	3	8	255
64-3/4	45-5/8	27-3/4	16	3-3/4	8	382



PREMIER® POWER VENT

90% Thermal Efficiency, Continuous Hot Water †, 50-Gallon /76,000 BTU,
Power Vent Design



MODEL NUMBER	1 st HOUR DELIVERY GALLONS	GAL. CAP.	BTU INPUT PER HOUR	RECOVERY GALLONS PER HOUR @ 90°F RISE
GP6 50 YTVIT	127	50	76,000	92

Recoveries are rounded to nearest gallon

Water Connections – 3/4" male

Available in natural gas only

Maximum vent distances:

Using 2" PVC pipe: 25 equivalent feet

Using 3" PVC pipe: 65 equivalent feet

Using 4" PVC pipe: 128 equivalent feet

† 3.05 GPM continuous flow, based on 65°F inlet water temperature and 110°F outlet water temperature.

Available in natural gas only.

- ENERGY STAR® Qualified
- Fully submerged helical coil heat exchanger produces 90% thermal efficiency
- 76,000 BTU input results in 127-gallon first hour delivery, 92 GPH recovery
- Power-vent capabilities up to 128 equivalent feet
- May be vented using 2," 3" or 4" Installer-Friendly PVC , CPVC and ABS pipe
- Concentric vent capable - Kit # 9006328005
- Side-mounted recirculating taps for "combination" systems
- Intelli-Vent™ gas control valve with silicon nitride hot surface ignitor
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Aluminum anode rods provide added protection (magnesium anode rods on high-input models)
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- CSA Certified ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES										APPROX. SHIPPING WEIGHT (LBS.)
A*	B	C	D	E	F	G	H	I	J	
70-5/8	68-1/4	52	21	9-1/8	12	22	8	15-3/4	27	210

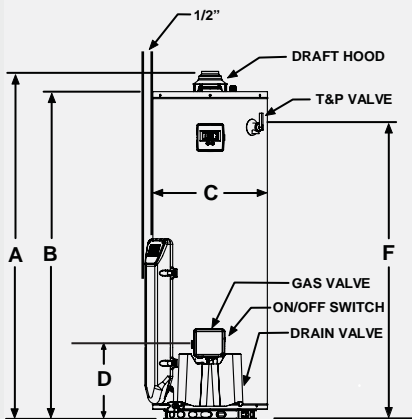
*Height to top of blower outlet

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

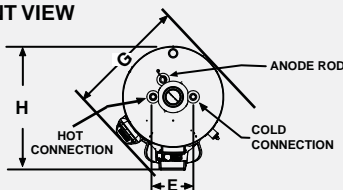


PREMIER®

High Efficiency, Atmospheric Gas



FRONT VIEW



TOP VIEW

MODEL NUMBER	SERIES	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	1ST HOUR RATING GALLONS
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TALL MODELS

GP6 40 YPCT	102	.70	40	40,000	43	70
GP6 50 YPCT	100	.70	50	40,000	43	81

Recovery capacity based on actual performance tests.

Water Connections – 3/4" on all models.

Not available in LP gas (propane).

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

- ENERGY STAR® Qualified

- Exclusive, patented pressurized combustion chamber with an advanced air intake blower delivers superior efficiency

- .70 Energy Factory (EF) - most efficient atmospheric gas product on the market.

- Installer-friendly design - easy replacement of standard atmospheric vent heaters

- Electronic ignition

- LCD user interface - eye level display

- Powered Anode Rod

- Diffuser Dip Tube

- Green Choice® Gas Burner

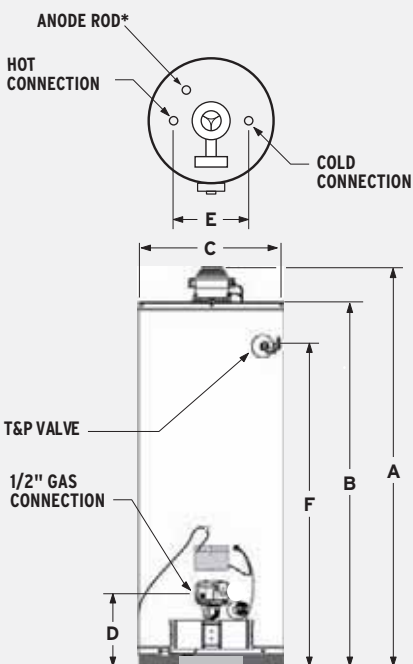
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES								DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F	G	H		
61-3/4	58	20	13-1/4	8	51-1/2	23-1/4	25	3 or 4	157
60-5/8	57-1/8	22	13-1/4	8	50-1/2	25-1/4	27	3 or 4	171



HIGH EFFICIENCY

Residential Gas - Automatic Flue Damper



MODEL NUMBER	SERIES	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	1st HOUR RATING GALLONS
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TALL MODELS

GS6 40 YBFT	100	.67	40	40,000	42	67
GS6 50 YBFT	100	.67	50	40,000	42	81

SHORT MODEL

GS6 40 YBFS	100	.67	40	40,000	42	67
GS6 50 YBFS	100	.67	50	40,000	42	86

Recovery capacity based on actual performance tests.

Water Connections – 3/4" on all models.

Certified for installations from sea level up to 10,100 ft. elevations.

GS6 50 YBFS only available in Natural Gas

- ENERGY STAR® Qualified - Meets ENERGY STAR requirements for the .67 EF tier II efficiency increase that was initiated September 1, 2010 and is eligible for most utility rebate programs based on Energy Factor (EF) Ratings
- Electronic Gas Control
- Diagnostics
- Electronic ignition
- Power Requirements
- Diffuser Dip Tube
- Green Choice® Eco-Friendly Gas Burner
- Durable, Brass Tamper-Resistant Drain Valve
- FVIR Gas Water Heater Design
- 6-year limited tank and parts warranty

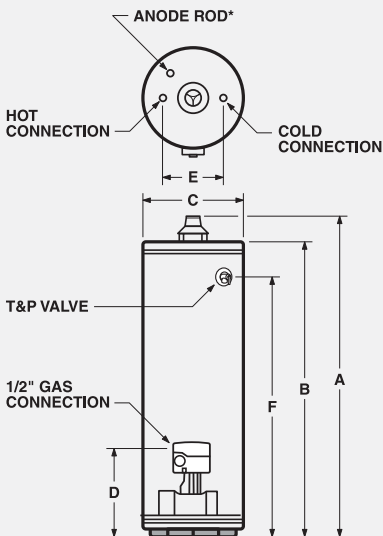
DIMENSIONS IN INCHES						FOAM THICKNESS	DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F			
64-1/2	58-1/4	20	13	8	51-3/4	2	3 or 4	152
63-1/2	57-1/4	22	13	8	50-1/4	2	3 or 4	167
54	47-3/4	22	13	8	41	2	3 or 4	149
55-3/4	49-1/2	24	13-1/4	8	42-1/2	2	3 or 4	175



PREMIER®

Residential Gas, Self-Cleaning

*Location for optional top-mounted T&P Valve, if ordered from factory. To order, add "G" to model number (GPX 40 YXRT G).



MODEL NUMBER	SERIES	1 ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE
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TALL MODELS

GPX 40 YXRT	300/301	70	.63	40	40,000	41	16
GPX 50 YXRT	300/301	88	.62	50	40,000	41	16

Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

† Propane Gas – 36,000 BTU input

When ordering Propane, change "Y" to "H" in model number (GPX 40 HXRT)

When ordering top-mounted T&P Relief Valve, add "G" to model number (GPX 40 YXRT G)

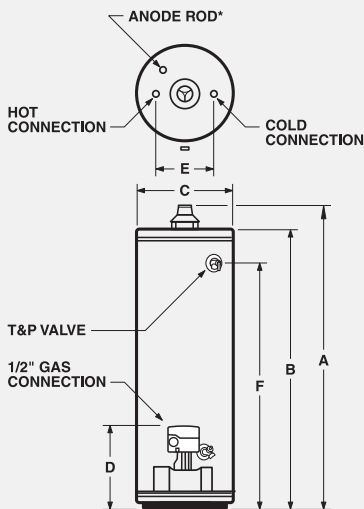
- With energy factors up to .63, this special high-efficiency design, features energy-saving Silencer™ heat traps (3/4" male connections) & 2"-thick foam insulation
- Self-cleaning Turbo Coil™ dip tube, made from PEXAN™ cross-linked polymer
- Blue Diamond® glass coating – provides superior corrosion resistance compared to industry-standard glass lining
- 40,000 BTU input on all models
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Heavy-duty magnesium anode rod
- FVIR gas water heater design
- Easy-to-light Piezo ignitor
- Durable, tamper-resistant brass drain Valve
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 10-year limited tank and parts warranty

DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F		
61-3/4	58-1/4	20	13	8	51-3/4	3 or 4	150
61	57-1/4	22	13	8	50-1/4	3 or 4	165



SELECT® HIGH EFFICIENCY

*Location for optional top-mounted T&P Valve, if ordered from factory. To order, add "G" to model number (GS6 40 YOCT G).



MODEL NUMBER	SERIES	1 ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE
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TALL MODELS

GS6 30 YOCT	300/301	67	.62	30	35,500	36	16
GS6 40 YOCT	300/301	70	.62	40	40,000	41	16
GS6 50 YOCT	300/301	88	.62	50	40,000	41	16

SHORT MODEL

GS6 40 YOCS	300/301	67	.62	40	40,000	41	16
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Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

† Propane Gas – 37,000 BTU input for 50-gallon, 36,000 BTU input for 40-gallon and 32,000 BTU input for 30-gallon

Factory-Installed Heat trap nipples on all models

For 10-year tank and 6-year parts warranty, change "6" to "X" in model number (GSX 40 YOCT)

When ordering Propane, change "Y" to "H" in model number (GS6 40 HOCT)

When ordering top-mounted T&P Valve, add "G" to model number (GS6 40 YOCT G)

All models are approved for installations from sea level to 10,100 ft. elevations

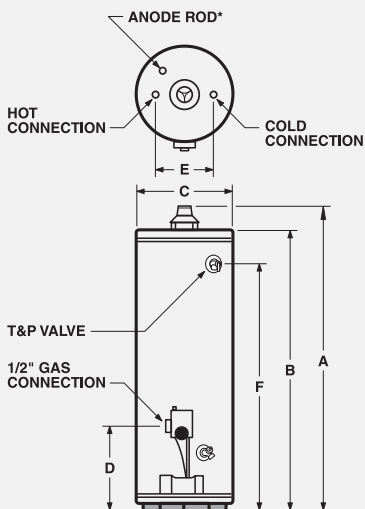
- .62 Energy Factor
- Intelligent Control Logic
- Self-powered Electronic Gas Valve
- Diagnostics
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Aluminum anode rod
- FVIR gas water heater design
- Easy-to-light Piezo ignitor
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F		
61-1/2	58	18	13	8	52	3 or 4	126
61-3/4	58-1/4	20	13	8	51-3/4	3 or 4	150
61	57-1/4	22	13	8	50-1/4	3 or 4	165
51-1/2	47-3/4	22	13	8	41	3 or 4	147



SELECT® HIGH OUTPUT

*Location for optional top-mounted T&P Valve, if ordered from factory. To order, add "G" to model number (GS6 40 YRRT G).



MODEL NUMBER	SERIES	1 ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE
GS6 40 YRRT	300/301	75	.60	38	50,000	48	16
GS6 50 YRRT	300/301	90	.58	50	50,000	51	8
GS6 50 YRRT 5	100/101	93	.58	50	65,000	67	16
GS6 65 YRRT	100/101	116	.57	65	65,000	67	16
GS6 75 XRRS*	300/301	N/A	N/A	74	75,100	81	16
GS6 100 XRRT*	300/301	N/A	N/A	98	75,100	81	10

Recoveries are rounded to nearest gallon

Water Connections—1" on 75-gallon; 1-1/4" on 100-gallon models; 3/4" on all other models

*Not equipped with FVIR Technology

For 10-year tank and 6-year parts warranty, change "6" to "X" in model number (GSX 40 YRRT)

When ordering top-mounted T&P Relief Valve (FVIR models only), add "G" to model number (GS6 40 YRRT G)

All models supplied with heat trap nipples, except the GS6 75 XRRS and GS6 100 XRRT

All models are approved for installations from sea level to 7,700 ft. elevations. FVIR series 300 models are certified from sea level to 10,100 ft. elevations.

† Propane Gas — GS6 40 HRRT: 47,000 BTU INPUT

GS6 50 HRRT: 45,000 BTU INPUT

GS6 50 HRRT5: 55,000 BTU INPUT

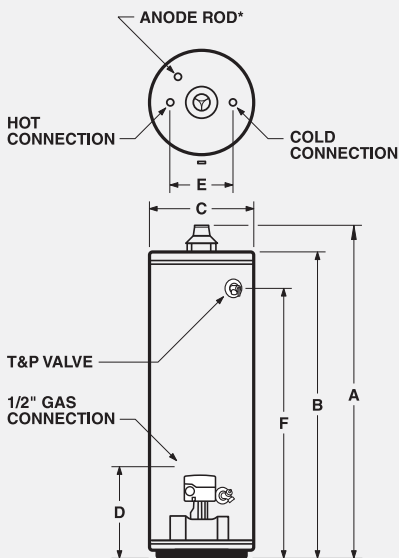
GS6 65 HRRT: 62,500 BTU INPUT

- Ideal for large families and high-demand homes – high inputs produce recoveries up to 81 GPH, deliverable hot water up to 150 gallons
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Aluminum anode rod
- FVIR gas water heater design
- Easy-to-light Piezo ignitor on FVIR models
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F		
61-3/4	54-3/4	20-1/2	13-3/8	8	48-7/8	4	138
60-3/4	57	20	13	8	50-1/4	4	153
63-7/8	59-1/2	22	15-1/2	8	54-1/8	4	195
65	60	24	15-1/2	8	54-1/4	4	215
61	57	26-1/2	14-3/4	16	50-1/4	4	275
68-1/2	65	27-3/4	15-3/16	16	57-3/8	4	350



*Location for optional top-mounted T&P Valve, if ordered from factory. To order, add "G" to model number (GS6 40 YBRT G).



MODEL NUMBER	SERIES	1 ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE*
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TALL MODELS

GS6 30 YORT	300	67	.61	30	35,500	36	8
GS6 40 YBRT	300	70	.59	40	40,000	41	8
GS6 50 YBRT	300	88	.58	50	40,000	41	8

SHORT MODELS

GS6 30 YORS	300	60	.61	30	35,500	36	8
GS6 40 YBRS	300	66	.59	40	40,000	41	8
GS6 50 YBRS*	300	93	.61	50	40,000	41	16

Recoveries are rounded to nearest gallon

Water Connections – 3/4" male on all models

External heat trap nipples are supplied on all models

† Propane Gas – 40,000 for 50-gallon short, 37,000 for the 50-gallon tall, 36,000 input for 40-gallon models and 32,000 for 30-gallon models.

*All models are 1" foam, except GS6 50 YBRS (2 Inch foam)

For 10-year tank and 6-year parts warranty, change "6" to "X" in model number (GSX 40 YBRT)

When ordering Propane, change "Y" to "H" in model number (GS6 40 HBRT)

When ordering top-mounted T&P Valve, add "G" to model number (GS6 40 YBRT G)

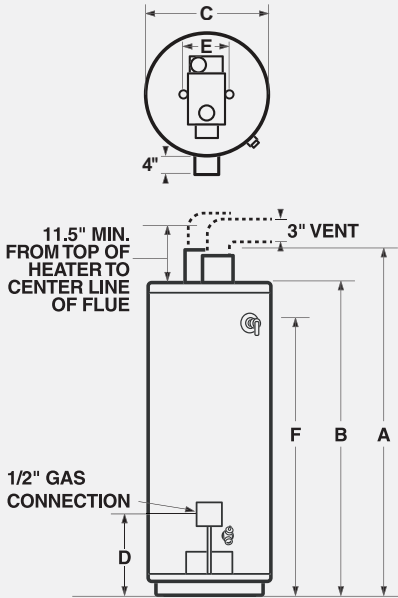
FVIR series 300 models are certified from sea level to 10,100 ft. elevations. All other series models are certified from sea level to 7,700 ft. elevations.

- Intelligent Control Logic
- Self-powered Electronic Gas Valve
- Diagnostics
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Aluminum anode rod
- FVIR gas water heater design
- Easy-to-light Piezo ignitor
- Long-lasting PEXAN™ cross-linked polymer dip tube with diffuser design to help reduce lime and sediment buildup
- 2 Inch “Environmentally-Friendly” Non-CFC foam insulation
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME Rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	APPROX SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F		
61-1/2	58	16	13	8	52	3 or 4	119
61-3/4	58-1/4	18	13	8	51-3/4	3 or 4	138
60-3/4	57	20	13	8	50-1/4	3 or 4	153
50	43-3/4	18	13-3/8	8	36-5/8	3 or 4	122
51-1/2	47-3/4	20	13	8	41	3 or 4	135
53-1/4	49-1/2	24	13-1/4	8	42-1/2	3 or 4	175



SELECT® POWER DIRECT VENT



MODEL NUMBER	SERIES	1 st HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NATURAL †	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE*
GS6 40 YBPD	200/201	70	.60	40	40,000	41	16
GS6 50 YBPD	200/201	87	.59	50	40,000	41	16
GS6 50 YRPDT 5	200/201	105	.58	50	65,000	64	16
GS6 75 YRPDT*	100/101	130	.58	75	70,000	72	16

* Series 100/101

Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

When ordering Propane, change "Y" to "H" in model number (GS6 40 HBPDT)

† Propane Gas Inputs/Recoveries – GS6 40 HBPDT: 36,000 BTU/37 GPH
 GS6 50 HBPDT: 38,000 BTU/39 GPH
 GS6 50 HRPDT 5: 60,000 BTU/59 GPH
 GS6 75 HRPDT: 65,000 BTU/67 GPH

*R Value shown is "Performance Rated"

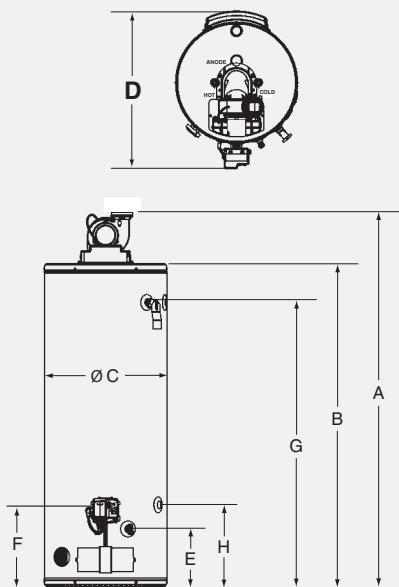
- Two-pipe “closed combustion” system permits combined horizontal and vertical venting and air intake runs up to 45 feet with one elbow, using Installer-Friendly 3” Schedule 40 PVC, CPVC or ABS pipe
- Intelli-Vent™ gas control valve, with extra-durable silicon nitride hot surface ignitor
- Quiet modular blower, with 110/120 volt electrical system (rating 3 amps or less), with 7-foot cord, standard 3-prong male connector
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- FVIR Design
- Durable, tamper-resistant brass drain valve
- Aluminum anode rod provides added protection against tank corrosion (magnesium anodes on high-input models)
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES						VENT CONNECTION	APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F		
57	48-1/2	21	15	8	42	3	224
66	57-1/2	21	15	8	51	3	232
69-1/2	61	21	15	8	54-1/2	3	232
71-1/2	61-1/2	26-1/4	15-1/2	8	54-3/4	3	300

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



SELECT® POWER VENT



MODEL NUMBER	SERIES	ENERGY FACTOR	GAL. CAP.	1 ST HOUR RATING GALLONS	RECOVERY GALLONS PER HOUR @ 90°F RISE	R VALUE**
GS6 40 YBVIS	200	.70	40	73	44.7	8
GS6 40 YRVIT	200	.70	40	90	55.9	8
GS6 50 YBVIS	200	.70	50	90	44.7	16
GS6 50 YRVIT	200	.70	50	96	55.9	16
GS6 50 YRVHSL	200	.70	50	110	69.3	16
GS6 75 YRVHTL	200	.68	75	155	80.4	16

MODEL NUMBER	INPUT BTU/H	MAXIMUM VENT LENGTH (Total Equivalent Feet)		
		2" Pipe	3" Pipe	4" Pipe
GS6 40 YBVIS	40,000	50'	125'	180'
GS6 40 YRVIT	50,000	50'	125'	180'
GS6 50 YBVIS	40,000	50'	125'	180'
GS6 50 YRVIT	50,000	50'	125'	180'
GS6 50 YRVHSL	62,000	N/A	50'	125'
GS6 75 YRVHTL	72,000	N/A	50'	125'

- All models are ENERGY STAR® qualified
- Exclusive 3-position (9, 12, and 3 o'clock) rotating blower with front mounted junction box
- Hot-surface ignition
- 120V electronic gas control
- Certified for ABS, PVC, and PP (polypropylene) vent material
- Vent lengths up to 125 equivalent feet with 3" diameter venting (180 equivalent feet with 4" diameter venting)
- Models up to 50,000 BTU are supplied with 2" termination elbow plus 2" 3", and 4" screens
- Model over 50,000 BTU are supplied with 3" termination elbow plus 3" and 4" screens
- All models are equipped with a protected sensor that detects the presence of flammable vapors and automatically disables the burner to prevent ignition
- LED control light displays operation status and diagnostics information
- Reduced NOx emissions comply with air quality management district regulations
- Durable, tamper-resistant brass drain valve
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce time and sediment buildup
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES								APPROX. SHIPPING WEIGHT (LBS.)
A	B	C	D	E	F	G	H	
59	49-5/8	22	29-1/8	11	14-1/4	42-1/2	N/A	174
68-1/2	59-1/4	20	27-1/8	11	14-1/4	53-1/8	15-1/4	176
60-1/8	50-3/4	24	31-1/8	11	14-1/4	43-3/4	N/A	198
68-1/8	58-3/4	22	29-1/8	11	14-1/4	51-3/4	15-1/4	192
61-1/8	52	24	31-1/8	11	14-1/4	44-1/2	15-1/4	212
70-5/8	61-1/4	26	33-1/8	11	14-1/4	53	15-1/4	277

All models are Flammable Vapor Ignition Resistant (FVIR)

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

All models have 2" foam cavity and the R value is 16

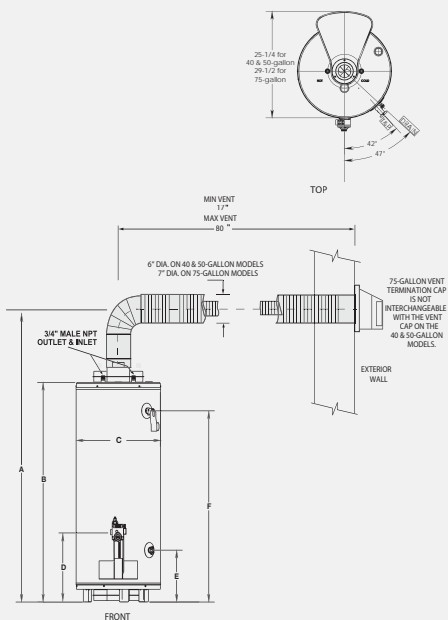
H models come standard with side tap connections for optional hydronic heating loop applications.

Plugs are supplied (loose) and must be installed at installation if side taps are not used.

Side connections are standard on "T" models



SELECT® DIRECT VENT



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAP.	BTU INPUT	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 40 YBDS	73	.60	40	38,000	41
GS6 50 YBDS	87	.59	50	42,000	45
GS6 50 YRDS	88	.58	50	50,000	55
GS6 75 YRDS	131	.57	75	55,000	60

All models certified from sea level to 7,700 ft. elevations

Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

The 75-gallon models uses a 4"x 7" Co-axial pipe

When ordering Propane, change "Y" to "H" in model number (GS6 40 HBDS)

All models have 2" foam cavity

75-gallon water connections are 12" on center

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

- One pipe dual-channel system permits horizontal venting and air intake on most models up to 80" from outside wall, with no electrical power required
- FVIR Design
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Factory-Installed Heat Trap Nipples (3/4" male connections)
- Durable, tamper-resistant brass drain valve
- Anode rod provides added protection against tank corrosion
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

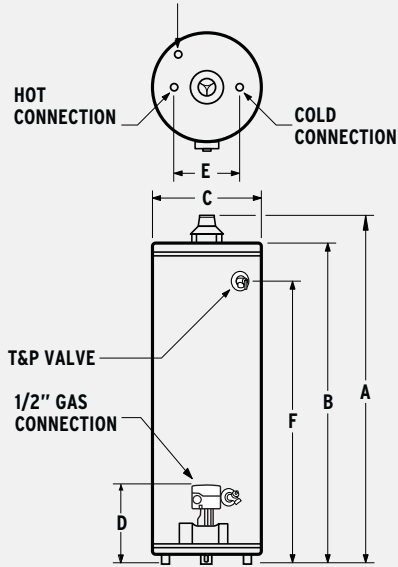
DIMENSIONS IN INCHES						VENT PIPE**	SHIPPING WEIGHT
A***	B	C	D	E	F		
68	54-3/4	22-1/4	16	12-1/4	45-1/4	Co-Axial	167
76	63-3/4	22-1/4	16	12-1/4	54	Co-Axial	185
76	64-3/4	22-1/4	16-1/4	12-1/2	55-1/2	Co-Axial	187
76	65-3/4	26-1/4	16-1/4	12-1/2	55-1/2	Co-Axial	310

**Dual-channel system has 3" vent pipe inside 6" air intake pipe for the 40 & 50-gallon.

*** A dimension is to center line of flue (recommended vent height)



OPTIONAL ANODE ROD* (OR OPTIONAL T&P) LOCATION



MODEL NUMBER	SERIES	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 30 UORT	200	50	.61	30	30,000	31
GS6 40 UBRT	200	65	.59	40	40,000	41
GS6 50 UBRT	200	75	.58	50	40,000	41
GS6 50 URRT*	200	90	.59	50	50,000	52
GS6 40 UOCT	200	70	.62	40	40,000	41
GS6 50 UOCT	200	75	.62	50	40,000	41

Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

All models have 2" foam cavity

*GS6 50 URRT comes standard with side tap connections for optional hydronic heating loop applications. Plugs are supplied loose and must be installed at installation if side taps are not used.

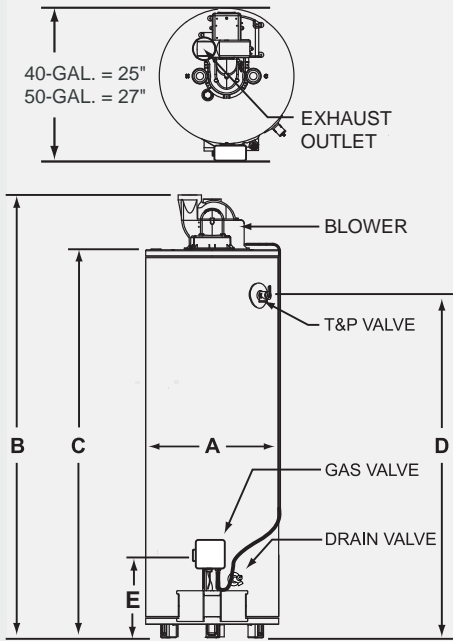
- Intelligent Control Logic
- Self-Powered Gas Valve
- Diagnostics
- The enhanced burner system produces less NOx than previous burners
- “Environmentally-Friendly” burner system complies with SCAQMD Rule 1121 and other Air Quality Management Districts with similar requirements for NOx emissions of less than 10 ng/J
- Durable Burner Construction - Components of the new, improved burner system are made of either stainless steel or a strong inconel alloy that is designed to withstand extreme temperature applications
- FVIR Design
- Easy-to-Light Piezo Ignitor - For fast, “one-hand” pilot ignition
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- CSA certified and ASME rated T&P relief valve
- Durable, Brass Tamper-Resistant Drain Valve
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES						DRAFT HOOD OUTLET	SHIPPING WEIGHT
A**	B	C	D	E	F		
59-7/8	56-3/8	16	13	8	48-1/2	3 or 4	105
62-1/8	58-5/8	18	13	8	50-3/4	3 or 4	129
60-7/8	57-3/8	20	13	8	49-1/2	3 or 4	151
64	60	22	11-1/2	8	53-1/4	4	178
61-7/8	58-3/8	20	13	8	50-3/4	3 or 4	138
60-7/8	57-3/8	22	13	8	49-1/2	3 or 4	160

**Height to the top of the draft hood



SELECT® ULTRA-LOW NOx POWER VENT



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR	VENT DIAMETER	RECOVERY 90°F RISE
GS6 40 UBVIT	69	.68	40	42,000	2 or 3	42.6
GS6 50 UBVIT	81	.68	50	42,000	2 or 3	42.6

All dimensions shown in inches.

Top inlet and outlet are on 8" centers.

Operates on Natural Gas only.

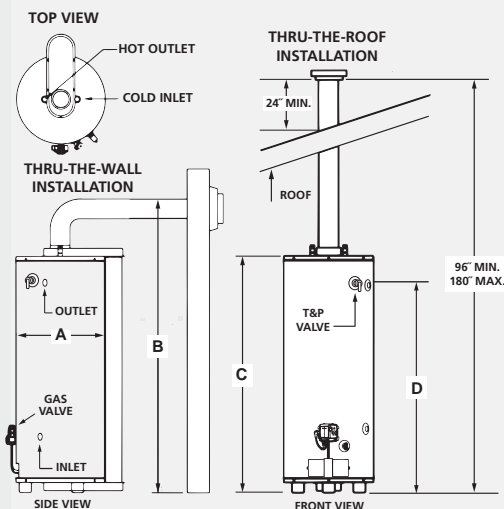
Ultra-Low NOx water heaters are manufactured for use in California.

- Intelli-Vent™ Gas Control
- Thru-the-Wall or Thru-the-Roof power venting using either 2" or 3" PVC, ABS or CPVC vent pipe
- Factory-installed 6-foot power cord with standard 3-prong male connector provided. Electrical requirements; 110/120 VAC power source, less than 5 amp draw
- Utilizes an intermittent ignition gas valve (no standing pilot) with thermistor temperature sensor and built-in high temperature cut off
- PEXAN™ Diffuser Dip Tube helps reduce lime and sediment buildup, maximizes hot water output
- Durable, Ultra-Low NOx Burner Construction
- Exclusive aluminum anode has a stainless steel core, protects tank against corrosion longer versus standard steel anodes
- FVIR Design
- ENERGY STAR® Qualified
- Durable, Tamper-Resistant Brass Drain Valve
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES					SHIPPING WEIGHT
A	B	C	D	E	
20	66-7/8	58-5/8	51-1/2	12-1/4	170
22	65-5/8	57-7/16	51	12-1/4	207



SELECT® ULTRA-LOW NOX DIRECT VENT



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 40 UBDS L	59	.59	40	36,000	39
GS6 50 UBDT L	81	.58	50	38,000	41

No option available for top T&P valve.

Dimensions on chart shown in inches.

All models have 3/4" side and top water connections and 1/2" gas connection.

Side connections are located on the right side of the heater.

Ultra-Low NOx water heaters are manufactured for use in California.

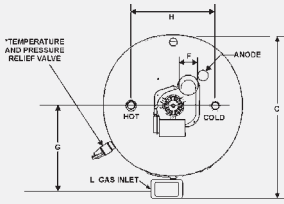
Side connection plugs are supplied (loose) and must be installed during installation if side taps are not used.

- Direct Vent Design
- Combination Thermostat and ECO
- FVIR Design
- These models come standard with side tap connections for optional hydronic heating loop applications
- Multiple Venting Options through the Wall or Roof
- Green Choice® “Eco-Friendly” Gas Burner
- Durable Brass Tamper-Resistant Drain Valve
- Fused Ceramic Glasslined Tank
- Factory-Installed CSA Certified and ASME Rated T&P Relief Valve (side mounted only)
- Thick, CFC-Free Foam Insulation
- 6-year limited tank and parts warranty

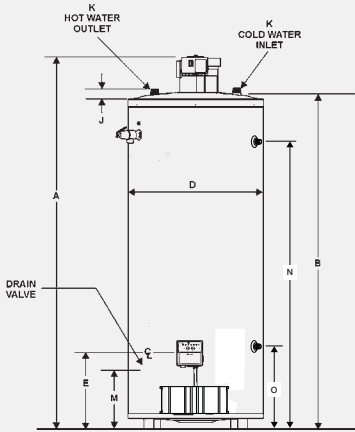
DIMENSIONS IN INCHES					SHIPPING WEIGHT
A	B	C	D	E	
22	65-1/4	50-1/2	43-7/8	27	179
22	73-1/2	58-1/2	52-1/4	27	193



SELECT® ULTRA-LOW NOX



*INSTALL IN ACCORDANCE WITH LOCAL CODES



MODEL NUMBER	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL	BTU OUTPUT PER HOUR NATURAL	RECOVERY GALLONS PER HOUR @ 90°F RISE	A	B	C
					GS6 75 URRBS	74	75,100

This model is not FVIR.

Supplied with side loop connections standard.

Ultra-Low NOx water heaters are manufactured for use in California.

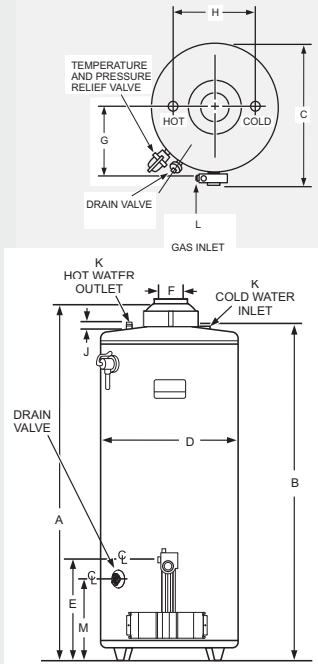
- Factory-Installed Blower
- Intelli-Vent™ Gas Control
- Rated as Category I Appliance
- Fully Automatic Control System
- Glasslined Tank
- Side-Loop Connections
- CSA Certified and ASME Rated T&P Relief Valve
- Maximum Hydrostatic Working Pressure: 150 PSI
- 80% Thermal Efficiency
- Codes and Standards
 - Design-certified according to ANSIZ21.10.3-CSA 4.3 standards governing storage-type water heaters
 - California Energy Commission
 - Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1
 - Design-certified by Underwriters Laboratories
 - Certified for use on combustible flooring
 - Complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES											APPROX. SHIPPING WEIGHT (LBS)
D	E	F	G	H	J	K	L	M	N	O	
25-1/4	15-1/2	4	15-3/8	16	2-1/4	1	1/2	12-1/4	51	16-1/4	300

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SELECT® ULTRA-LOW NOX HIGH RECOVERY



MODEL NUMBER	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL	BTU OUTPUT PER HOUR NATURAL	RECOVERY GALLONS PER HOUR @ 90°F RISE	A	B	C
					GS6 100 URRT	100	75,100

Ultra-Low NOx water heaters are manufactured for use in California.



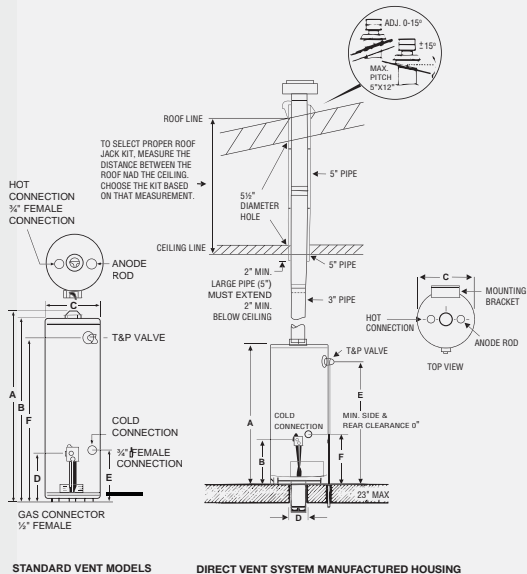
- Fully Automatic Controls with Safety Shutoff
- Heavy Gauge Steel Jacket
- Glasslined Tank
- Foam Insulation
- CSA Certified and ASME Rated T&P Relief Valve
- Maximum Working Pressure: 150 PSI
- Maximum Gas Inlet Pressure: 14" W.C.
- Ultra-Low NOx Emissions
 - Complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm
- Easy-to-Install
- Anodic Protection
- Low Profile Draft Diverter Furnished as Standard Equipment
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES

DIMENSIONS IN INCHES									APPROX. SHIPPING WEIGHT (LBS)
D	E	F	G	H	J	K	L	M	
27-3/4	15-3/16	4	15-3/4	16	1-1/4	1-1/4	1/2	11-15/16	350



SELECT[®] MANUFACTURED HOUSING



MODEL NUMBER	SERIES	1 ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	BTU INPUT PER HOUR NAT./PROP.	RECOVERY GALLONS PER HOUR @ 90°F RISE
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STANDARD VENT MODELS

GS6 30 YOMT	302	55	.61	30	35,500/32,000	36
GS6 40 YOMT	302	62	.59	40	35,500/32,000	36

DIRECT VENT MODELS

PR6 30 NHDST2	200	49	.61	30	30,000/29,000	31
PR6 40 NHDST2	200	61	.60	40	32,000/29,000	33
PR6 50 NHDST2	200	77	.59	50	38,000/37,000	39

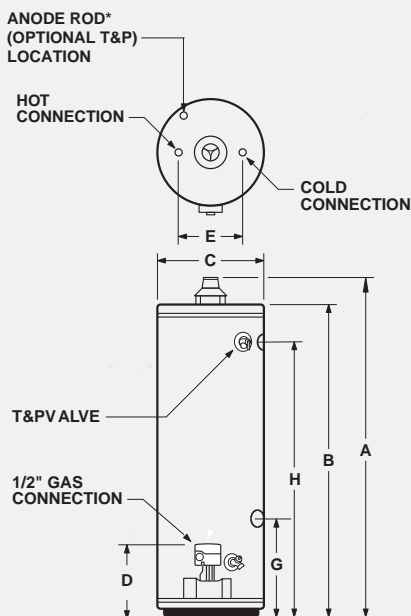
- Specially designed for Manufactured Housing installation
- Available in standard vertical vent or direct vent models for through-the-roof venting
- All models equipped with gas control that is convertible for natural gas or propane gas operation
- Special Roof Jack Kits available for direct-vent models; consult specification sheet for kit availability
- Standard Vent Atmospheric Vent Models are FVIR
- Green Choice® gas burner – 33% lower NOx emissions than standard burners
- Aluminum anode rod
- Long-lasting PEXAN™ cross-linked polymer dip tube
- CSA certified and ASME rated T&P relief valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank warranty, 2-year limited parts warranty

DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
HEIGHT	DIAMETER	DRAFT HOOD OUTLET	
61-1/2*	18	3 or 4	129
61-3/4*	20	3 or 4	153
58	18	–	129
58-1/4	20	–	153
57-1/4	22	–	168

*Height shown is to top of draft hood on the standard vent models



PREMIER® STANDARD VENT SIDE LOOP (SL) GAS



MODEL NUMBER	SERIES	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL*	BTU OUTPUT PER HOUR NATURAL*	RECOVERY GALLONS PER HOUR @ 90°F RISE
GPX 40 YXRT L	300/301	70	.63	40	40,000	30,400	41
GPX 50 YXRT L	300/301	88	.62	50	40,000	30,400	41

*Propane Gas - GPX 40 YXRT L - 36,000 BTU; GPX 50 YXRT L - 37,000 BTU

Recovery capacity based on actual performance tests

When ordering propane (LP) replace the "Y" with an "H" (Example: GPX 40 HXRT L).

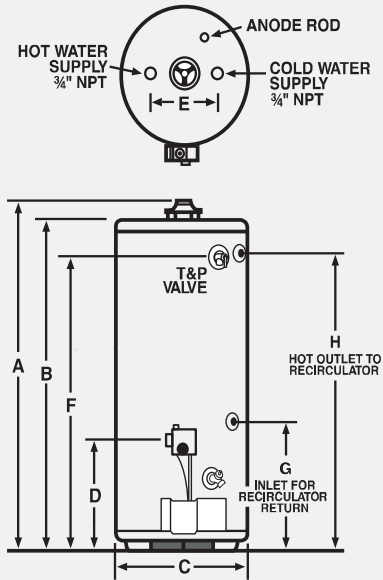
Models are certified from sea level to 10,100 ft. elevations.

- Side-Mounted Recirculating Taps
- Intelligent Control Logic
- Self-Powered Electronic Gas Valve
- Diagnostics
- Automatic Sediment-Cleaning System
- Green Choice® “Eco-Friendly” Gas Burner
- Premium Anode Rods
- FVIR Design
- Easy-to-Light Piezo Ignitor - For fast, “one-hand” pilot ignition
- Durable, Tamper-Resistant Brass Drain Valve
- 10-year limited tank and parts warranty

DIMENSIONS IN INCHES								SHIPPING WEIGHT
A	B	C	D	E	F	G	H	
61-3/4	58-1/4	20	13	8	51-3/4	14-1/4	51-3/4	150
61	57-1/4	22	13	8	50-1/2	14-1/4	50-1/2	165



SELECT® STANDARD VENT SIDE LOOP (SL) GAS



MODEL NUMBER	SERIES	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	BTU INPUT PER HOUR NATURAL*	BTU OUTPUT PER HOUR NATURAL*	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 40 YBRT L	300/301	70	.59	40	40,000	30,400	41
GS6 40 YOCT L	300/301	70	.62	40	40,000	30,400	41
GS6 50 YOCT L	300/301	88	.62	50	40,000	30,400	41
GS6 40 YRRT L	300/301	75	.59	40	50,000	38,000	51
GS6 50 YRRT L	300/301	90	.58	48	50,000	38,000	51
GS6 50 YRRT L5	100/101	93	.58	50	65,000	50,050	67
GS6 65 YRRT L	100/101	116	.57	65	65,000	49,400	67
GS6 75 XRRS L*	300/301	N/A	N/A	74	75,100	60,080	81

Recoveries are based on natural gas BTU rate and are rounded to nearest gallon

*Not FVIR

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: GS675 CRRS L or GS6 40 HBRT L

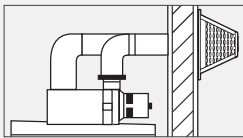
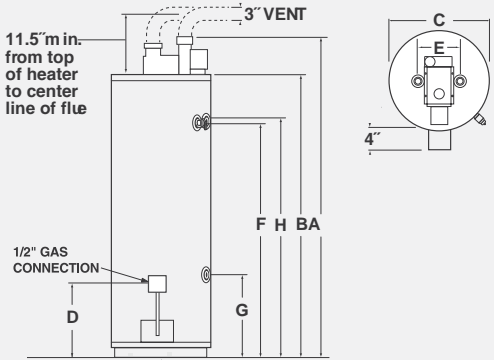
Water connections are 3/4" on all models except GS6 75 XRRS L, it is 1"

- Side-Mounted Taps Designed for Potable Recirculating Taps
- FVIR Design
- Piezo Ignitor
- Dual Magnesium Anode Rods
- Brass Drain Valve
- CSA International Certified ECO (Energy Cutoff)
- Maximum Hydrostatic Working Pressure 150 PSI
- Green Choice® “Eco-Friendly” Gas Burner
- Long Lasting PEXAN™ Dip Tubes
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES								SHIPPING WEIGHT
A	B	C	D	E	F	G	H	
61-3/4	58-1/4	18	13	8	51-3/4	14-1/4	51-3/4	138
61-3/4	58-1/4	20	13	8	51-3/4	14-1/4	51-3/4	155
61	57-1/4	22	13	8	51-3/4	14-1/4	51-3/4	165
61-3/4	58-1/4	20	13	8	51-3/4	14-1/4	51-3/4	155
60-7/8	56-1/2	20	13-1/2	8	50-1/4	14-1/2	50-1/4	172
63-7/8	59-1/2	22	15-1/2	8	54	14-1/2	54	195
65	60	24	15-1/2	8	54-1/4	14-1/4	54-1/4	215
61	57	26-1/2	14-3/4	8	50-1/4	15-1/2	50-1/4	275

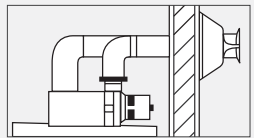


SELECT® POWER DIRECT VENT SIDE LOOP (SL) GAS



Part #9003328005

Optional Deluxe Square Horizontal Vent Termination Kit



Part #9002749005

Optional Deluxe Round Horizontal Vent Termination Kit

MODEL NUMBER	GALLON CAPACITY	ENERGY FACTOR	1ST HOUR RATING GALLONS	BTU INPUT PER HOUR NAT./PROP.	BTU OUTPUT PER HOUR NAT./PROP.	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 40 YBPDT L	40	.60	70	40,000/36,000	30,400/27,360	41/37
GS6 50 YRPDT L5	50	.58	105	65,000/60,000	47,450/43,800	64/59
*GS6 75 YRPDT L	75	.58	130	70,000/65,000	53,200/49,400	72/67

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: GS6 40 HBPDT L

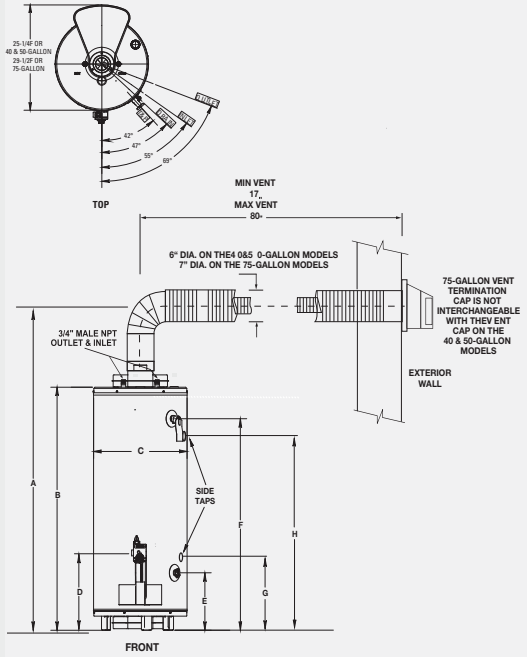
Water connections are 3/4" on all models except GS6 75 YRPDT L, which has 1" connections.

- Side-Mounted Taps Designed for Potable Recirculating Systems
- Power Direct Vent Design
- Energy Saving Hot Surface Ignition System
- 110/120 Volt Electrical System
- Dual Magnesium Anode Rods
- Durable, Tamper-Resistant Brass Drain Valve
- Green Choice® “Eco-Friendly” Gas Burner
- Long Lasting PEXAN™ Dip Tubes
- Silencer™ Heat Trap Nipples
- CSA Certified ECO (Energy Cutoff)
- Maximum Hydrostatic Working Pressure 150 PSI
- CSA Certified and ASME Rated T&P Relief Valve, Factory-Installed
- 6-year limited tank and parts warranty

DIMENSIONS IN INCHES								SHIPPING WEIGHT
A	B	C	D	E	F	G	H	
57	48-1/2	21	15	8	42	17	42	224
69-1/2	61	21	15	8	54-1/2	17	54-1/2	232
71-1/2	71-1/2	26-1/4	15-1/2	8	54-1/2	17	54-1/2	352



SELECT® DIRECT VENT SIDE LOOP (SL) GAS



MODEL NUMBER	GALLON CAPACITY	ENERGY FACTOR	1ST HOUR RATING GALLONS	BTU INPUT PER HOUR NATURAL	BTU OUTPUT PER HOUR NATURAL*	RECOVERY GALLONS PER HOUR @ 90°F RISE
GS6 40 YBDS L	40	.60	73	38,000	30,780	41
GS6 50 YRDS L	50	.58	88	50,000	40,500	55
GS6 75 YRDS L	75	.57	131	55,000	44,550	60

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)

All models have 2" foam cavity

All 75-gallon water connections are 12" on center

- Side-Mounted Taps Designed for Recirculating Systems
- Direct Vent Design
- FVIR Design
- Diffuser Dip Tube
- Green Choice® “Eco-Friendly” Gas Burner
- Durable, Tamper-Resistant Brass Drain Valve
- Glasslined Tank
- Push Button Piezo Ignitor
- Factory-Installed CSA Certified and ASME Rated T&P Relief Valve
- Thick, “Environmentally-Friendly” Non-CFC Foam Insulation
- 6-year limited tank and parts warranty

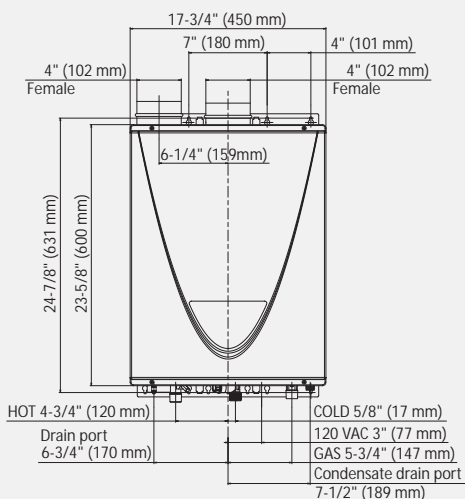
DIMENSIONS IN INCHES								SHIPPING WEIGHT
A*	B	C	D	E	F	G	H	
68	54-3/4	22-1/4	16	12-1/4	45-1/4	16-1/2	41-3/4	167
76	64-3/4	22-1/4	16-1/4	12-1/2	55-1/2	16-1/2	53-3/4	187
76	65-3/4	26-1/4	16-1/4	12-1/2	55-1/2	17-1/4	54	310

*A Dimension is to center line of flue (recommended vent height)



TANKLESS HIGH EFFICIENCY CONDENSING MODELS

Ultra-Low NOx



MODEL NUMBER	ENERGY FACTOR	GAS CONSUMPTION INPUT		HOT WATER OUTPUT (GPM)		
		MINIMUM BTU/H	MAXIMUM BTU/H	MAX.	45°F RISE	70°F RISE
CONDENSING MODELS						
GTS-240H-NI	.95	15,000	160,000	6.6	6.6	4.3
GTS-240H-NE	.95	15,000	160,000	8.0	6.6	4.3
GTS-340H-NI	.95	15,000	180,000	10.0	7.6	4.9
GTS-340H-NE	.95	15,000	180,000	6.6	7.6	4.9
GTS-540H-NI	.95	15,000	199,000	8.0	8.4	5.4
GTS-540H-NE	.95	15,000	199,000	10.0	8.4	5.4

*For Propane, change the N to P in the model number when ordering: Example: GTS-240H-PI.
Propane (LP) Gas BTU/H is 13,000.

CONDENSING

- Ultra-Low NOx Condensing Technology Provides Significant Energy Cost Savings - Unprecedented 0.95 Energy Factor
- ENERGY STAR® Qualified
- Commercial-Grade Copper HRS35 Primary Heat Exchanger
- Marine-Grade 316L Stainless Steel Secondary Heat Exchanger
- Electronic Ignition - No Pilot Light
- Indoor Model has Integrated Controls and Advanced Diagnostics
- Outdoor Model Includes Remote Control
- Factory-Installed Power Cord Included for Indoor Models
- Complies with Lead Free Standards
- Suitable for Commercial Application (540 Models)
- Easy-Link up to 4 Units with no Additional Parts or Accessories Needed (540 Models)
- Multi-Link up to 20 Units (540 models only)
- Internal Freeze Protection System
- 15-year limited heat exchanger warranty / 5-year limited parts warranty

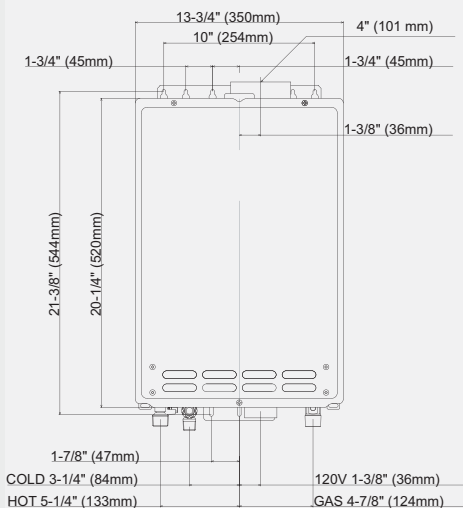
DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
HEIGHT	WIDTH	DEPTH	
23-5/8	17-3/4	11-1/4	58
23-5/8	17-3/4	11-1/4	58
23-5/8	17-3/4	11-1/4	58
23-5/8	17-3/4	11-1/4	58
23-5/8	17-3/4	11-1/4	59
23-5/8	17-3/4	11-1/4	59



ANSI Z21.10.3 CSA 4.3



TANKLESS MODELS NON-CONDENSING



MODEL NUMBER	ENERGY FACTOR	BTU INPUT NATURAL/PROPANE		HOT WATER OUTPUT (GPM)		
		MINIMUM	MAXIMUM	MAX.	45°F RISE	70°F RISE

NON-CONDENSING MODELS

GTS-110-NI	.82	19,500	140,000	6.6	5.1	3.3
GTS-310-NI	.82	11,000	190,000	8.0	6.9	4.4
GTS-510-NI**	.82	11,000	199,000	10.0	7.2	4.7
GTS-110-NE	.82	19,500	140,000	6.6	5.1	3.3
GTS-310-NE	.82	11,000	190,000	8.0	6.9	4.4
GTS-510-NE**	.82	11,000	199,000	10.0	7.2	4.7

ULTRA-LOW NOx NON-CONDENSING

GTS-110U-NI	.82	15,000	140,000	6.6	5.1	3.3
GTS-310U-NI	.82	15,000	190,000	8.0	6.9	4.4
GTS-510U-NI**	.82	15,000	199,000	10.0	7.2	4.7
GTS-110U-NE	.82	15,000	140,000	6.6	5.1	3.3
GTS-310U-NE	.82	15,000	190,000	8.0	6.9	4.4
GTS-510U-NE**	.82	15,000	199,000	10.0	7.2	4.7

NON-CONDENSING AND ULTRA-LOW NOX

- ENERGY STAR® Qualified
- Eligible for Federal Tax Credit, see www.statewaterheaters.com
- Power Vent Design
- Category III Stainless Steel Venting
- Indoor and Outdoor Models available
- Suitable for Commercial Applications (510 and 510U Models)
- Easy-Link up to 4 Units (510 and 510U Models)
- Multi-Link up to 20 Units (510U Models)
- Includes Remote Control
- Indoor Models Includes Power Cord
- Low NOx and Ultra-Low NOx Emissions
- Commercial-grade Copper HRS35 Heat Exchanger (510 & 510U Models)
- 15-year limited heat exchanger warranty / 5-year limited parts warranty

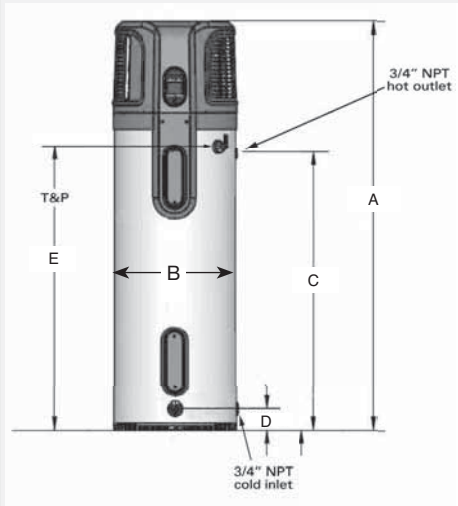
DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
HEIGHT	WIDTH	DEPTH	
20-1/4	13-3/4	7-3/4	33
20-1/4	13-3/4	9-1/2	38
20-1/4	13-3/4	9-1/2	39
20-1/4	13-3/4	7-3/4	33
20-1/4	13-3/4	9-1/2	38
20-1/4	13-3/4	9-1/2	39
20-1/4	13-3/4	9-1/2	33
20-1/4	13-3/4	9-1/2	37
20-1/4	13-3/4	9-1/2	39
20-1/4	13-3/4	9-1/2	33
20-1/4	13-3/4	9-1/2	37
20-1/4	13-3/4	9-1/2	39



ANSI Z21.10.3 CSA 4.3



PREMIER® HYBRID ELECTRIC HEAT PUMPS



MODEL NUMBER	GALLON CAPACITY	ENERGY FACTOR (BY MODE)			1ST HOUR RATING GALLONS (BY MODE)		
		EFFICIENCY	HYBRID	ELECTRIC	EFFICIENCY	HYBRID	ELECTRIC
EPX 80 DHPT	80	2.30	2.33	0.85	70	84	76

All dimensions in inches
240 VAC Single Phase only, 25 amp breaker

- ENERGY STAR® Qualified
- Eligible for Federal Tax Credit see www.statewaterheaters.com for more information
- Energy Saving Heat Pump Technology can reduce electricity costs by 50% or more
- Increased storage allows Heat Pump to operate more frequently, boosting savings
- Environmentally-Friendly R134a refrigerant
- Multiple operating modes to optimize savings and performance
- User-Friendly LCD Touch Pad Control
- Water temperature set point range 95°F to 150°F (35°C to 66°C), with child resistant temperature set point safety lock
- Durable, tamper resistant brass drain valve

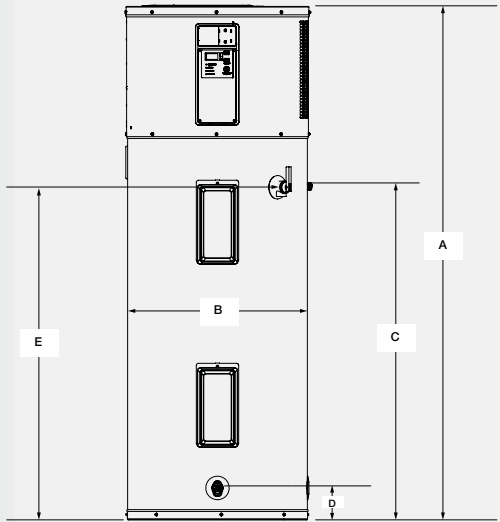
- User-Friendly LCD Touch Pad with plain English text and intuitive Status Icons provides easy interaction
- Maintenance free powered anode for protection in any water conditions
- High capacity storage tank provides more hot water for peak demand periods
- Up to a 2.4 Energy Factor (EF) rating conserves energy
- Easy-to-remove, washable air filter
- Long lasting Incoloy backup heating elements
- 2 Inch thick “Environmentally-Friendly” Non-CFC foam insulation reduces standby heat loss
- 10-year limited tank and parts warranty

HEIGHT (Inches) A	DIAMETER (Inches) B	HEIGHT TO WATER OUTLET (Inches) C	HEIGHT TO WATER INLET (Inches) D	HEIGHT TO T&P (Inches) E	APPROX SHIPPING WEIGHT (LBS.)
81-1/2	24-1/2	55	4-1/4	56-1/3	340



PREMIER® HYBRID ELECTRIC HEAT PUMP

50-GALLON HIGH E.F. HYBRID ELECTRIC HEAT PUMP WATER HEATER



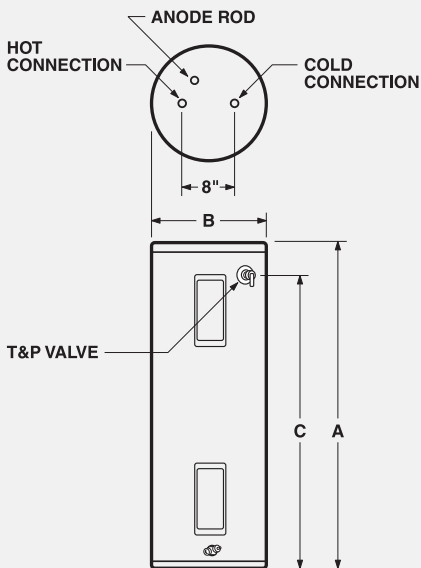
MODEL NUMBER	GALLON CAPACITY	ENERGY FACTOR (BY MODE)			1ST HOUR RATING GALLONS (BY MODE)		
		EFFICIENCY	HYBRID	ELECTRIC	EFFICIENCY	HYBRID	ELECTRIC
SPX 50 DHPT	50	2.78	2.75	0.89	42.1	67.5	59.1

All dimensions in inches
240 VAC Single Phase only, 30 amp breaker

- ENERGY STAR® Qualified
- 2.75 Energy Factor- means more savings - lower annual cost of operation than convention 50-gallon water heaters and other heat pump water heaters
- Up to 66% more efficient than standard electric water heaters
- 67.7 Gallons First hour recovery- more hot water meets UPC sizing requirements for 3 bedroom
- User-Friendly LCD Interface- features three operating modes to optimize savings and performance and includes a convenient vacation setting
- Washable reusable air filter
- Eligible for local utility rebates and incentives
- Equipped with our “SmartPort” capability for future home management and utility smart grid features
- 10-year limited tank and parts warranty

HEIGHT (Inches) A	DIAMETER (Inches) B	HEIGHT TO WATER OUTLET (Inches) C	HEIGHT TO WATER INLET (Inches) D	HEIGHT TO T&P (Inches) E	APPROX SHIPPING WEIGHT (LBS.)
63	22	40-5/8	3-3/4	40-1/2	196



PREMIER®Maximum Energy Efficiency
Self-Cleaning

MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	ELEMENT WATTAGE 240 VAC	
				STANDARD	MAXIMUM

TALL MODELS

EPX 40 DXRT	56	.95	40	4500	5500
EPX 52 DXRT	60	.95	50	4500	5500
EPX 66 DXRT	72	.95	66	4500	5500
EPX 80 DXRT	81	.95	80	4500	5500

MEDIUM MODELS

EPX 40 DXRS	52	.95	40	4500	5500
EPX 50 DXRS	62	.95	50	4500	5500

Recoveries are rounded to nearest gallon
 Water Connections – 3/4" male NPT on all models
 Top-mount T&P Relief Valve not available

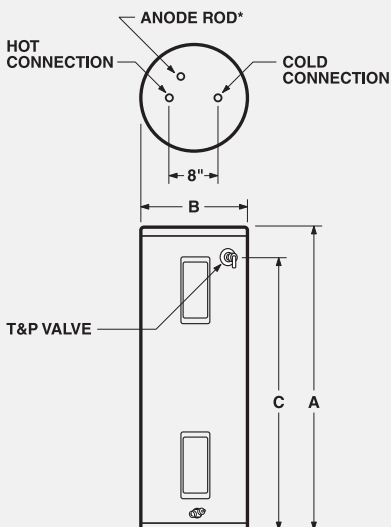
- .95 energy factors with 3 Inch thick “Environmentally-Friendly” Non-CFC foam insulation; reduces standby heat loss
- Factory-Installed, energy-saving heat traps
- Self-cleaning Turbo Coil dip tube, made from long-lasting PEXAN™ cross-linked polymer
- Blue Diamond® glass coating – provides superior corrosion resistance compared to industry-standard glass lining
- Sandhog® low-watt density 4500-watt incoloy steel heating elements – designed to last 2-3 times longer than standard copper elements
- Heavy-duty magnesium anode rod
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 10-year limited tank and parts warranty

RECOVERY 90°F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROX SHIPPING WEIGHT (LBS.)
		A	B	C	
21	24	60-1/2	20	53-1/2	118
21	24	57	22-1/2	47-1/2	134
21	24	62	24	53	143
21	24	62	26	52	200
21	24	47	22-1/2	37-3/4	169
21	24	50	24	40-1/2	161



SELECT® HIGH EFFICIENCY

*Location for optional top-mounted T&P Valve, if available and ordered from factory.



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	ELEMENT WATTAGE 240 VAC	
				STANDARD	MAXIMUM
TALL MODELS					
ES6 40 DOCT	54	.93	40	4500	6000
ES6 52 DOCT*	60	.93	50	4500	6000
ES6 66 DOCT	76	.92	66	4500	6000
ES6 80 DOCT*	87	.93	80	4500	6000
MEDIUM MODELS					
ES6 50 DOCS	62	.93	50	4500	6000

Recoveries are rounded to nearest gallon

Water Connections – 3/4" male NPT on all models

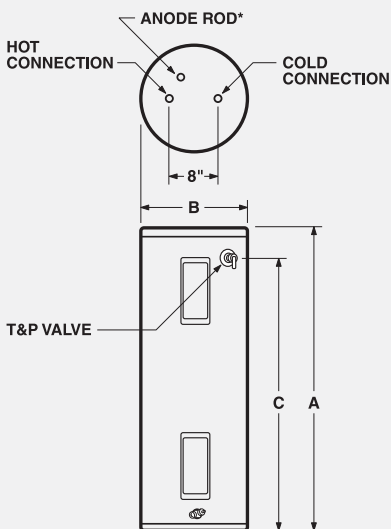
For 10-year tank warranty, change "6" to "X" in model number (ESX 40 DOCT)

*Models not available with top-mounted T&P Relief Valve

- High energy factors (up to .93) to meet efficiency requirements for most utility rebate programs
- Thick “Environmentally-Friendly” Non-CFC foam insulation reduces standby heat loss
- Factory-Installed, energy-saving heat traps
- 4500-watt heating elements standard
- Long-lasting PEXAN™ cross-linked polymer dip tube with diffuser design to help protect against lime and sediment buildup
- Aluminum anode rod
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

RECOVERY 90°F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
		A	B	C	
21	20	60	19	53-1/2	114
21	20	56-1/2	21-1/2	47-1/2	126
21	20	61	23	53	165
21	20	61-1/2	25	52	191
21	20	49	23	40-1/2	127





*Location for optional top-mounted T&P Valve, if available and ordered from factory.

MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	ELEMENT WATTAGE 240 VAC	
				STANDARD	MAXIMUM
TALL MODELS					
ES6 30 DORT	43	.93	30	4500	6000
ES6 40 DORT	52	.92	40	4500	6000
ES6 52 DORT	60	.91	50	4500	6000
ES6 55 DORT	67	.90	55	4500	6000
ES6 66 DORT	72	.88	66	4500	6000
ES6 80 DORT	81	.86	80	4500	6000
*ES6 120 DORT	112	.81	119	4500	6000
SHORT MODELS					
ES6 30 DORS	43	.93	30	4500	6000
ES6 40 DORS	52	.92	40	4500	6000
ES6 50 DORS	62	.90	50	4500	6000
LOWBOY MODELS					
ES6 30 DOLS	41	.93	30	4500	6000
*ES6 30 DOLBS **	40	.93	28	4500	6000
ES6 40 DOLNS ††	48	.92	38	4500	6000
ES6 40 DOLBS**	48	.93	38	4500	6000
ES6 50 DOLS ††	55	.91	50	4500	6000

*This model is not available with top-mounted T&P Relief Valve

**Heater ships with supplied insulation blanket

Recoveries are rounded to nearest gallon

Water Connections – 3/4" on all models

For 10-year tank warranty, change "6" to "X" in model number (ESX 40 DORT)

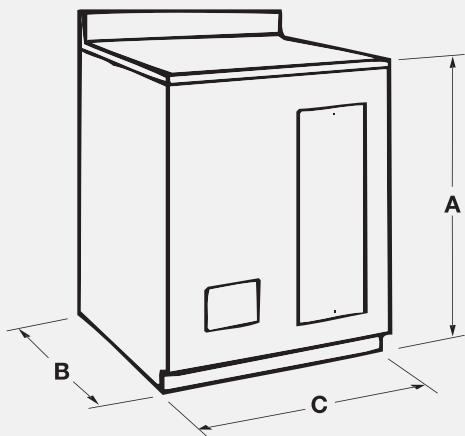
†† Not available as 10-year model with top T&P

- Tall, short and lowboy models available
- Thick “Environmentally-Friendly” Non-CFC foam insulation; reduces standby heat loss
- Aluminum anode rod
- Factory-installed heat trap nipples
- 4500-watt heating elements standard
- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

RECOVERY 90° F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
		A	B	C	
21	16	46-1/2	18	39-1/2	90
21	16	59-1/2	18	53-1/2	106
21	16	54	20	47-1/2	116
21	16	60-1/4	20	52-3/4	134
21	16	60-1/4	20-1/2	53	178
21	16	60-1/2	22-1/2	52	208
21	16	64-1/4	28	54-1/4	336
21	16	36-1/2	20-1/2	28	90
21	16	44	20-1/2	37-3/4	103
21	16	48	21-1/2	40-1/2	121
21	16	30	22	22-1/2	111
21	13	30	20	22-1/2	113
21	12	31-1/4	23	24-5/8	113
21	16	32-1/2	24	24-5/8	118
21	16	34	26-1/2	25	164



SELECT® TABLE TOP



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GAL. CAP.	ELEMENT WATTAGE 240 VAC	
				STANDARD	MAXIMUM (GPH)
P6 40 20T4*	52	.88	40	4500	6000

Recoveries are rounded to nearest gallon

Water Connections – 3/4"

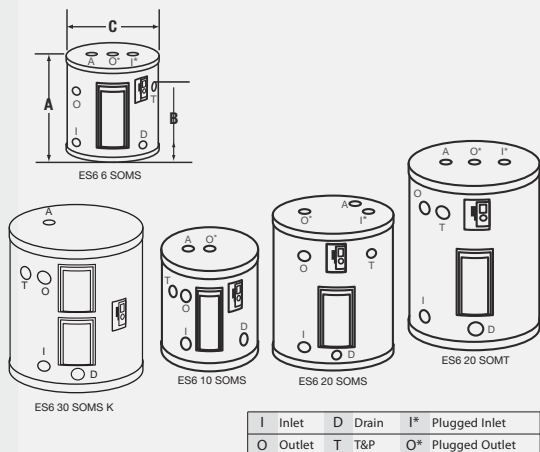
*This model supplied with heat traps standard

- Convenient flat surface at 36" height provides extra "counter space"
- All plumbing and electrical connections through back of water heater
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

RECOVERY 90° F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
		A	B	C	
21	12	36	25	24	170



SELECT® JUNIOR



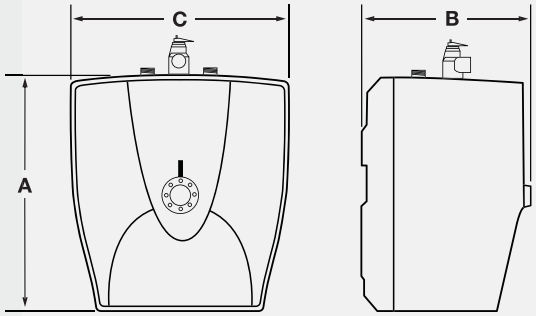
MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	ELEMENT WATTAGE	
				STANDARD 120 V	MAXIMUM 240V
ES6 6 SOMS	N/A	N/A	6	1650	3000
ES6 10 SOMS	N/A	N/A	10	1650	6000
ES6 20 SOMS	N/A	N/A	19	2500	6000
ES6 20 SOMET	N/A	N/A	19.9	2500	6000
ES6 30 SOMS K	37	.93	30	4500	6000
ES6 40 SOMNS K	43	.92	38	4500	6000

- Ideal for under-counter or crawl space installation
- Flexible Inlet & outlet connections for easier installation in tight spaces
- CSA certified and ASME rated T&P Relief Valve
- One heating element – two elements available on 30 & 40-gallon models
- Maximum hydrostatic working pressure: 150 psi
- 6-year limited tank and parts warranty

RECOVERY 90°F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
		HEIGHT (A)	T&P (B)	DIAMETER (C)	
8	8	15-1/4	10-3/4	14-1/4	35
8	8	18-1/4	12-1/4	16	41
8	8	24-3/4	18-1/2	18	68
8	8	31-5/8	25-3/4	16	68
8	16	30	22-1/2	22	111
8	12	31-1/2	24-5/8	23	115



SELECT® POINT-OF-USE



MODEL NUMBER	1ST HOUR RATING GALLONS	ENERGY FACTOR	GALLON CAPACITY	ELEMENT WATTAGE	
				STANDARD	MAXIMUM
ES6 2 SSUS K †	N/A	N/A	2.5	1500 @ 120V	

Water Connections – 1/2" NPT on Point-of-Use Model

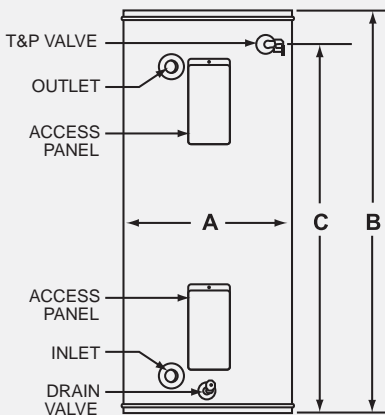
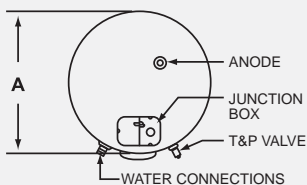
† Top mounted T&P adds approximately 3" additional to overall height

- For low-demand point-of-use applications
- 110/120 volt cord set, with 3-prong plug standard
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 150 psi
- Built-in hanging bracket
- 6-year limited tank and parts warranty

RECOVERY 90°F RISE WITH STANDARD ELEMENT (GPH)	R VALUE	DIMENSIONS IN INCHES			APPROXIMATE SHIPPING WEIGHT (LBS.)
		HEIGHT A	B	DIAMETER C	
7	8	13-3/4 †	11	13-3/4	20



MOBILE HOME



MODEL NUMBER	SERIES	GALLON CAPACITY	STANDARD VOLTAGE	ELEMENT WATTAGE UPPER/ LOWER	RECOVERY 90°F RISE WITH STANDARD ELEMENT (GPH)	1ST HOUR RATING GALLONS
MHEW2-30L-035DV	100	28	240	3500/3500	16	40
MHEW2-30H-035DV	100	30	240	3500/3500	16	43
MHEW2-40R-035DV	100	40	240	3500/3500	16	50
MHEW2-30L-030DV	100	28	120	3000/3000	14	40
MHEW2-30H-030DV	100	30	120	3000/3000	14	43
MHEW2-40R-030DV	100	40	120	3000/3000	14	50

Elements are high watt density type

- Dual 3500w Copper Elements (240VAC models) (optional dual 3000w elements at 120VAC)
- Side Inlet/Outlet Connections
- Durable, Tamper-Resistant Brass Drain Valve
- 6-year limited tank and parts warranty

ENERGY FACTOR	JACKET DIAMETER (INCHES) (A)	HEIGHT TO TOP OF HEATER (INCHES) (B)	HEIGHT TO SIDE T&P (INCHES) (C)	APPROXIMATE SHIPPING WEIGHT (LBS.)
.93	22	28-3/4	22-1/2	84
.93	18	45	38-1/2	77
.92	20	47-1/4	40-3/4	92
.93	22	28-3/4	22-1/2	84
.93	18	45	38-1/2	77
.92	20	47-1/4	40-3/4	92



State Gives You All The Commercial Water Heater Choices You Need!

For new construction or replacement applications, State offers you a complete selection of commercial gas and electric water heaters, as well as commercial storage tanks up to 12,500 gallons. The State Sandblaster® was the industry's first self-cleaning water heater, and the "State-of-the-art" continues to advance with great products like the Force 90™ & Force™ 90+ light commercial gas water heaters, with up to 96% thermal efficiency.



The self-cleaning Hydro Cannon™



SELF-CLEANING SANDBLASTER® GAS

With the Hydro Cannon™ self-cleaning cold water inlet device, Sandblaster delivers an even higher level of sediment-fighting effectiveness. By keeping sediment buildup to a minimum, Sandblaster maintains its rated energy-efficiency longer, and reduces energy costs.

Sandblaster is standard in "SBD" Series models with automatic flue damper, plus low NOx "SBN" Series Induced Draft models.

Ultra Force™ Gas **up to 96% Efficient**

96% thermal efficiency makes the Ultra Force the most efficient State commercial water heater ever! And now it's ENERGY STAR® Qualified.

Ultra Force is designed for ease of installation, with 0" clearance to combustibles, top-mounted gas and electrical connections, plus the versatility of standard power venting or power direct venting, which draws all combustion air from outside!

iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.



CODES AND STANDARDS

All State commercial gas water heaters meet the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition ASHRAE/IESNA 90.1.

The SUF and SBL models Comply with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of less than 20ppm and 14ng/j Low NOx requirements.

iCOMM™ AND iCOMM™ Elite REMOTE MONITORING SYSTEM



For information and ordering call 1-888-WATER02
or visit www.stateconnect.com

MODEL NUMBER	ITEM	DESCRIPTION
ICMS	iCOMM Communications Module	Main Communications board required for any iCOMM installation.
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 heater installed.
IABS	iCOMM Alarm Box	Accessory alarm box that includes an audible alarm and alarm light.

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



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

iCOMM™ Requirements

- Facility must have “always on” internet (wired or wireless)
- iCOMM compatible water heater

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
ELITESV120	SUF 60-120(A)
ELITESV150	SUF 100-150(A)
ELITESV199	SUF 100-199(A)
ELITESV250	SUF 100-250(A)
ELITESV300	SUF 130-300 A
ELITESV400	SUF 130-400 A
ELITESV500	SUF 130-500 A
ELITEGLDEL	CSB 52(A), 82(A), 120(A) IFE
ELITEC0520	SSE 5, 10, 20
ELITEC3050	SSE 30, 40, 50
ELITEC6512	SSE 65, 80, 100, 120

* 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.



BUILDING MANAGEMENT SYSTEM BACnet and MODBUS INTERFACE



Models

ETH-1000 Ethernet connection

XLTR-1000 Serial RS-485 connection

PROTOCOL	PART NUMBER	CONN. TYPE	APPLICATION
BACnet	9910093000	Serial (RS485)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE
	9910094000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
	9910099000	Ethernet (IP)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE
	9910100000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
Modbus	9910096000	Serial (RS485)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE
	9910097000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
	9910102000	Ethernet (IP)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE
	9910103000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less

- Heater connection wiring supplied with unit.
- For questions on this product Call 888-928-3702 Opt 1
- RTU and serial connect via RS-485
- Ethernet and IP connect via RJ-45
- Compatible with All SUF models, Force 90+ model, CSB(I) 52-120 models, SSE, SEV and SEH <150kW models





Connect your State water heater to your building management system using the new Millennium control from ICC* (Industrial Control Communications, Inc.)

- Works with Commercial Gas Ultra Force models, Commercial Electric Sandblaster models with immersion thermostat, and Specialty Commercial Electric models SSE, SEV, SEH 150kW or less

- Use the ICC Control to enable/disable the water heater

- Change Temperature Set points and differentials

- Two models with four different configurations to connect to BACnet and Modbus

- Ethernet and Serial RS-485 versions available

- 2 wire or 4 wire RS-485 Network

- Power can be supplied via the USB cable, as a 7-24 VDC input on the main terminal Block, or via IEEE 802.3af Power over Ethernet (PoE on ETH-1000 only)

- Configure protocols, network characteristics, and client/server object definitions

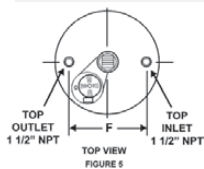
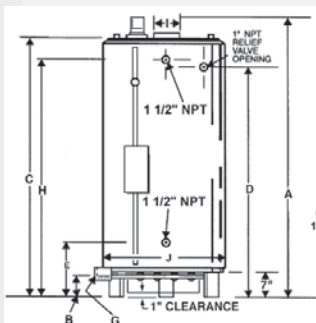
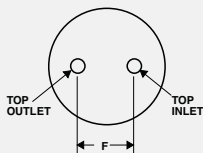
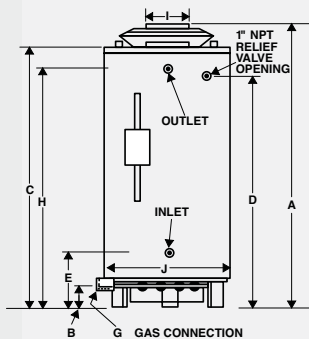
- Graphically interact with the internal database in real-time via USB connection

- Automatically discover and configure IP settings Ethernet gateways connected to the current subnet

- Update Firmware

SANDBLASTER®

SBS Series – Light Duty
SBD Series



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100°F RISE
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SBS LIGHT-DUTY MODELS

SBS65 65NE	65	65,000	106
SBS75 76NE	74	75,100	125
SBS100 76NE	98	75,100	142

SBD MODELS

SBD71 120NE	71	120,000	166
SBD81 154NE	81	154,000	206
SBD81 180NE	81	180,000	232
SBD81 199NE	81	199,000	241
SBD100 199NET	100	199,000	263
SBD100 199NE	100	199,000	263
SBD100 199NES*	100	199,000	263
SBD100 250NE*	100	250,000	312
SBD65 251NE*	65	251,000	289
SBD100 275NE*	100	275,000	337
SBD65 305NE*	65	305,000	342
SBD85 365NE*	85	365,000	414
SBD100 390NE*	100	390,000	458
SBD85 500NE*+	85	500,000	545

+Induced Draft Design, Category I Venting

*Available with ASME tank construction

To order ASME construction, add "A" to model number (SBD100 199NES A)

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



SBS series feature

- Standing pilot
- CSA certified and ASME rated T&P Relief Valve
- Meets Texas and other low NOx areas requiring 40 ng/j
- Maximum hydrostatic working pressure: 160 psi
- Three-year limited tank warranty

SBD series feature

- Self-cleaning feature – reduces harmful sediment buildup inside tank; SBD Series features Hydro Cannon™ design when front cold water connection is used
- Automatic Flue Damper (120-390 models)
 - Minimizes standby heat loss
 - SBD85-500 model features induced draft design and no damper
- Low-profile draft diverter facilitates installation in tight spaces
- Thermostat dual controller reduces thermal stacking inside tank
- On/Off power switch
- Intermittent electronic ignition eliminates standing pilot
- Multiple anode rods with stainless steel cores for longer life
- Tank inspection port/cleanout
- 80% thermal efficiency – meets the thermal efficiency and standby loss requirements of the U. S. Department of Energy and current edition of ASHRAE/IESNA 90.1
- Three-year limited warranty

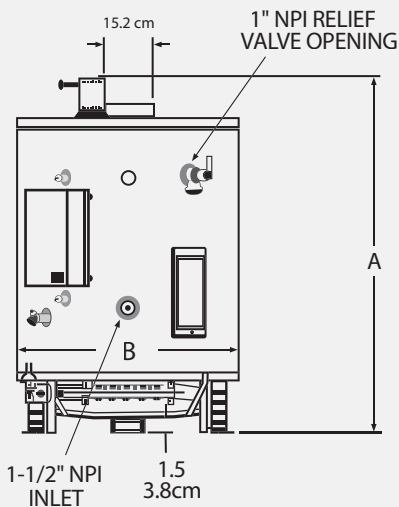
RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)	
80° RISE	100° RISE	HEIGHT (A)**	DIAMETER (B)	STANDARD	ASME
75	60	63-3/4	22	215	–
90	72	61-1/8	25-1/2	271	–
92	74	68-3/4	26-1/2	350	–
145	116	69-3/4	27-3/4	400	–
187	149	73	27-3/4	470	–
218	175	67-1/2	27-3/4	470	–
230	184	67-1/2	27-3/4	470	–
241	193	75	27-3/4	603	–
241	193	75	27-3/4	603	–
241	193	72	30-1/4	630	724
303	242	72	30-1/4	630	724
304	243	75	27-3/4	750	862
333	267	72	27-3/4	630	724
370	296	75	27-3/4	750	862
442	354	79-1/2	27-3/4	725	833
485	388	75-1/2	30-1/4	760	874
606	485	82-1/4	27-3/4	745	856

**Height shown is to top of draft hood



SANDBLASTER®

SBD30 Series – Boosters



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 ST HOUR DELIVERY GALLONS @ 100°F RISE
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SBD30 MODELS

SBD30 150 NE	32	150,000	167
SBD30 199 NE	32	199,900	216

Available with ASME tank construction. To order ASME construction, add "A" to model number (SBD30 199 NE **A**)

Booster models have induced draft and no damper



- State Hydro Cannon™ self-cleaning device
- Induced-draft design
- Rated as Category I appliance
- Multiple anode rods
- Three water connection options
- Intermittent electronic ignition
- CSA certified and ASME rated T&P Relief Valve
- Maximum hydrostatic working pressure: 160 psi
- 80% thermal efficiency
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1

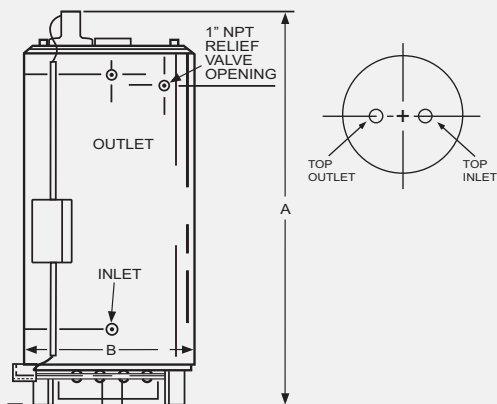
RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (POUNDS)	
80° RISE	100° RISE	HEIGHT (A)*	DIAMETER (B)	STANDARD	ASME
182	145	45	27-3/4	460	440
242	194	45	27-3/4	460	440

*Height shown is to top of blower unit



SANDBLASTER®

SBN Series – Low NOx Induced Draft



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 ST HOUR DELIVERY GALLONS @ 100° F RISE
SBN71 120NE	71	120,000	166
SBN81 154NE	81	154,000	206
SBN100 180NE	100	180,000	245
SBN95 199NE	99	199,000	263
SBN100 199NE	100	199,000	263
SBN100 200NES*	100	199,000	263
SBN100 250NE*	100	250,000	312
SBN100 275NE*	100	275,000	337
SBN85 310NE*+	85	310,000	360
SBN85 366NE*	85	366,000	415
SBN85 390NE*	85	390,000	438

+Meets 82% TE Utility Rebate

*Available with ASME tank construction. To order ASME construction, add "A" to model number
Example: SBN100 200NES A.



- Hydro Cannon™ self-cleaning feature – reduces harmful sediment buildup inside tank
- Built-in induced-draft blower – no draft hood or barometric damper required
- Meets Texas and other areas requiring low Nox of 40ng/j
- Front, top or rear water connection options
- On/Off power switch
- Intermittent ignition device eliminates standing pilot
- ASME tank construction available on some models
- Anode rods with stainless steel core
- Tank inspection port
- Maximum hydrostatic working pressure: 160 psi

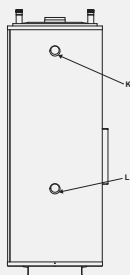
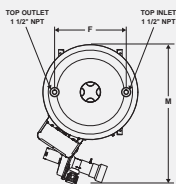
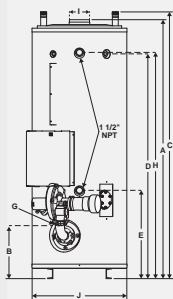
RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)	
80° RISE	100° RISE	HEIGHT**	DIAMETER	STANDARD	ASME
144	115	63	27-3/4	520	–
185	148	68	27-3/4	550	–
217	173	72	27-3/4	550	–
239	192	72	27-3/4	620	–
239	192	72	27-3/4	550	–
239	192	72	27-3/4	660	710
301	241	72	27-3/4	660	710
331	265	72	27-3/4	660	710
373	298	73	27-3/4	720	770
440	352	73	27-3/4	830	880
469	375	73	27-3/4	830	880

**Height shown is to top of blower outlet

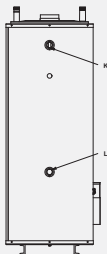
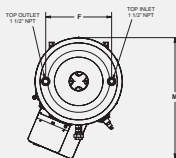
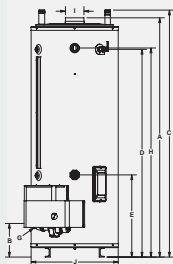


SANDBLASTER® ULTRA-LOW NOx

SBL120-250



SBL275-390



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 ST HOUR DELIVERY GALLONS @ 100° F RISE
SBL81 120NE	81	120,000	176
SBL81 154NE	81	154,000	210
SBL95 180NE	93	180,000	244
SBL95 199NE	93	199,000	263
SBL95 250NE(A)*	93	250,000	313
SBL85 275NE(A)*	85	275,000	330
SBL85 310NE(A)*	85	310,000	366
SBL85 366NE(A)*	85	366,000	421
SBL85 390NE(A)*	85	390,000	445

*"A" after model number designates ASME construction

All models rated at 82% thermal efficiency

Ultra-Low NOx models are manufactured for use in California

Complies with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of less than 20ppm and 14ng/j Low NOx requirements.



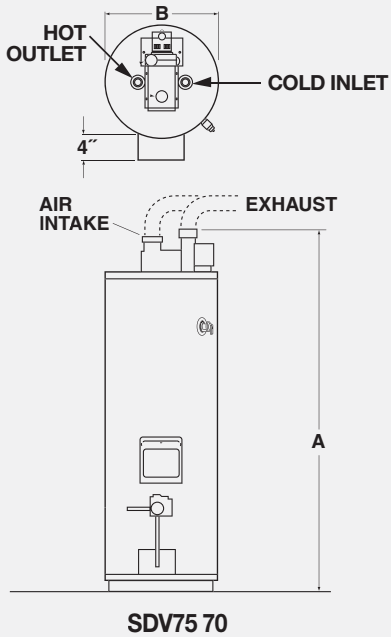
- Ultra-Low NOx Meets current SCAQMD 1146.2 of less than 14 ng/j
- 82% Thermal Efficiency
- Hydro Cannon™ self-cleaning feature
- Fan assisted Combustion
- Category 1 appliance uses double wall 'b' vent
- No draft hood or barometric damper required
- Top, front and rear water connections
- Fully automatic digital control with safety shutoff
- Intermittent ignition device

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)	
80° RISE	100° RISE	HEIGHT**	DIAMETER	STANDARD	ASME
149	119	68-1/4	27-3/4	750	–
191	153	68-1/4	27-3/5	750	–
224	179	76	27-3/6	835	–
247	198	76	27-3/7	835	–
311	248	76	27-3/8	835	880
339	271	79	27-3/9	850	900
382	306	76	27-3/10	850	900
451	361	76	27-3/11	850	900
481	385	76	27-3/12	850	900



SANDBLASTER® FORCE™

Power Direct Vent



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100° F RISE
SDV75 70NE	75	70,000	117

To order propane, change "N" to "P" in model number (SDV75 70PE)
 BTU input per hour on LP model is 65,000



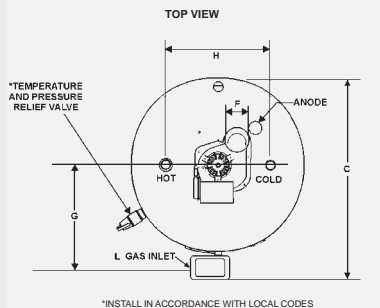
- Non-condensing, up to 85% thermal efficiency
- Self-cleaning feature – reduces harmful sediment buildup inside tank
- Power direct vent design draws all combustion make-up air from outside, eliminates negative air pressure issues
- Installs with 3 Inch Installer-Friendly schedule 40 PVC pipe
- On/Off power switch
- Intermittent electronic ignition
- Maximum hydrostatic working pressure: 150 psi
- Turbo Force dip tube reduces harmful sediment buildup in the tank.

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
80° RISE	100° RISE	HEIGHT (A)*	DIAMETER (B)	
81	64	69-5/8	26	352

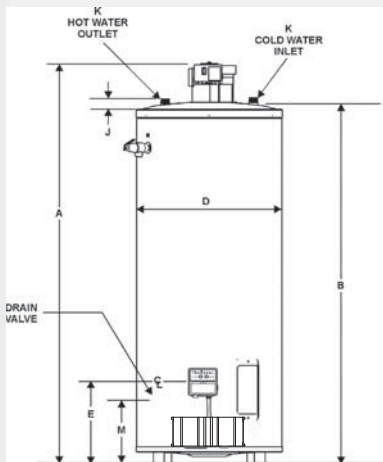
*Height to top of blower outlet



SANDBLASTER® ULTRA-LOW NOx



*INSTALL IN ACCORDANCE WITH LOCAL CODES



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR	1 st HOUR DELIVERY GALLONS @ 100°F RISE	VENT SIZE (INCHES)	A
					SBB75 76NE

Complies with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm

Ultra-Low NOx heaters are manufactured for use in California



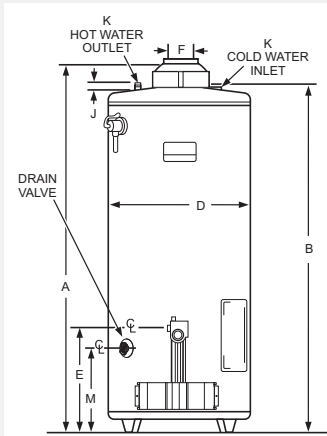
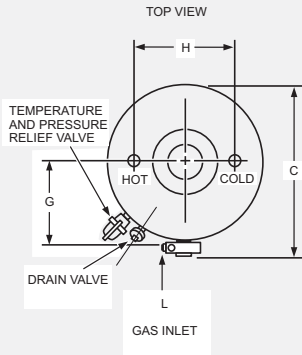
- Ultra-Low NOx Emissions
- Factory-Installed Blower
- Intelli-Vent™ Gas Control
- Rated as Category I Appliance
- Fully Automatic Control System
- Glasslined Tank
- Handhole Cleanout
- CSA Certified and ASME Rated T&P Relief Valve
- Maximum Hydrostatic Working Pressure: 150 PSI
- 80% Thermal Efficiency

DIMENSIONS IN INCHES											APPROX. SHIPPING WEIGHT (LBS.)
B	C	D	E	F	G	H	J	K	L	M	
57-7/8	30-15/16	25-1/4	15-1/2	4	15-3/8	16	2-1/4	1	1/2	12-1/4	300

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



SANDBLASTER® ULTRA-LOW NOx



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR	1 st HOUR DELIVERY GALLONS @ 100°F RISE	A	B
				SBL100 76NE	98

Complies with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm

Ultra-Low NOx heaters are manufactured for use in California



- Fully Automatic Controls with Safety Shutoff

- Heavy Gauge Steel Jacket

- Glasslined Tank

- Foam Insulation

- Ultra-Low NOx Emissions

- Easy to Install

- Draft Diverter

- Maximum Working Pressure: 150 PSI

- Maximum Gas Inlet Pressure: 14" W.C.

- Handhole Cleanout

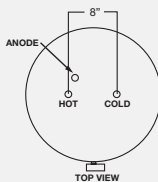
- Three Year Limited Tank Warranty / One Year Limited Parts Warranty

DIMENSIONS IN INCHES											APPROX. SHIPPING WEIGHT (LBS.)
C	D	E	F	G	H	J	K	L	M		
30-15/16	27-3/4	15-3/16	4	15-3/4	16	1-1/4	1-1/4	1/2	11-15/16		350

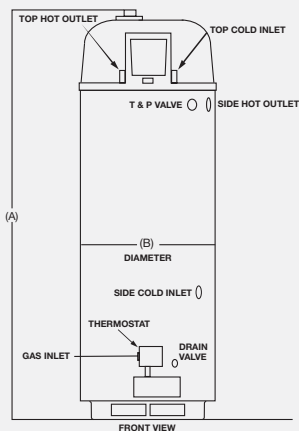


FORCE™ 90

For Light-Duty Applications
90% Thermal Efficiency 50-Gallon/76,000 BTU, Power Vent Design



* INSTALL IN ACCORDANCE WITH LOCAL CODES



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100° F RISE
SHE50 76NE	50	76,000	123

Maximum vent distances:

Using 2" PVC pipe: 25 equivalent feet

Using 3" PVC pipe: 65 equivalent feet

Using 4" PVC pipe: 128 equivalent feet



- ENERGY STAR® Qualified

- Fully submerged helical coil heat exchanger produces 90% thermal efficiency

- 76,000 BTU input results in 123-gallon first hour delivery, 83 GPH recovery

- Power-vent capabilities up to 128 equivalent feet, using 2," 3" or 4" PVC pipe

- Concentric vent capable - Kit # 9006328005

- Side-mounted recirculating taps for "combination" systems

- Intelli-Vent™ power gas control valve with silicon nitride hot surface ignitor

- Green Choice® gas burner – Complies with Texas and other Low NOx areas requiring 40 ng/j

- Dual heavy-duty anode rods

- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup

- CSA certified and ASME rated T&P Relief Valve

- Maximum hydrostatic working pressure: 150 psi

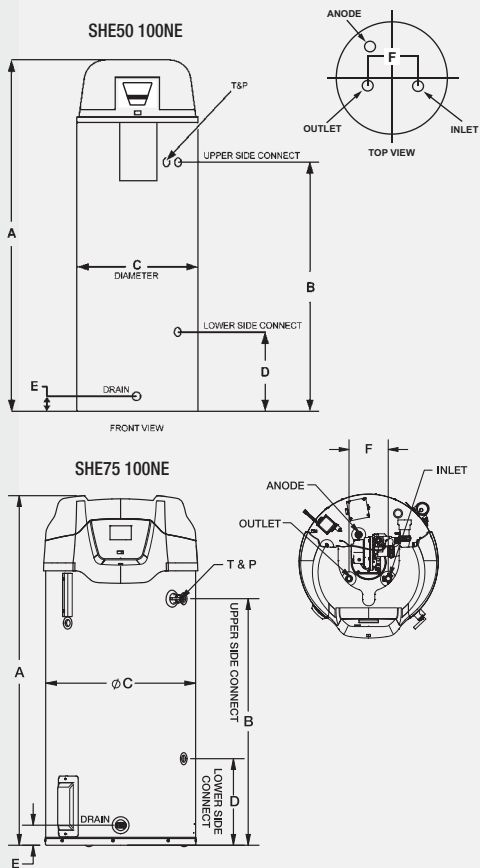
RECOVERY – GPH @ DEGREE F RISE			DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
40° RISE	100° RISE	140° RISE	HEIGHT (A)*	DIAMETER (B)	
206	83	59	70-5/8	22	210

*Height to top of blower outlet
 Available in Natural gas only
 Intelli-Vent™ is a registered trademark of Emerson Electric Company



FORCE™ 90+

For Light Duty Applications — 96% Thermal Efficiency, 50-Gallon/100,000 BTU, Power Direct Vent Design, Natural Gas & Propane Advanced Electronic Control



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100°F RISE
SHE50 100NE	50	100,000	164
SHE75 100NE	75	100,000	182

Maximum vent distances:

Using 2" PVC pipe: 45 equivalent feet

Using 3" PVC pipe: 128 equivalent feet



iCOMM™ Compatible and can be monitored from remote locations.
Call 1.888.WATER02 for more information.



- ENERGY STAR® Qualified

- Fully submerged helical coil heat exchanger produces 96% thermal efficiency

- 100,000 BTU input results in 164-gallon first hour delivery, 116 GPH recovery at 100°F rise

- Power direct vent design. Vents up to 40 equivalent feet in 2" PVC pipe and up to 128 equivalent feet in 3" PVC pipe

- Concentric vent capable - Kit # 9003910105

- Side-mounted recirculating taps for "combination" systems

- Top-fired burner system

- Advanced electronic control provides large LCD display, precise temperature control & advanced diagnostics
- iCOMM™ compatible - call 1.888.WATER02 for more information

- Dual heavy-duty anode rods

- Long-lasting PEXAN™ cross-linked polymer dip tube, with diffuser design to help reduce lime and sediment buildup

- CSA certified and ASME rated T&P Relief Valve

- Maximum hydrostatic working pressure: 150 psi

- Complies with California SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements of 14 ng/j or 20 ppm

- BACnet and Modbus connectivity available with the iCC Gateway device

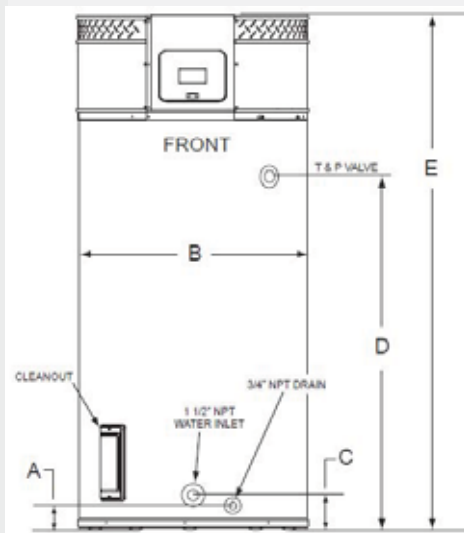
RECOVERY – GPH @ DEGREE F RISE			DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
40° RISE	100° RISE	140° RISE	HEIGHT (A)*	DIAMETER (B)	
291	116	83	66-3/4	22	255
291	116	83	64-3/4	27-3/4	382

*Height to top of blower outlet
Available in natural gas and propane (LP)



ULTRA FORCE™

SUF Series – Upto 96% Thermal Efficiency, Standard Power Vent or Power Direct Vent Operation, State-of-the-Art Electronic Control



MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL/PROPANE	THERMAL EFFICIENCY
SUF60 120NE	60	120,000	95%
SUF100 150NE	100	150,000	95%
SUF100 199NE	100	199,900	95%
SUF100 250NE	100	250,000	95%
SUF130 300 NE	130	300,000	96%
SUF130 400 NE	130	399,900	96%
SUF130 500 NE	130	499,900	96%

For ASME tank construction, add "A" to model number (SUF100 250 NE **A**)



iCOMM™ Compatible and can be monitored from remote locations.
Call 1.888.WATER02 for more information.



- ENERGY STAR® Qualified
- Up to 96% thermal efficiency – our most efficient gas water heater delivers higher output with lower input than larger conventional units
- Standard Power Vent or Power Direct Vent Flexibility
 - Vertical or sidewall power venting
 - Vertical or sidewall powered direct vent draws all combustion air from outside the building
- Concentric vent capable
 - SUF-60-120NE(A) - SUF-130-300NE(A) - Kit # 9006328005
 - SUF-130-400NE(A) and SUF-130-500NE(A) - Kit # 9006144005
- Zero clearance to combustibles on all sides; combustible floor approved
- Combustion air blower, all controls and gas valves located on top of unit for protection against high water
- Advanced LCD control panel, with status and fault indicating display icons, digital temperature and plain english mode display
 - iCOMM™ compatible - call 1.888.WATER02 for more information
- Vents using PVC, ABS or CPVC pipe
- ASME tank construction available on all models
- Low NOx emissions – all models comply with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for low NOx emissions
- Maximum hydrostatic working pressure: 160 psi
- BACnet and Modbus connectivity available with the iCC Gateway device

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
80° RISE	100° RISE	HEIGHT (A)*	DIAMETER (B)	
173	138	55-1/2	27-3/4	460
216	173	75-1/2	27-3/4	555
288	230	75-1/2	27-3/4	555
360	288	75-1/2	27-3/4	555
436	349	75-1/2	33-1/8	855
582	465	75-1/2	33-1/8	855
720	576	75-1/2	33-1/8	855

SUF60 120NE - SUF100 250NE



SUF60 120NE - SUF100 250NE



STATE TITAN®

Powered Burner, GPG Series – Natural or Propane Gas,
GPV Direct-Vent Series – Natural or Propane Gas



- First hour deliveries from 193 to 778 gallons
- Recovers (100° Rise) from 136 to 718 GPH
- UL-listed powered gas burner with electronic flame monitoring, direct-spark ignition, redundant gas valves
- GPG models are atmospheric vent, also available as horizontal and direct-vent GPV models

Note: For line drawing refer to product spec sheet

MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100° F RISE
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GPG Series Natural or Propane Gas*

GPG 81 140NE	81	140,000	193
GPG 81 140NEA †	81	140,000	193
GPG 81 199NE	81	199,000	250
GPG 81 199NEA †	81	199,000	250
GPG 81 270NE	81	270,000	319
GPG 81 270NEA †	81	270,000	319
GPG 81 370NE	81	370,000	416
GPG 81 370NEA †	81	370,000	416
GPG85 540NEA***	85	540,000	583
GPG85 650NEA***	85	650,000	690
GPG85 740NEA***	85	740,000	778

GPO Series Oil

GPO 86 1990E	86	199,000	253
GPO 86 2450E	86	245,000	298
GPO 84 3150E**	84	315,000	363
GPO 75 3850E**	75	385,000	425
GPO 75 4550E**	75	455,000	493
GPO 69 7000E**	69	700,000	727

*For propane gas models, change "N" to "P" in model number (GPG 81 140PE)

**Available with ASME tank construction. To order, add "A" to model number (GPO 84 3150E A)

***Available as "GPV" Direct-Vent models. To order, change "GPG" to "GPV"

in model number (GPV85 540NEA)

† Indicates ASME tank construction



GPO Series Oil

- First hour deliveries from 253 to 727 gallons
- Recoveries (100° Rise) from 193 to 679 GPH
- UL-listed oil burner, for No. 1 and No. 2 commercial-grade fuel oil
- Burner observation port

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
80° RISE	100° RISE	HEIGHT	WIDTH	DEPTH	
168	136	85-1/4	27-3/4	38	556
168	136	85-1/4	27-3/4	38	658
238	193	85-1/4	27-3/4	38	545
238	193	85-1/4	27-3/4	38	635
324	262	85-1/4	27-3/4	38	547
324	262	85-1/4	27-3/4	38	632
444	359	85-1/4	27-3/4	38	634
444	359	85-1/4	27-3/4	38	731
655	523	74-3/4	29-1/2	48-1/2	950
788	630	74-3/4	29-1/2	48-1/2	950
897	718	74-3/4	29-1/2	48-1/2	950
241	193	74-3/4	24-3/4	37	553
297	238	74-3/4	24-3/4	37	554
382	305	74-3/4	24-3/4	37	554
467	373	74-3/4	24-3/4	37	624
552	441	74-3/4	24-3/4	37	700
848	679	79-1/2	24-3/4	37	739



STATE TITAN® LV

Large-Volume, Powered Burner, TPG Series – Natural or Propane Gas, TPO Series – Oil, TPD Series – Gas/Oil “Dual Fuel”, TPX Series – Low-NOx Natural Gas



Note: For line drawing refer to product spec sheet

MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100° F RISE
TPG 150 140 NEA	150	140,000	256
TPG 150 199 NEA	150	199,000	313
TPG 150 255 NEA	150	255,000	367
TPG 150 270 NEA	150	270,000	382
TPG 150 400 NEA*	150	400,000	507
TPG 150 540 NEA*	150	540,000	644
TPG 150 720 NEA*	150	720,000	818
TPG 200 300 NEA*	200	300,000	451
TPG 200 600 NEA*	200	600,000	742
TPG 200 800 NEA*	200	800,000	936
TPG 200 1000 NEA*	200	1,000,000	1130
TPG 200 1250 NEA*	200	1,250,000	1372
TPG 200 1500 NEA*	200	1,500,000	1615

Additional models continued on page 104-105

For propane gas, change “NEA” to “PEA” (TPG150 140 PEA)

For oil, change “TPG” to “TPO” and change “NEA” to “OEA” (TPO150 140OEA)

On “TPO” models, add 100 pounds to Approx. Shipping Weight

For natural gas/oil dual-fuel, change “TPG” to “TPD” and change “NEA” to “ONEA” (TPD150 140ONEA)

For propane gas/oil dual-fuel, change “TPG” to “TPD” and change “NEA” to “OPEA” (TPD150 140OPEA)

*Indicates availability as “TPX” low-NOx natural gas model.

Change “TPG” to “TPX” (TPX150 400NEA)



- High storage and inputs make State Titan® LV a great choice for large hotels, hospitals and other high-demand installations
- Installs in much smaller footprint than comparable-output boiler/storage tank installations, or conventional commercial gas water heaters installed in multiples
- UL-listed powered gas burner with electronic flame safeguard controls, intermittent electronic ignition, automatic gas valves, diaphragm air switch for proof of blower operation
- First hour deliveries from 256 to 2,904 gallons
- Recoveries (100° Rise) from 136 to 2,424 GPH
- Burner observation port
- Rated as Category I appliances, can be commonly vented with other Category I appliances, using Type "B" metal venting
- "TPX" models comply with Texas and other Low NOx areas of less than 30PPM

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES				APPROX. SHIP. WT. (LBS.)
80° RISE	100° RISE	HEIGHT	WIDTH	DEPTH	VENT	
170	136	82-1/4	36-1/2	47	5	1292
241	193	82-1/4	36-1/2	47	6	1292
359	247	82-1/4	36-1/2	47	6	1292
327	262	82-1/4	36-1/2	57-1/2	6	1397
485	388	82-1/4	36-1/2	57-1/2	7	1397
654	524	82-1/4	36-1/2	57-1/2	8	1505
873	698	82-1/4	36-1/2	57-1/2	10	1510
364	291	84-1/2	44-3/4	66-1/2	6	2098
727	582	84-1/2	44-3/4	66-1/2	8	2098
970	776	84-1/2	44-3/4	66-1/2	10	2103
1212	970	84-1/2	44-3/4	66-1/2	10	2103
1515	1212	84-3/4	44-3/4	66-1/2	12	2467
1818	1454	84-3/4	44-3/4	81-1/2	12	2675



STATE TITAN® LV

Continued from previous page.

MODEL NUMBER	GAL. CAP.	BTU INPUT PER HOUR NATURAL	1 st HOUR DELIVERY GALLONS @ 100° F RISE
TPG 300 300 NEA*	300	300,000	531
TPG 300 600 NEA*	300	600,000	822
TPG 300 800 NEA*	300	800,000	1016
TPG 300 1000 NEA*	300	1,000,000	1210
TPG 300 1250 NEA*	300	1,250,000	1452
TPG 300 1500 NEA*	300	1,500,000	1695
TPG 400 600 NEA*	400	600,000	902
TPG 400 800 NEA*	400	800,000	1096
TPG 400 1000 NEA*	400	1,000,000	1290
TPG 400 1250 NEA*	400	1,250,000	1532
TPG 400 1500 NEA*	400	1,500,000	1775
TPG 400 1750 NEA*	400	1,750,000	2017
TPG 400 2000 NEA*	400	2,000,000	2259
TPG 500 2250 NEA	500	2,250,000	2582
TPG 500 2500 NEA	500	2,500,000	2824
TPG 600 720 NEA*	600	720,000	1178
TPG 600 1000 NEA*	600	1,000,000	1450
TPG 600 1250 NEA*	600	1,250,000	1692
TPG 600 1500 NEA*	600	1,500,000	1935
TPG 600 1750 NEA*	600	1,750,000	2177
TPG 600 2000 NEA*	600	2,000,000	2419
TPG 600 2250 NEA	600	2,250,000	2662
TPG 600 2500 NEA	600	2,500,000	2904

For propane gas, change "NEA" to "PEA" (TPG150 140 **PEA**)

For oil, change "TPG" to "TPO" and change "NEA" to "OEA" (**TPO**150 140**OEA**)

On "TPO" models, add 100 pounds to Approx. Shipping Weight

For natural gas/oil dual-fuel, change "TPG" to "TPD" and change

"NEA" to "ONEA" (**TPD**150 140**ONEA**)

For propane gas/oil dual-fuel, change "TPG" to "TPD" and change

"NEA" to "OPEA" (**TPD**150 140**OPEA**)

*Indicates availability as "TPX" low-NOx natural gas model.

Change "TPG" to "TPX" (**TPX**150 400**NEA**)



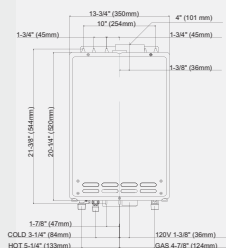
RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES				APPROX. SHIP. WT. (LBS.)
80° RISE	100° RISE	HEIGHT	WIDTH	DEPTH	VENT	
364	291	92	44-3/4	66-1/2	6	2150
727	582	92	44-3/4	66-1/2	8	2150
970	776	92	44-3/4	66-1/2	10	2308
1212	970	92	44-3/4	66-1/2	10	2308
1515	1212	92	44-3/4	66-1/2	12	2584
1818	1454	92	44-3/4	81-1/2	12	2774
727	582	89	55	76-1/2	8	3207
970	776	89	55	76-1/2	10	3212
1212	970	89	55	76-1/2	10	3212
1515	1212	89	55	76-1/2	12	3212
1816	1454	89	55	91-1/2	12	3402
2121	1697	96-1/4	55	91-1/2	14	3528
2424	1939	108	55	91-1/2	14	3669
2727	2182	108	55	91-1/2	16	3888
3030	2424	114	55	91-1/2	16	4169
873	698	114	55	76-1/2	10	3567
1212	970	114	55	76-1/2	10	3567
1515	1212	114	55	76-1/2	12	3737
1816	1454	114	55	91-1/2	12	3737
2121	1697	114	55	91-1/2	14	3737
2424	1939	114	55	91-1/2	14	3737
2727	2182	114	55	91-1/2	16	4377
3030	2424	114	55	91-1/2	16	4519



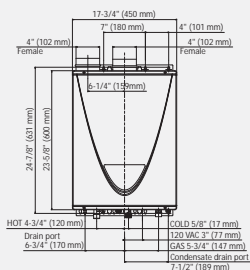
TANKLESS

Commercial Gas Water Heaters

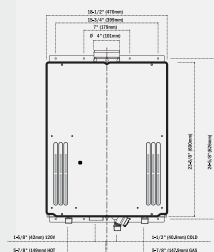
510/510U Models



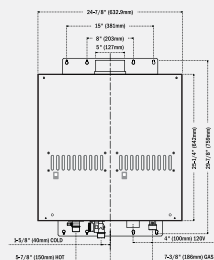
540H Model



710 Model



910 Model



MODEL NUMBER

ENERGY FACTOR

BTU INPUT NATURAL/PROPANE

HOT WATER OUTPUT (GPM)

MINIMUM

MAXIMUM

MAX.

45°F RISE

70°F RISE

NON-CONDENSING MODELS

MODEL NUMBER	ENERGY FACTOR	BTU INPUT NATURAL/PROPANE MINIMUM	BTU INPUT NATURAL/PROPANE MAXIMUM	HOT WATER OUTPUT (GPM) MAX.	HOT WATER OUTPUT (GPM) 45°F RISE	HOT WATER OUTPUT (GPM) 70°F RISE
GTS-510-NI	.82	11,000	199,000	10.0	7.2	4.7
GTS-510U-NI	.82	15,000	199,000	10.0	7.2	4.7

CONDENSING MODEL

GTS-540-NIH	.95	15,000	199,000	10.0	8.4	5.4
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710/910 MODELS

MODEL NUMBER	THERMAL EFFICIENCY NG / LP	BTU INPUT NATURAL/PROPANE MINIMUM	BTU INPUT NATURAL/PROPANE MAXIMUM	HOT WATER OUTPUT (GPM) MAX.	HOT WATER OUTPUT (GPM) 45°F RISE	HOT WATER OUTPUT (GPM) 70°F RISE
GTS-710-NIE	82% / 84%	24,000	240,000	9.0	8.5	5.5
GTS-710-NIEA*	82% / 84%	24,000	240,000	9.0	8.5	5.5
GTS-910-NIE	80% / 82%	15,000	380,000	14.5	13.5	8.7
GTS-910-NIEA*	80% / 82%	15,000	380,000	14.5	13.5	8.7

For propane, change "N" to "P" in model number (GTS-510-PI or GTS-510-PE).

For outdoor models, change "I" to "E" (GTS-510-NE)

Models can be installed in recirculation applications and they Easy-Link up to 4 units.

*ASME Models

710/910 models are not ENERGY STAR® Qualified



510/510U Models

- ENERGY STAR® Qualified
- Eligible for Federal Tax Credit
- Category III Venting
- Indoor and Outdoor Models
- Low NOx and Ultra-Low NOx Emissions
- Commercial-Grade Copper HRS35 Heat Exchanger
- Models are non-condensing
- Easy-Link up to 4 Units
- Multi-Link up to 20 Units (510U Models only)

710/910 Models

- HRS35 Commercial-Grade Copper Heat Exchanger (non-ASME models)
- ASME Models Available
- Category III Stainless Steel Venting - 4" for 710 models and 5" for 910 models
- Vertical or Horizontal Venting Installation
- Power Vent Design
- Electronic Ignition
- Low NOx Emissions
- Combined Indoor/Outdoor models
- Easy-Link up to 4 Units
- Multi-Link up to 20 Units (710 Models only)
- Multi-Link Up to 10 Units (910 Models)

540H Model

- Condensing Technology Provides Significant Energy Cost Savings
- ENERGY STAR® Qualified
- Eligible for Federal Tax Credit
- Built-in Display Shows Operating Temperature Diagnostic Codes
- Condensing design allows for PVC, CPVC or ABS pipe for Intake and Exhaust (solid core only)
- Power Direct Vent design
- Ultra-Low NOx Emissions
- Commercial-Grade Copper HRS35 Primary Heat Exchanger
- Marine-grade 316L Stainless Steel Secondary Heat Exchanger
- Easy-Link up to 4 Units
- Multi-Link up to 20 Units

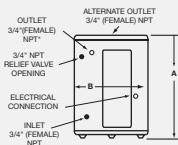
10-year Heat Exchanger Warranty/
5-year Limited Parts Warranty

DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
HEIGHT (A)	WIDTH (B)	DEPTH (C)	
20-1/2	13-3/4	8-1/2	45
20-1/4	13-3/4	9-1/2	39
23-5/8	17-3/4	11-1/4	59
23-3/5	18-1/2	10	59
23-3/5	18-1/2	10	59
24-7/8	25-1/4	12-1/4	112
24-7/8	25-1/4	12-1/4	112

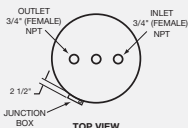




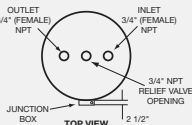
TOP VIEW
PCE 6 10MSA, PCE 10 10MSA
PCE 17 10MSA, PCE 20 10MSA



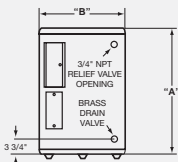
FRONT VIEW
PCE 6 10MSA, PCE 10 10MSA
PCE 17 10MSA, PCE 20 10MSA



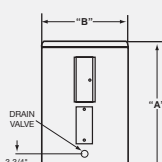
TOP VIEW
PCE 30 20LSA, PCE 40 20LSA,
PCE 50 20LSA



TOP VIEW



FRONT VIEW
PCE 30 20LSA, PCE 40 20LSA,
PCE 50 20LSA



FRONT VIEW
PCE 30 20RTA – PCE 120 20RTA

MODEL NUMBER	GAL. CAP.	STANDARD ELEMENT WATTAGE – KW		MAXIMUM ELEMENT WATTAGE – KW	
		120V	208V	120V	240V

COMPACT MODELS

PCE 6 10MSA	6	1.5	–	3	3
PCE 10 10MSA	10	1.5	–	3	6
PCE 17 10MSA	15	1.5	–	3	6
PCE 20 10MSA	20	1.5	–	3	6

LOWBOY MODELS

PCE 30 20LSA*	30	–	4.5	3	6
PCE 40 20LSA*	40	–	4.5	3	6
PCE 50 20LSA*	50	–	4.5	3	6

TALL MODELS

PCE 30 20RTA*	30	–	4.5	3	6
PCE 40 20RTA*	40	–	4.5	3	6
PCE 52 20RTA*	50	–	4.5	3	6
PCE 66 20RTA*	66	–	4.5	3	6
PCE 82 20RTA*	80	–	4.5	3	6
PCE 120 20RTA*	119	–	4.5	3	6

*Indicates double-element model

Recovery based on maximum wattage – single-element or interlocked double element 240V models



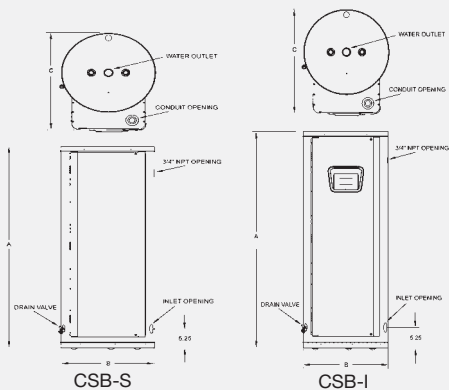
- Ideal for the hot water needs of small to medium demand applications
- For under-counter installation, Compact and Lowboy models offer heights from 15-1/2" to 32-1/4"
- Direct-immersion threaded heating elements
- Interlock or simultaneous wiring on double-element models
- 180° surface-mounted thermostats on double-element models
- Shipped with standard wattages shown below unless other wattages are specified when ordering. See detailed product specifications for available wattages at different voltages.

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
90° RISE	100° RISE	HEIGHT (A)	DIAMETER (B)	
18	16	15-1/2	14-1/4	35
28	25	18-1/4	18	54
28	25	26	18	58
28	25	21-3/4	21-1/4	73
28	25	30-7/8	21-3/4	100
28	25	32-1/4	24	125
28	25	32-1/4	26-1/2	166
28	25	34-1/2	20-1/2	98
28	25	45-1/8	20-1/2	113
28	25	57-7/8	20-1/2	131
28	25	60-3/4	21-1/2	176
28	25	59-3/8	24	211
28	25	62-3/8	29-3/8	326



SANDBLASTER®

CSB Series



MODEL
NUMBER

TOTAL
WATTAGE

KW INPUT

NUMBER OF
ELEMENTS

1ST HOUR DELIVERY
GALLONS @ 100° RISE

50 GALLON MODELS

CSB 52 6 IFE	6,000	6	3	61
CSB 52 9 IFE	9,000	9	3	73
CSB 52 12 IFE	12,000	12	3	85
CSB 52 135 IFE	13,500	13.5	3	91
CSB 52 15 IFE	15,000	15	3	97
CSB 52 18 IFE	18,000	18	3*	109
CSB 52 24 IFE	24,000	24	6	122
CSB 52 27 IFE	27,000	27	6	146
CSB 52 30 IFE	30,000	30	6	159
CSB 52 36 IFE	36,000	36	6*	183
CSB 52 405 IFE	40,500	41	9	222
CSB 52 45 IFE	45,000	45	6	219
CSB 52 54 IFE	54,000	54	6	256

80 GALLON MODELS

CSB 82 6 IFE	6,000	6	3	61
CSB 82 9 IFE	9,000	9	3	73
CSB 82 12 IFE	12,000	12	3	85
CSB 82 135 IFE	13,500	13.5	3	91
CSB 82 15 IFE	15,000	15	3	97
CSB 82 18 IFE	18,000	18	3*	109
CSB 82 24 IFE	24,000	24	6	122
CSB 82 27 IFE	27,000	27	6	146
CSB 82 30 IFE	30,000	30	6	159
CSB 82 36 IFE	36,000	36	6*	183
CSB 82 405 IFE	40,500	40.5	9	222
CSB 82 45 IFE	45,000	45	6	219
CSB 82 54 IFE	54,000	54	6	256

119-gallon models are continued on page 112



- State-of-the-Art Electronic Control - Standard (CSB-I only)
- iCOMM™ Compatible - call 1.888.WATER02 for more information (IFE models only)
- Self-cleaning feature – reduces harmful sediment buildup inside tank
- 50, 80 and 119-gallon tank sizes
- Inputs from 6 kW to 54 kW
- Durable, 24K Gold plated Incoloy low-watt density heating elements - Standard
- 208V, 240V or 480V single-phase and three-phase Delta voltages (277V-1PH Aval.)
- Voltage is field-convertible single-phase to three-phase, and vice versa
- Factory-installed terminal block for fast installation
- Available with either immersion (IFE models) or surface (SFE models) immersion temperature control, adjustable from 120°F to 180°F
- ASME tank construction available on all models, NSF Construction Standard

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
80° RISE	100° RISE	HEIGHT (A)	DIAMETER (B)	OVERALL DEPTH (C)	

31	25	55-3/4	21-3/4	27	260
46	37	55-3/4	21-3/4	27	260
61	49	55-3/4	21-3/4	27	260
69	55	55-3/4	21-3/4	27	260
77	61	55-3/4	21-3/4	27	260
92	74	55-3/4	21-3/4	27	260
123	98	55-3/4	21-3/4	27	265
138	111	55-3/4	21-3/4	27	265
154	123	55-3/4	21-3/4	27	265
184	148	55-3/4	21-3/4	27	265
208	166	55-3/4	21-3/4	27	265
230	184	55-3/4	21-3/4	27	265
277	221	55-3/4	21-3/4	27	265

31	25	60-1/4	25-1/2	31	280
46	37	60-1/4	25-1/2	31	280
61	49	60-1/4	25-1/2	31	280
69	55	60-1/4	25-1/2	31	280
77	61	60-1/4	25-1/2	31	280
92	74	60-1/4	25-1/2	31	280
123	98	60-1/4	25-1/2	31	280
138	111	60-1/4	25-1/2	31	280
154	123	60-1/4	25-1/2	31	280
184	148	60-1/4	25-1/2	31	280
208	166	60-1/4	25-1/2	31	280
230	184	60-1/4	25-1/2	31	280
277	221	60-1/4	25-1/2	31	280



iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information.



Low Lead Content



CSB Series

Continued from previous page

MODEL NUMBER	TOTAL WATTAGE	KW INPUT	NUMBER OF ELEMENTS	1 st HOUR DELIVERY GALLONS @ 100° RISE
119 GALLON MODELS				
CSB 120 6 IFE	6,000	6	3	61
CSB 120 9 IFE	9,000	9	3	73
CSB 120 12 IFE	12,000	12	3	85
CSB 120 135 IFE	13,500	13.5	3	91
CSB 120 15 IFE	15,000	15	3	97
CSB 120 18 IFE	18,000	18	3*	109
CSB 120 24 IFE	24,000	24	6	122
CSB 120 27 IFE	27,000	27	6	146
CSB 120 30 IFE	30,000	30	6	159
CSB 120 36 IFE	36,000	36	6*	183
CSB 120 405 IFE	40,500	40.5	9	222
CSB 120 45 IFE	45,000	45	6	219
CSB 120 54 IFE	54,000	54	6	256

*208 volt models may contain 3 additional elements

To order surface-mounted thermostats, change "IFE" to "SFE" in model number (CSB 52 6 **SFE**)

To order ASME tank construction, add "A" to model number (CSB 52 6 IFE **A**)

All models have 1-1/4" NPT inlet and outlet connections

Models exceeding 48 amps has power circuit fusing

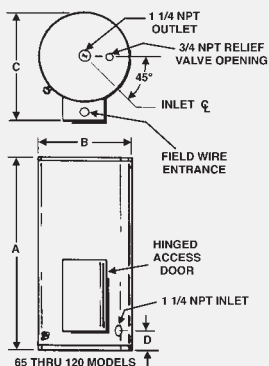
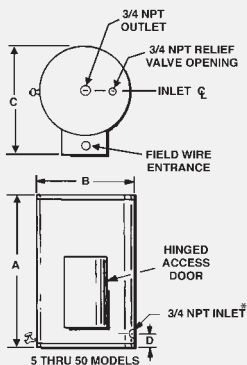


iCOMM™ Compatible and can be monitored from remote locations.
Call 1.888.WATER02 for more information.

RECOVERY – GPH @ DEGREE F RISE		DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
80° RISE	100° RISE	HEIGHT	TANK DIAMETER	DEPTH WITH JUNCTION BOX	
31	25	62-1/4	29-1/2	35	390
46	37	62-1/4	29-1/2	35	390
61	49	62-1/4	29-1/2	35	390
69	55	62-1/4	29-1/2	35	390
77	61	62-1/4	29-1/2	35	390
92	74	62-1/4	29-1/2	35	390
123	98	62-1/4	29-1/2	35	390
138	111	62-1/4	29-1/2	35	390
154	123	62-1/4	29-1/2	35	390
184	148	62-1/4	29-1/2	35	390
208	166	62-1/4	29-1/2	35	390
230	184	62-1/4	29-1/2	35	390
277	221	62-1/4	29-1/2	35	390

BACnet and Modbus connectivity available with the iCC Gateway device.





MODEL NUMBER	GAL. CAP.	MAX. kW INPUT	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
			HEIGHT (A)	DIAMETER (B)	OVERALL DEPTH (C)	
SSE-5	5	3	20-1/2	16-1/4	22-1/2	100
SSE-10	10	6	26-1/4	18-3/4	25	116
SSE-20	20	18	27-1/4	20-1/2	26-1/2	145
SSE-30	30	24	35-3/4	20-1/2	26-1/2	168
SSE-40	40	36	45-3/4	20-1/2	26-1/2	206
SSE-50	50	90	54-3/4	20-1/2	26-1/2	235
SSE-65	65	90	54	26-1/2	33-1/2	280
SSE-80	80	90	52-1/4	28	35	300
SSE-100	100	90	60-1/2	28	35	354
SSE-120	120	90	65-1/2	30	37	430

Power circuit fusing standard on models exceeding 120 Amps.



iCOMM™ Compatible and can be monitored from remote locations.
Call 1.888.WATER02 for more information.

- State-of-the-Art electronic control – Standard
 - Control provides precise + or - 1°F temperature control, ideal for industrial and food service applications where exact temperatures of hot water are needed
- iCOMM™ Compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information
- ASME and NSF tank construction standard on all models
- 10 tank sizes, from 5 through 120-gallons
- Glasslined tank standard – silicon bronze tanks or stainless steel tanks available for deionized water
- Inputs from 3 kW through 90 kW
- Heavy duty Incoloy medium-watt density heating elements
- 208V, 240V or 480V single-phase and three-phase voltages
- 208V and 240V at 24 kW input and below are supplied phase convertible (single to three-phase and vice versa)
- Single-phase 208V and 240V field-convertible to three-phase
- 277V is only available in single-phase
- Factory-installed terminal block for fast installation – accepts copper or aluminum leads
- Immersion thermostats, adjustable from 95°F to 180°F

RECOVERIES AT AVAILABLE kW INPUTS

AVAILABLE KW INPUTS	RECOVERY – GPH @ DEGREE F RISE		
	80° RISE	100° RISE	140° RISE
3	15	12	9
6	31	25	18
9	46	37	26
12	61	49	35
15	77	61	44
18	92	74	53
24	123	98	70
30	154	123	88
36	184	148	105
45	230	184	132
54	277	221	158
60*	307	246	176
75*	384	307	219
90*	461	369	263

*Available on 50-gallon models or larger

BACnet and Modbus connectivity available with the iCC Gateway device.



SEH Model (Horizontal Models)



- Available in gallon sizes from 150 to 10,000
- Available in Power input from 15kW to 3,000kW
- iCOMM™ Compatible on models 150kW and below
- BACnet and Modbus compatible with the iCC gateway device on models 150 kW and below

Note: For line drawing refer to product spec sheet

STANDARD FEATURES

GLASSLINED TANK – Tank interior is coated with glass specially developed for use in water heaters. Tank rated at 125 psi working pressure, 150 psi or 160 psi working pressure is optional. Vermin proof fiberglass insulation reduces costly heat loss. Constructed to Section IV of ASME code, and UL standards. Tanks have channel skid base. A 4" x 6" handhole is furnished on 500, 600 and 700-gallon models; 11" x 15" manhole is furnished on 800-gallon and larger sizes.

INCOLOY IMMERSION HEATERS – Heavy duty medium watt density elements (three/immersion heater) have incoloy sheathing: provide excellent protection against oxidation and scaling. The input ranges from 15kW to 3000kW (see accompanying chart).

FUSING – Control and power circuit fusing to meet N.E.C.

PILOT SWITCH AND LIGHT – Provided on front of heater; permits manual starting and stopping of heater by interrupting power to control circuit.

SEV 150 THRU 10,000
SEH 200 THRU 10,000



SEV Model **(Vertical Models)**



- MAGNETIC CONTACTOR(S) – Heavy duty UL rated for 100,000 cycles
- ELECTRONIC LOW WATER CUTOFF – Probe type electric low water cutoff prevents energizing of elements in the event of low water condition
- SOLID STATE MODULATING STEP CONTROL – (All models 180kW and up)
- IMMERSION THERMOSTAT(S) – Immersion temperature control (one per 60kW) is adjustable to 180°F; high temperature cutoff is manual reset, adjustable type
- iCOMM™ compatible on models 150kW and below
- BACnet and Modbus connectivity available with the ICC Gateway device on models 150 kW and below

OTHER STANDARD FEATURES

ADVANCED ELECTRONIC CONTROL (all models 150kW and below)

iCOMM™ Compatible and can be monitored from remote locations.
 Call 1.888.WATER02 for more information.

UL Listed

Internal element fusing

Manual reset high limit control

Fiberglass Insulation

Glasslined tank with Magnesium Anodes

Incoloy Sheathed Elements

Rectangular Jacket

Key-type locking doors

Optional tank linings include cement and epoxy on tank size of 200 gallons or more.

ALL DIMENSIONS IN INCHES

STATE MODEL*	NOMINAL GALLON CAPACITY	MAXIMUM KW INPUT	HEIGHT (A)	WIDTH (LENGTH) (B)
--------------	-------------------------	------------------	------------	--------------------

HORIZONTAL ELECTIC STORAGE HEATER

SEH-200	200	180	38-1/2	77
SEH-250	250	240	38-1/2	91
SEH-300	300	300	44-1/2	81
SEH-350	350	330	44-1/2	93
SEH-400	400	390	44-1/2	100
SEH-500	500	480	51	94
SEH-600	600	600	51	109
SEH-700	700	690	51	121
SEH-800	800	780	57	111
SEH-1000	1000	990	61	111
SEH-1250	1250	1200	61	138
SEH-1500	1500	1500	61	150
SEH-2000	2000	1980	70	177
SEH-3000	3000	3000	76	211
SEH-5000	5000	3000	82	296
SEH-7500	7500	3000	94	317
SEH-10,000	10,000	3000	106	345

VERTICAL ELECTRIC STORAGE HEATER

SEV-150	150	150	83-1/2	30
SEV-150L	150	150	59-1/2	36
SEV-200	200	180	79-1/2	36
SEV-250	250	240	93	36
SEV-300	300	300	83-1/2	42
SEV-350	350	330	95-1/2	42
SEV-400	400	390	102-1/2	42
SEV-500	500	480	97	48
SEV-600	600	600	112	48
SEV-700	700	690	124	48
SEV-800	800	780	116	54
SEV-1000	1000	990	116	60
SEV-1250	1200	1200	143	60
SEV-1500	1500	1500	155	60
SEV-2000	2000	1980	183	66
SEV-3000	3000	3000	217	72
SEV-5000	5000	3000	309	78
SEV-7500	7500	3000	330	90
SEV-10,000	10,000	3000	358	102

*Complete Model Number includes the desired kW at end, e.g.: SEV-500-120 when kW = 120

**Size may vary according to kW input

Minimum installation clearances required: 30" from front, 12" from top, and 24" from right side



DEPTH (C)	INSPECTION OPENING	INLET OUTLET OPENING	DRAIN OPENING	RELIEF VALVE OPENING**
36	Optional	1-1/2	3/4	3/4
36		1-1/2	3/4	1
42		2	3/4	1
42		2	3/4	1
42		2	3/4	1
48	4" X 6" Handhole	2	1-1/4	1
48		2	1-1/4	1
48		2	1-1/4	1
54	11" X15" Manhole	2	1-1/2	1
60		3	1-1/2	1
60		3	1-1/2	1
60		3	1-1/2	1
66		3	2	1-1/4
72		3	2	1-1/2
78		3	2	1-1/2
90		4	2	1-1/2
102		4	2	1-1/2

37	Optional	1-1/4	3/4	3/4
43		1-1/4	3/4	3/4
43		1-1/2	3/4	3/4
43		1-1/2	3/4	1
49		2	3/4	1
49		2	3/4	1
49		2	3/4	1
55	4" X 6" Handhole	2	1-1/4	1
55		2	1-1/4	1
55		2	1-1/4	1
61	11" 15" Manhole	2	1-1/2	1
67		3	1-1/2	1
67		3	1-1/2	1
67		3	1-1/2	1
73		3	2	1
79		3	2	1-1/2
85		3	2	1-1/2
97		4	2	1-1/2
109		4	2	1-1/2



STORAGE TANKS

PVG Series — Vertical Jacketed & Insulated Tanks



Note: For line drawing refer to product spec sheet

MODEL NUMBER	GAL. CAP.	STANDARD WORKING PRESSURE	ASME
PVG 00800 OVT	80	150	NO
PVG 00800 OVTA	80	160	YES
PVG 01200 OVT	119	150	NO
PVG 01200 OVT2.5	119	150	NO
PVG 01200 OVTA	119	160	YES
PVG 01200 OVTA2.5	119	160	YES
PVG 02000 OVSA*	175	160	YES
PVG 02000 OVSA2.5*	175	160	YES

*Equipped with handhole cleanout

State now has them all!

State offers a complete selection of storage tanks for commercial applications. Bare uninsulated tanks, jacketed and insulated tanks, vertical tanks, horizontal tanks, ASME tanks, and custom tanks that can be built to your specifications...

Capacities range from 80 to 12,500 gallons, and every State storage tank is covered by a five-year limited warranty.

- 80, 119 and 175-gallon capacities
- Glasslined tank
- Thick foam insulation
- Anode rod protects against corrosion
- Handhole cleanout on selected models
- ASME tank construction on selected models
- 5-year limited warranty

	DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
	HEIGHT	DIAMETER	
	62-1/8	20	236
	54-7/8	26-1/2	369
	62	29-3/8	320
	61-3/4	28	320
	61-3/4	28	411
	61-3/4	28	411
	77	32	560
	77	32	560



PVG Series

Large-Volume Jacketed & Insulated Tanks

- 80 through 1,000 gallon capacities
- Glasslined steel tank standard – cement and epoxy linings available
- Thick foam insulation
- Anode rod protects against corrosion
- ASME tank construction standard
- 5-year limited warranty

VERTICAL STORAGE TANKS

MODEL NUMBER	GAL. CAP.	DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
		HEIGHT	DIAMETER	
PVG 00800 OVTA125	80	54-7/8	26-1/2	369
PVG 01200 OVTA125	120	61-3/4	28	411
PVG 01400 OVTA125	140	87	30	516
PVG 02000 OVTA125	200	83	36	612
PVG 02000 OVSA125	175	77	32	560
PVG 02500 OVTA125	250	96	36	900
PVG 03500 OVTA125	350	99	42	1080
PVG 04000 OVTA125	400	105	42	1282
PVG 05000 OVTA125	500	100	48	1369
PVG 05000 OVSA125	500	84	54	1526
PVG 07500 OVTA125	750	116	54	2395
PVG 10000 OVTA125	1000	148	54	3320

HORIZONTAL STORAGE TANKS

MODEL NUMBER	GAL. CAP.	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS.)
		HEIGHT	WIDTH	DEPTH	
PVG 02000 OHTA125	200	41	77	36	790
PVG 02500 OHTA125	250	41	90	36	1000
PVG 03500 OHTA125	350	47	93	42	1370
PVG 04000 OHTA125	400	47	99	42	1476
PVG 05000 OHTA125	500	53	94	48	1448
PVG 05000 OHSA125	500	59	79	54	1540
PVG 07500 OHTA125	750	59	110	54	2575
PVG 10000 OHTA125	1000	59	143	54	3260

UVG Series

Unjacketed Tanks

- For vertical or horizontal installation – tank saddles available for horizontal installation on 140 through 1,000-gallon models
- 80 through 1,000-gallon capacities
- Glasslined tank
- Anode rod protects against corrosion
- ASME tank construction standard on all models 140 through 1,000-gallon models
- 5-year limited warranty

MODEL NUMBER	GAL. CAP.	WORKING PRESSURE	ASME	DIMENSIONS IN INCHES		APPROX. SHIPPING WEIGHT (LBS.)
				DIA.	HEIGHT/WIDTH	
UVG 0080 OOV T	80	150	No	20	62-1/8	170
UVG 0120 OOV T	120	150	No	24	65	287
UVG 0140 OOVTA125	140	125	Yes	24	76-1/4	400
UVG 0200 OOV T	200	150	No	30	72	460
UVG 0200 OOVTA125	200	125	Yes	30	72	460
UVG 0250 OOVTA125	250	125	Yes	30	84	505
UVG 0350 OOV T	350	125	No	36	87-1/2	670
UVG 0350 OOVTA125	350	125	Yes	36	87-1/2	670
UVG 0400 OOVTA125	400	125	Yes	36	97-1/8	775
UVG 0500 OOVTA125	500	125	Yes	42	88	815
UVG 0500 OOVSA125	500	125	Yes	48	73	950
UVG 0750 OOVTA125	750	125	Yes	48	105-7/8	1290
UVG 1000 OOVTA125	1000	125	Yes	48	137-3/4	1655



Low Lead Content

STORAGE TANKS

UGV Series – Custom Tanks

- 80 through 12,500-gallon capacities
- Glasslined steel tank standard – cement or epoxy linings available
- Thick foam insulation on jacketed models
- Anode rod protects against corrosion
- ASME tank construction standard
- 5-year limited warranty

Consult specification sheet or your State sales representative for complete details on Custom Storage Tank availability and options.

MODEL NUMBER	GAL. CAP.	DIMENSIONS IN INCHES	
		OVERALL LENGTH	DIAMETER
UGV20 0080 VA125	80	60	20
UGV20 00100 VA125	100	72	20
UGV24 00125 VA125	125	66	20
UGV24 00140 VA125	140	75	24
UGV24 00175 VA125	175	90	24
UGV30 00175 VA125	175	60	24
UGV30 00200 VA125	200	71	30
UGV30 00250 VA125	250	84	30
UGV30 00300 VA125	300	99	30
UGV36 00250 VA125	250	60	36
UGV36 00300 VA125	300	71	36
UGV36 00350 VA125	350	86	36
UGV36 00400 VA125	400	93	36
UGV36 00500 VA125	500	122	36
UGV36 00550 VA125	550	125	36
UGV42 00375 VA125	375	67	42
UGV42 00450 VA125	450	79	42
UGV42 00500 VA125	500	88	42
UGV42 00600 VA125	600	103	42
UGV42 00700 VA125	700	119	42
UGV42 00800 VA125	800	134	42
UGV42 00900 VA125	900	150	42
UGV42 01000 VA125	1000	166	42
UGV48 00500 VA125	500	73	48
UGV48 00600 VA125	600	81	48
UGV48 00700 VA125	700	93	48
UGV48 00750 VA125	750	105	48
UGV48 00900 VA125	900	117	48
UGV48 01000 VA125	1000	137	48
UGV48 01250 VA125	1250	159	48
UGV48 01500 VA125	1500	190	48

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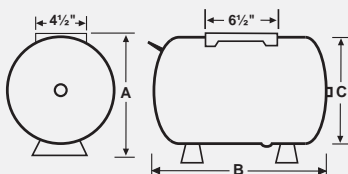
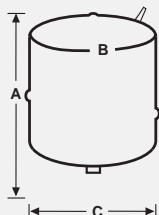
MODEL NUMBER	GAL. CAP.	DIMENSIONS IN INCHES	
		OVERALL LENGTH	DIAMETER
UGV48 01800 VA125	1800	220	48
UGV48 02000 VA125	2000	250	48
UGV54 00650 VA125	650	71	54
UGV54 00750 VA125	750	81	54
UGV54 00900 VA125	900	95	54
UGV54 01000 VA125	1000	105	54
UGV54 01250 VA125	1250	129	54
UGV54 01500 VA125	1500	153	54
UGV54 01800 VA125	1800	181	54
UGV54 02000 VA125	2000	200	54
UGV54 02250 VA125	2250	224	54
UGV60 00800 VA125	800	72	60
UGV60 01000 VA125	1000	88	60
UGV60 01250 VA125	1250	107	60
UGV60 01500 VA125	1500	126	60
UGV60 01750 VA125	1750	146	60
UGV60 02000 VA125	2000	165	60
UGV60 02250 VA125	2250	185	60
UGV60 02500 VA125	2500	204	60
UGV60 03000 VA125	3000	243	60
UGV66 01000 VA125	1000	75	66
UGV66 01500 VA125	1500	107	66
UGV66 02000 VA125	2000	139	66
UGV66 02500 VA125	2500	171	66
UGV66 03000 VA125	3000	203	66
UGV66 03500 VA125	3500	235	66
UGV72 02500 VA125	2500	147	72
UGV72 03000 VA125	3000	174	72
UGV72 03500 VA125	3500	201	72
UGV72 04000 VA125	4000	228	72
UGV72 04500 VA125	4500	254	72
UGV72 05000 VA125	5000	281	72
UGV84 04000 VA125	4000	173	84
UGV84 05000 VA125	5000	212	84
UGV84 06000 VA125	6000	252	84
UGV84 08000 VA125	8000	330	84
UGV96 07500 VA125	7500	244	84
UGV96 01000 VA125	10,000	319	96
UGV96 12500 VA125	12,500	395	96



Low Lead Content

PUMP-MATE®

SPMD Series – Pre-Pressurized,
Diaphragm Tanks



	MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES			WEIGHT (LBS.)
			OVERALL HEIGHT (A)	TO CENTER OF WATER INLET (B)	DIAMETER (C)	
SPMD Series Free Standing	SPMD-14	14	24-3/4	2-1/4	15-3/8	25.5
	SPMD-20	20	32-3/4	2-1/4	15-3/8	30
	SPMD-31	31	45-1/2	2-1/4	15-3/8	40
	SPMD-36S	36	32-5/8	2-1/4	20	45
	SPMD-52	52	38-5/8	2-1/4	23-3/8	77
	SPMD-86	86	59	2-1/4	23-3/8	105
	SPMD-96	96	63-3/8	2-1/4	23-3/8	111
	SPMD-119	119.5	61-1/4	2-1/2	26	165

SPMD-14, SPMD-20, SPMD-36S connection 1" Female

SPMD-52, SPMD-86, SPMD-96, SPMD-119 connection 1-1/4" Female

SPMDI connection 3/4" Male. *SPMDI-14 1" male

SPMDH-7 connection 3/4" Male. *SPMDH-14, SPMDH-20 connection 1" Male

- 2 through 119-gallon capacities in free-standing, in-line or horizontal designs
- Butyl rubber parabolic diaphragm eliminates rubbering and wear
- Powder coated, lining bonded to tank shell, protects against rust
- Protection welded air valve
- Non-corrosive high-impact Polymer base
- All Tanks are certified to NSF Standard 61-G and 372 listed and are in compliance with California and Vermont no-lead legislation
- 5-year limited warranty

	MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES		WEIGHT (LBS.)
			OVERALL HEIGHT (A)	DIAMETER (C)	
SPMDI Series In-Line	SPMDI-2	1.86	10-3/16	8-1/4	5
	SPMDI-5	4.83	14-3/4	11	9
	SPMDI-7	7.27	21-1/16	11	14
	SPMDI-14	14.0	21-3/4	15-3/8	24
SPMDH Series Horizontal	SPMDH-7	7.27	12-5/8	11	16
	SPMDH-14	14.0	17-3/8	15-3/8	25.5
	SPMDH-20	20.0	17-3/8	15-3/8	30

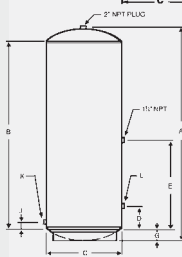
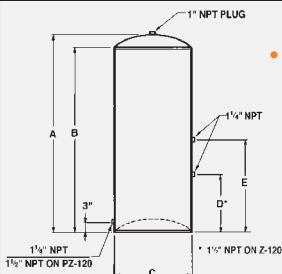


Certified to NSF/ANSI
61-G and 372

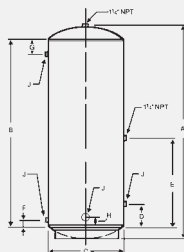
NEPTUNE™

Horizontal or Vertical Tanks

• 1-Year Limited Warranty



Models: Z-220, Z-315, Z-480



Models: ZU-525, ZU-900

Z Series Galvanized Pump Tanks

Size 12 to 120 Gallons – Free Standing

MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES					WEIGHT (POUNDS)
		A	B	C	D	E	
Z-12	12	26-1/2	13	12	5	3	27
Z-21	21	27	13	16	5	3	45
Z-32	32	38-3/4	17	16	8	3	52
ZT-42	42	51	26	16	12	3	71
ZS-42	42	33-3/4	17	20	8	3	71
Z-82	82	63	33	20	12	3	114
Z-120	120	64-1/2	33	24	12	3	154

Size 220 to 900 Gallons – Galvanized

MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES									WEIGHT (POUNDS)
		A	B	C	D	E	F	G	H	I	
Z-220	220	78	66	30	6	32	6	2-1/2	2	2	303
Z-315	315	79-1/2	66	36	6	32	7	2-1/2	2	2	416
Z-480	480	87	72	42	6	32	7-1/2	2-1/2	2	3	640

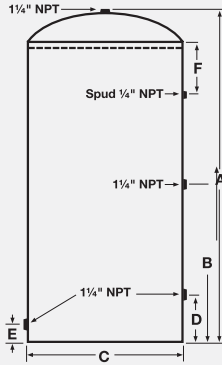
MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES									WEIGHT (POUNDS)
		A	B	C	D	E	F	G	H	I	
ZU-525	525	128	114	36	6	56	2-1/2	2-1/2	4	2" NPT	685
ZU-900	900	159	144	42	14	77	4	4	9	3" NPT	1040

1" NPT Spud in head for alternate motor mount or retention tank connection

All tapping 1-1/4" Water Connections

1/4" pressure switch tapping on all models

- NSF Standard 61-G and 372 listed
- 3-Year Limited Warranty



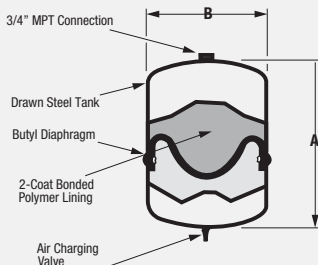
G Series Glasslined Pump Tanks

MODEL NUMBER	VOLUME (GALLONS)	DIMENSIONS IN INCHES						WEIGHT (POUNDS)
		A	B	C	D	E	F	
G-42-T	42	51-1/4	26	16	12	3	6	77
G-42-S	42	35-7/8	17	20	8	3	6	79
G-82	82	62-1/4	33	20	12	3	6	120
G-120	120	62-1/2	33	24	12	3	6	160
G-220	220	62	38	36	12	7	6	640

1-1/4" NPT Spud in head for alternate motor mount or retention tank connection
 All tapping 1-1/4" Water Connections
 1/4" pressure switch tapping on all models

WATERGUARD™, TW SERIES AND THERM-O-FLEX™

Potable Water Heater Expansion Tanks



WATERGUARD™ and TW Series Potable Water Expansion Tanks

- For use with residential and commercial water heaters to maximum of 180° F
- Field-adjustable 38 psi air charge
- IAPMO approved (150 PSIG Models)
- Tanks are NSF Standard 61-G and 372 listed
- 5 or 1-year tank warranty

THERM-O-FLEX™ Potable Water Expansion Tanks

- In-Line Series, Models ET C-7, ETC-14, 3/4" FPT
- Free Standing Series Models ETC-15 to ETC-36, 1" FPT
- ETC-52 to ETC-86, 1-1/4" FPT
- Tanks are NSF Standard 61-G and 372 listed
- 5-year limited warranty



Certified to NSF/ANSI 61-G and 372

MODEL NUMBER	MAX. (PSIG) WORKING PRESSURE	TANK VOLUME (GALS)	MAX. ACCEPTED VOLUME (GAL)			CONN. NPT SIZE	OVERALL HEIGHT (IN.) (A)	DIAMETER (IN.) (B)	WEIGHT (LBS.)
			20 PSI	40 PSI	60 PSI				

ETC-2X Series (Potable Expansion Tanks - 5-Year warranty)

ETC-2X	150	1.86	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
ETC-5X	150	4.83	3.75	3.05	2.19	3/4	14-3/4	11	9
ETC-10X	150	9.25	7.8	6.55	5.25	3/4	15-3/4	15-3/8	20

TW-Series (Potable Expansion Tanks - 1-Year warranty)

TW-5	150	1.83	1.53	1.27	1.03	3/4	10-3/16	8-1/4	5
TW-12	150	4.83	3.75	3.05	2.19	3/4	14-3/4	11	9

ETC-Series (Potable Expansion Tanks - 5-Year warranty)

ETC-7	100	7.27	4.6	N/A	N/A	3/4	21-1/16	11	12
ETC-14	100	14.6	10.5	8.0	5.6	3/4	21-3/4	15-3/8	24
ETC-15	100	14.6	10.5	8.0	5.6	1	24-3/4	15-3/8	25
ETC-20	100	20	13.5	10.1	6.7	1	32-3/4	15-3/8	32
ETC-36S	100	36	21	16.6	11.4	1	32-5/8	20	45
ETC-52	100	52	23.8	25.5	19.7	1-1/4	38-5/8	23-3/8	80
ETC-86	100	86	61.2	45.4	32.8	1-1/4	69	23-3/8	100

THERM-O-FLEX™**Hydronic Expansion Tanks**

- For use with space heating boilers in closed systems — not for use with potable water heating systems
- Models up to 14.6 gallons feature in-line design for installation directly into system piping
- Field-adjustable 12 PSI air charge
- Drawn-steel tank
- Pure butyl rubber parabolic diaphragm
- Maximum working pressure: 100 psi
- Maximum temperature: 240°F
- 1-year limited tank warranty

MODEL NUMBER	MAX. (PSIG) WORKING PRESSURE	TANK VOLUME (GALS)	MAX. ACCEPTED VOLUME (GAL)			CONN. NPT SIZE	OVERALL HEIGHT (IN.) (A)	DIAMETER (IN.) (B)	WEIGHT (LBS.)
			20 PSI	40 PSI	60 PSI				

ET-2 Series (Hydronic Expansion Tanks)

ET-2	100	1.86	1.53	–	–	1/2	10-3/16	8-1/4	5
ET-5	100	4.83	3.75	–	–	1/2	14-3/4	11	9
ET-7	100	7.27	4.6	–	–	1/2	21-1/16	11	12
ET-14	100	14.6	10.5	–	–	1/2	21-3/4	15-3/8	22



Certified to NSF/ANSI
61-G and 372

Residential Space Heating Expansion Tanks

- For use with residential space heating boilers in closed systems – not for use with potable water heating systems
- Designed for in-line or free standing installation
- Combination models shipped with air vent and separator
- Field-adjustable 12 psi air charge
- Pure butyl rubber parabolic diaphragm
- Maximum temperature 240° F
- 100 psi maximum working pressure
- 1-year limited tank warranty



	MODEL NUMBER	GALLON CAPACITY	MAX. ACCEPTABLE VOLUME (GALLONS) 20 PSIG	DIMENSIONS IN INCHES		SHIPPING WEIGHT (LBS.)
				DIAMETER	HEIGHT	
In-Line	ET-2	1.86	1.53	8-1/4	10-3/16	5
	ET-5	4.83	3.75	11	14-1/2	9
	ET-7	7.27	4.6	11	21-1/16	12
	ET-14	14.6	10.5	15-3/8	15-1/4	24
Combination Units*	ET-2V-1	1.86	1.53	8-3/8	20-1/2	10
	ET-2V-2	1.86	1.53	8-3/8	20-1/2	10
	ET-5V-1	4.83	3.75	11-3/8	22-3/4	12-1/2
	ET-5V-2	4.83	3.75	11-3/8	22-3/4	12-1/2
	ET-7V-1	7.27	4.6	11-3/8	29-1/8	21
	ET-7V-2	7.27	4.6	11-3/8	29-1/8	21

*Combination Units with Air Vent and Air Separator
 All Models: 100 PSIG Maximum Working Pressure
 All in-Line and Free-Standing Models have 1/2" MPT connections

Combination Units Connections Sizes:
 ET-2V-1, ET-5V-1, ET-7V-1 have 1" MPT connection
 ET-2V-2, ET-5V-2, ET-7V-2 have 1/4" MPT connection

Commercial

Space Heating Expansion Tanks

- For use with commercial space heating boilers in closed systems – not for use with potable water heating systems
- Free-standing design
- Field-adjustable 12 psi air charge
- Pure butyl rubber parabolic diaphragm
- Maximum temperature 240° F
- 1/2" NPT connections
- 100 psi maximum working pressure
- 1-year limited tank warranty

	MODEL NUMBER	GALLON CAPACITY	MAX. ACCEPTABLE VOLUME (GALLONS) 20 PSIG	DIMENSIONS IN INCHES		SHIPPING WEIGHT (LBS.)
				DIAMETER	HEIGHT	
Free- Standing	ET-15	14.6	10.5	15-3/8	24-3/4	25
	ET-20	20	13.5	15-3/8	32-3/4	32
	ET-36	36	21	20	32-5/8	45
	ET-52	52	33.8	23-3/8	32-5/8	80
	ET-86	86	61.2	23-3/8	59	99



State Water Heaters

500 Tennessee Waltz Parkway, Ashland City, TN 37015

800-365-8170

www.statewaterheaters.com

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