

American Standard®

WATER HEATERS

Commercial Line

MODEL: D-100-270-AS

100 GALLON HEAVY DUTY STORAGE DIRECT SPARK IGNITION DAMPERED

270,000 BTU NAT GAS

270,000 BTU L.P. GAS

— D-100-270-AS FEATURES —

- **Heavy Gauge Steel Tank** – incorporating only seven internal flue tubes resulting in fewer critical welds to yield added years of trouble-free service.
- **ASME Construction Model Available.**
- **Inner Tank Glass-Lined** – with Dura-Glas™ & fired at 1600° F for optimum protection from the effects of corrosion.
- **R-8.3 Non-CFC Foam Insulated** – to save energy & 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-100-270-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. CSA certified to meet NSF/ANSI 5 Standards.
- **AMERICAN STANDARD Gas Water Heaters** – are certified at 300 PSI test pressure and for 150 PSI working pressure.
- **Tested & Listed with CSA International** – in accordance with ANZI Z21.10.3 - CSA 4.3 for up to 180° F operation as an automatic storage and/or automatic circulating tank heater, meets ASHRAE 90.1-1999.
- **Three Year Limited Warranty** – on inner glass-lined tank & one year limited warranty on all other component parts.

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



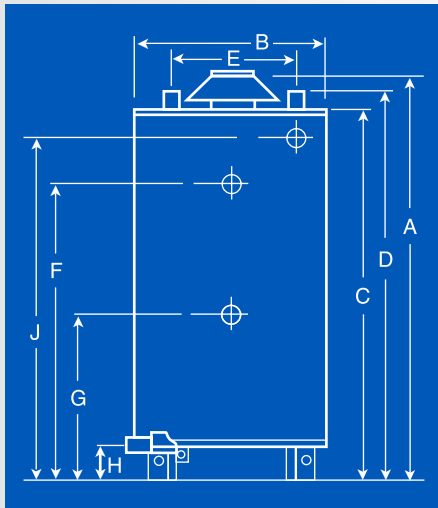
THIS WATER HEATER MEETS THE
REQUIREMENTS OF ASHRAE 90.1-1999
AND MEETS OR EXCEEDS
THE THERMAL EFFICIENCY AND
STANDBY LOSS REQUIREMENTS
OF CALIFORNIA AND OTHER STATES
RECOGNIZING ASHRAE.

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

D-100-270-AS SPECIFICATIONS AND APPLICATION DATA



ELECTRICAL REQUIREMENTS
Need 120 Volt 60
Cycle AC Power
Draws less than 5 AMPS

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-100-270-AS	100	270,000	262	270,000	262	80%

*For ASME Model: Specify D-100-270-ASME; For Propane (LP) Gas Model add suffix "LP"; For SCAQMD Low NOx Model add prefix "N".

DIMENSIONS SHOWN IN INCHES

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 T&P OPENING	T&P OPENING
A	B	C				D	E	F	G	H	I		
73 ⁵ / ₈	30 ¹ / ₄	65 ⁵ / ₈	6	1 ¹ / ₂	2	67 ⁵ / ₈	23 ⁵ / ₈	57 ¹ / ₂	20	4 ³ / ₄	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-100-270-AS	NAT	270,000	655	524	436	374	327	291	262	238	218	201	187
	LP	270,000	655	524	436	374	327	291	262	238	218	201	187

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	262	332	594	856	4.4

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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