

American Standard®

WATER HEATERS

Commercial Line

MODEL: 100-83-AS

100 GALLON LIGHT DUTY STORAGE

83,000 BTU NAT GAS

83,000 BTU L.P. GAS

100-83-AS FEATURES

- **Heavy Gauge Steel Tank** – for extra years of trouble-free service.
- **Inner Tank Glass-Lined** – with **Dura-Glas™** and fired at 1600° F for optimum protection from the effects of corrosion.
- **R-16.7 Non-CFC Foam Insulated** – to save energy and reduce fuel costs by maximizing heat retention.
- **Two Anode Rods to Prolong Tank Life.**
- **Self-Cleaning Turbulence Inducing Cold Water Inlet-Tube** – engineered to diminish hard water area sediment deposits.
- **Full Sized Hand-hole Cleanout** – for eased tank inspection and/or removal of sediment deposits.
- **Furnished with Four Heavy Gauge Steel Legs** – designed to maximize durability and afford rock-steady installation.
- **Automatic Non-Electric Gas Thermostat** – adjustable to 180° F. When installed with a mixing valve, the 100-83-AS can deliver 180° F sanitizing & 140° F general purpose hot water simultaneously.
- **Combustion Chamber Door** – including hinged with knob outside access & sliding inner door to sequester burner & pilot area for added safety.
- **Factory Installed Energy Cut-Off System & Pressure/Temperature Relief Valve.**
- **Small Vent Size & Top Mount** – 1 1/2" water connections to afford universal replacement of other brands.
- **AMERICAN STANDARD Gas Water Heaters** – are certified at 300 PSI test pressure & for 150 PSI working pressure.
- **All Tanks** – are hydrostatically tested at the factory.
- **Tested & Listed with CSA International** – in accordance with ANSI Z21.10.3 - CSA 4.3 for up to 180° F operation as an automatic storage and/or automatic circulating tank heater. Meets ASHRAE Standard 90.1 1999 addendum 90.1b. CSA certified to meet NSF/ANSI 5 Standards.
- **Three Year Limited Warranty** – on inner glass-lined tank and one year limited warranty on all other component parts.

The American Standard Commercial Gas Model 100-83-AS is designed to fulfill the hot water requirements of large residences, small restaurants, businesses, barber and beauty shops, small office buildings and multi-family developments - up to seven single or five double bath units.



THIS WATER HEATER MEETS THE REQUIREMENTS OF ASHRAE AND MEETS OR EXCEEDS THE THERMAL EFFICIENCY REQUIREMENTS OF CALIFORNIA AND OTHER STATES RECOGNIZING ASHRAE.

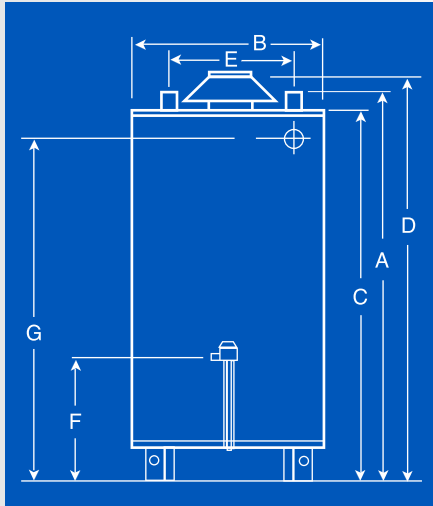
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WATER HEATERS

2808 Metropolitan Place, Pomona, CA 91767
(800) 900-9063 * (909) 392-0230 * FAX (909) 392-7302

CG 002.3/09

100-83-AS SPECIFICATIONS AND APPLICATION DATA



SPECIFICATIONS

MODEL NUMBER	TANK GALLONS CAPACITY	BTU INPUT NAT GAS	REC GPH 100° RISE	BTU INPUT L.P. GAS	REC GPH 100° RISE	THERM EFF %
100-83-AS	100	83,000	81	83,000	81	80%

*For Propane (LP) Gas Model add suffix "LP"; For SCAQMD Low NOx Model add prefix "N"

DIMENSIONS SHOWN IN INCHES

EXTERIOR DIMENSIONS	VENT	TOP WATER PIPE SIZE	WATER I.P.S. CONNECTIONS		GAS I.P.S. CONN.		HGT TO T&P OPENING	T&P OPENING		
			HEIGHT TO TOP CONNECT	TOP WATER SPREAD	HGT	SIZE				
A	B	C	D	E	F	G				
72	28	68 ¹ / ₈	4	1 ¹ / ₂	73 ¹ / ₈	16	18	1/2	59 ¹ / ₂	3/4

RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL NUMBER	GAS TYPE	BTU INPUT	TEMPERATURE RISE										
			40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
100-83-AS	NAT	83,000	201	161	134	115	101	89	81	73	67	62	58
	LP	83,000	201	161	134	115	101	89	81	73	67	62	58

MAXIMUM HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS

STORAGE CAPACITY U.S. GALLONS	ONE HOUR RECOVERY 100° RISE	1 ST HOUR	2 HOURS	3 HOURS	GPM REC. 100° RISE
100	81	151	232	313	1.4

Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to CSA (ANSI, Z.21.10.3) Manufacturer reserves the right to make product changes and/or improvements with or without notice.

SAMPLE SPECIFICATION

Commercial gas water heater shall be AMERICAN STANDARD model _____ having a storage capacity of _____ gallons, operate on _____ Gas, with a BTU input of _____ and a recovery rate of _____ gallons per hour at 100° F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with four anode rods and insulation shall be non-CFC foam of R-16.7. Water heater shall be CSA certified.



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