

American Standard®

WATER HEATERS

Commercial Line

MODEL: D-100-250-AS

100 GALLON HEAVY DUTY STORAGE DIRECT SPARK IGNITION DAMPERED

250,000 BTU NAT GAS

250,000 BTU L.P. GAS

The American Standard Commercial Gas Model D-80 125-AS is designed to deliver large quantities of hot water economically through the utilization of the most energy-saving techniques.

Customary applications include industrial buildings, motels, hotels, schools, hospitals, restaurants, laundromats, car washes and multi-family developments up to eight single or seven double bath units

D-100-250-AS FEATURES

- **Heavy Gauge Steel Tank** – incorporating only seven internal flue tubes resulting in fewer critical welds to yield added years of service.
- **ASME Construction Model Available.**
- **Inner Tank Glass-Lined** – with Dura-Glas™ and fired at 1600° F for optimum protection from the effects of corrosion.
- **R-8.3 Non-CFC Foam Insulated** – to save energy and reduce fuel costs by maximizing heat retention.
- **Four Anode Rods** – to ensure maximum 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.
- **Electronic Direct-Spark Ignition System** – saves fuel by eliminating the need for a standby gas pilot.
- **Automatic Motorized Flue Damper** – reduces tank heat loss during standby periods for lowest operating costs.
- **Fully Adjustable 24-Volt Controls** – provide temperature settings to 180° F. When installed with a mixing valve, the D-100-250-AS can deliver 180° F sanitizing and 140° F general purpose hot water simultaneously.
- **Factory Installed Energy Cut-Off System & Pressure/Temperature Valve.**
- **Top 1 1/2", 2" Rear & 2" Front Water Connections** – for universal replacements, connection to circulating lines and eased multiple heater or storage tank installations.
- **AMERICAN STANDARD Gas Water Heaters** – are certified at 300 PSI test pressure and for 150 PSI working pressure. CSA certified to meet NSF/ANSI 5 Standards.
- **Tested & Listed with CSA International** – in accordance with ANSI Z21.10.3-CSA4.3 for up to 180° F operation as an automatic storage and/or automatic circulating tank heater. Meets ASHRAE Standard 90.1-1999.
- **Three Year Limited Warranty** – on inner glass-lined tank and one year limited warranty on all other component parts.



THIS WATER HEATER MEETS THE
REQUIREMENTS OF ASHRAE 90.1-1999
AND MEETS OR EXCEEDS
THE THERMAL EFFICIENCY AND
STANDBY LOSS REQUIREMENTS
OF CALIFORNIA AND OTHER STATES
RECOGNIZING ASHRAE.

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WATER HEATERS

561 New York Drive, Pomona, California 91768
(800) 900-9063 * (909) 392-0230 * FAX (909) 392-7302

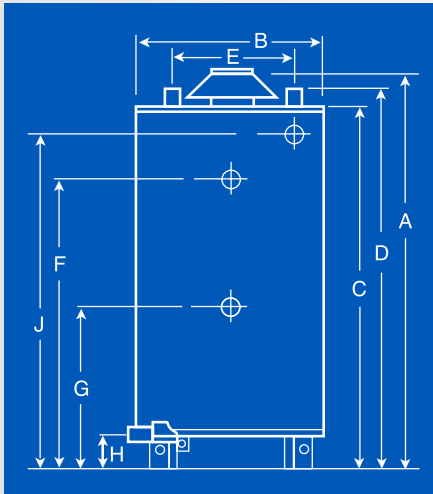
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SPECIFICATIONS

MODEL NUMBER*	TANK GALLONS CAPACITY	BTU INPUT NAT GAS	REC GPH 100° RISE	BTU INPUT L.P. GAS	REC GPH 100° RISE	THERM EFF %
D-100-250-AS	100	250,000	242	250,000	242	80%

*For ASME Model Specify D-100-250-ASME; for Propane (LP) Gas Model add suffix "LP"; for SCAQMD Low NOx Model add prefix "N"

DIMENSIONS SHOWN IN INCHES



ELECTRICAL REQUIREMENTS

Need 120 Volt 60

Draws less than 5 AMPS

EXTERIOR DIMENSIONS	V E N T	TOP PIPE SIZE	REAR & FRONT WATER CONN.	WATER I.P.S. CONNECTIONS (TOP, REAR & FRONT)				GAS I.P.S. CONN.		HGT TO TAP OPENING	TAP OPENING		
				HGT. TO TOP WATER	TOP WATER SPREAD	HGT. TO REAR & FRONT HOT	HGT. TO REAR & FRONT COLD	HGT	SIZE				
A	B	C		D	E	F	G	H		J			
73 ⁵ / ₈	30 ¹ / ₄	65 ⁵ / ₈	6	1 ¹ / ₂	2	67 ⁵ / ₈	23 ⁵ / ₈	57 ¹ / ₂	20	43 ³ / ₄	3 ³ / ₄	58 ⁷ / ₈	1

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°
D-100-250-AS	NAT	250,000	606	485	404	346	303	269	242	220	202	186	173
	LP	250,000	606	485	404	346	303	269	242	220	202	186	173

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	242	312	554	796	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-8.3. Water heater shall be CSA certified.



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