

## Residential Duty- Commercial Low Nox

*American Standard*<sup>®</sup>

WATER HEATERS

[www.americanstandardwaterheaters.com](http://www.americanstandardwaterheaters.com)

Model Available in 75 & 100 Gallon Capacities

BTU Configurations:

76,000 - 83,000 in Natural and LP Gas

The American Standard Commercial Low NOx Residential Duty Gas Models D 75-76-AS & D 100-83-AS, are designed to fulfill the hot water requirements of large residences, businesses, barber and beauty shops, small office buildings and multifamily developments up to four single or three double bath units use Model D 75-76-AS and for up to seven single or five double bath units use Model D 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 NON-CFC FOAM INSULATED** – To save energy and reduce fuel costs by maximizing heat retention.
- **TWO ANODE RODS** – To extend tank life.
- **SELF-CLEANING TURBULENCE INDUCING COLD WATER INLET-TUBE** – Engineered to diminish hard water area sediment deposits.
- **FULL SIZE HAND-HOLE CLEANOUT** – For convenient tank inspection and removal of sediment deposits.
- **FURNISHED WITH FOUR HEAVY GAUGE STEEL LEGS** – Designed to maximize durability & provide stability during installation.
- **AUTOMATIC GAS THERMOSTAT ADJUSTABLE TO 180° F** – When installed with a mixing valve, can deliver 180° F sanitizing and 140° F general purpose hot water simultaneously.
- **COMBUSTION CHAMBER DOOR** – Including hinged knob outside access & sliding inner door to isolate burner & pilot area for added safety.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM AND TEMPERATURE & PRESSURE RELIEF VALVE.**
- **SMALL VENT SIZE & TOP MOUNT WATER CONNECTIONS** – Allow for 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 ETL INTERTEK** – In accordance with ANSI, Z.21.10.3, up to 180° F operation as an automatic storage and/or automatic circulating tank heater. ASHRAE Standard 90.1 1999 addendum 90.1b. ETL Certified to meet NSF/ANSI 5 Standards.
- **FOUR YEAR LIMITED TANK WARRANTY** – Four Year Limited Tank Warranty – On inner glass lined tank and one year limited warranty on all other components.



Intertek

## SPECIFICATIONS AND APPLICATION DATA

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Dimensions shown in inches

MODEL NUMBER	EXTERIOR DIMENSIONS			VENT	WATER PIPE SIZE	WATER I.P.S. CONNECTIONS		GAS I.P.S. CONN.		HEIGHT TO T & P OPENING
	A	B	C			HEIGHT TO TOP CONNECT	TOP WATER SPREAD	HGT	SIZE	
	D	E	F			G				
D 75-76-AS	69 1/4	26 3/8	62 1/2	4	1	66 1/8	16	17	1/2	55
D 100-83-AS	73 7/8	28 3/8	67		1 1/4	70 7/8	16	17	1/2 NPT	59 3/8

### MAXIMUM HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS

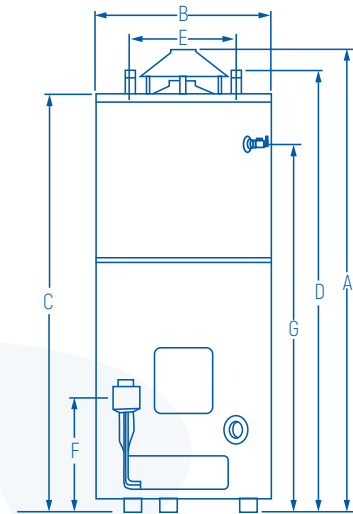
MODEL NUMBER	STORAGE CAPACITY U.S. GALLONS	ONE HOUR RECOVERY 100° RISE	1ST HOUR	2 HOURS	3 HOURS	GPM REC. 100°
D 75-76-AS	75	74	127	201	275	1.2
D 100-83-AS	100	78	148	229	310	1.4

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

### SPECIFICATIONS

MODEL NUMBER	TANK GALLONS CAPACITY	BTU INPUT NAT./L.P. GAS	REC. GPH 100° RISE NAT./L.P. GAS	UNIFORM ENERGY FACTOR	FIRST HOUR RATING
D 75-76-AS	75	76,000	74	0.6	135
D 100-83-AS	100	80,000	78	0.6	135

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



### 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-75-76-AS	NAT. / L.P.	76,000	185	148	123	105	92	82	74	67	62	57	53	
D-100-83-AS		80,000	198	158	131	112	98	86	78	70	64	59	55	

Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to 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. Water heater shall be ETL listed.

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CGLD 26.03/2018