

HEAVY DUTY LOW NO_x

Commercial Gas Water Heaters

American Standard[®]

WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **AUTOMATIC MOTORIZED FLUE DAMPER** reduces operating costs during standby periods.
- **ELECTRONIC DIRECT SPARK IGNITION** eliminates the requirement of a standing pilot.
- **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.
- **TOP, FRONT, AND REAR CIRCULATION PORTS** allows for universal installation. 1-1/2" top connections, 2" front and rear.
- **COMBUSTION CHAMBER DOOR** including hinged knob outside access & sliding inner door to isolate burner and pilot area for added safety.
- **FULL SIZE HAND-HOLE CLEANOUT** for convenient tank inspection and removal of sediment deposits.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **SMALL VENT SIZE & TOP MOUNT WATER CONNECTIONS** allow for universal replacement of other brands.
- **FURNISHED WITH HEAVY GAUGE STEEL LEGS** designed to maximize durability & provide stability during installation.
- **SELF-CLEANING TURBULENCE INDUCING DIP TUBE** engineered to reduce sediment build-up inside the tank.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM**
- **FULL FLOW BRASS DRAIN VALVE** factory provided & installed, allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

Performance

- **UP TO 82% THERMAL EFFICIENCY**
- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam.
- **DESIGN TESTED & CERTIFIED BY CSA LABORATORIES** – In accordance with ANSI, Z.21.10.3, up to 180°F operation as an automatic storage water heater. CSA tested & Certified to meet NSF/ANSI 5 Standards.

Quality

- **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- **EQUIPPED WITH 4 MAGNESIUM ANODE RODS** to prolong tank life.
- **PRESSURE TESTED AT THE FACTORY** – All tanks are hydrostatically tested and certified at 300 PSI test pressure and 150 PSI working pressure.
- **4-YEAR LIMITED TANK WARRANTY** and 1-year limited parts warranty.

75, 80, & 100 Gallon Capacities

Up to 512k BTU Input

Natural & LP Gas



SPECIFICATIONS AND APPLICATION DATA

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DIMENSIONS IN INCHES

DIMENSIONS IN INCHES								FLOOR TO						WATER CONNECTIONS DISTANCE (IN)	APPROX. SHIP WEIGHT
MODEL NUMBER	NOMINAL CAPACITY	BTU INPUT NAT & LP GAS	THERMAL EFFICIENCY %	GPH RECOVERY @ 100° RISE	VENT DIAM (IN)	JACKET DIAM (IN)	TOP OF VENT (IN)	TOP OF HEATER (IN)	TOP OF WATER CONNECTIONS (IN)	SIDE T&P (IN)	FRONT & REAR HOT TOP (IN)	FRONT & REAR COLD BOTTOM (IN)	GAS VALVE CONNECTION (IN)		
	(GAL)					A	B	C	D	E	F	G	H		
D-75-365-AS/ASME	75	365,000	80	358	8	30 ¼	75 ¾	66 ¼	N/A	58 ¼	57	19 ¼	4 ¾	N/A	946/992
D-75-399-AS/ASME	75	399,900	81	393	8	30 ¼	75 ¾	66 ¼	N/A	58 ¼	57	19 ¼	4 ¾	N/A	963/1012
D-80-125-AS	80	125,000	80	121	5	26 ¼	73 ¼	67 ¼	70 ½	57 ¼	55 ¼	22 ¾	4 ¾	19 ¾	597
D-80-165-AS	80	165,000	80	160	6	26 ¼	75 ¼	67 ½	70 ½	57 ¼	55 ¼	22 ¾	4 ¾	19 ¾	631
D-80-180-AS	80	180,000	80	175	6	26 ¼	75 ¼	67 ½	70 ½	57 ¼	55 ¼	22 ¾	4 ¾	19 ¾	628
D-80-199-AS	80	199,900	81	194	6	28 ¼	68 ¼	60 ½	64 ¼	53 ¾	52	18 ¾	4 ¾	21 ¼	675
D-80-512-AS/ASME	80	512,000	82	496	10	30 ¼	72 ¼	66 ¼	N/A	58 ¼	57	19 ¼	4 ¾	N/A	939/1021
D-100-199-AS	100	199,900	80	194	6	30 ¼	73 ¾	65 ¾	68 ¼	59	57 ½	20	4 ¾	23 ¾	745
D-100T-199-AS	100	199,900	81	194	6	28 ¼	78 ¼	70 ½	74 ½	63 ¾	62	18 ¾	4 ¾	21 ¼	752
D-100-250-AS/ASME	100	250,000	81	242	6	30 ¼	73 ¾	65 ¾	68 ¼	59	57 ½	20	4 ¾	23 ¾	824/866
D-100-270-AS/ASME	100	270,000	80	262	6	30 ¼	73 ¾	65 ¾	68 ¼	59	57 ½	20	4 ¾	23 ¾	820/837
D-100-300 AS/ASME	100	300,000	81	291	7	30 ¼	73 ¾	65 ¾	68 ¼	59	57 ½	20	4 ¾	23 ¾	815/855

For propane (LP) gas model add suffix "LP", for SCAQMD review ultra low NOx spec sheet maximum hot water deliverability at various time periods

RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	GAS TYPE	BTU INPUT	ONE HOUR RECOVERY @ 100° RISE	1ST HOUR	2 HOURS	3 HOURS	GPM RECOVERY @ 100° RISE	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
D-75-365-AS/ASME	75	NG or LP	365,000	358	411	769	1,179	5.9	895	716	597	511	448	398	358	326	298	276	256
D-75-399-AS/ASME	75	NG or LP	399,900	393	446	839	1,232	6.6	982	785	654	561	491	436	393	357	327	302	280
D-80-125-AS	80	NG or LP	125,000	121	177	298	419	2.0	303	242	202	173	152	135	121	110	101	93	87
D-80-165-AS	80	NG or LP	165,000	160	216	375	536	2.7	400	320	267	229	200	178	160	145	133	123	114
D-80-180-AS	80	NG or LP	180,000	175	231	406	581	2.9	436	349	291	249	218	194	175	159	145	134	125
D-80-199-AS	80	NG or LP	199,900	194	250	444	638	3.2	485	388	323	277	242	215	194	176	162	149	138
D-80-512-AS/ASME	80	NG or LP	512,000	496	552	1,048	1,544	8.3	1241	933	827	709	621	552	496	451	414	382	355
D-100-199-AS	100	NG or LP	199,900	194	264	458	652	3.2	485	388	323	277	242	215	194	176	162	149	138
D-100T-199-AS	100	NG or LP	199,900	194	264	458	652	3.2	485	388	323	277	242	215	194	176	162	149	138
D-100-250-AS/ASME	100	NG or LP	250,000	242	312	554	796	4.0	606	485	404	346	303	269	242	220	202	186	173
D-100-270-AS/ASME	100	NG or LP	270,000	262	332	594	856	4.4	655	524	436	374	327	291	262	238	218	201	187
D-100-300 AS/ASME	100	NG or LP	300,000	291	361	562	943	4.9	727	582	485	416	364	323	291	265	242	224	208

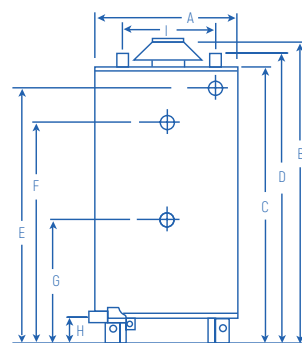
Note: Recovery rate indicated on heater rating plate is based on 75% (76%) thermal efficiency according to CSA (ANSI, Z21.10.3) Manufacturer reserves the right to make product changes and/or improvements with or without notice.

SAMPLE SPECIFICATION

Commercial Gas Water Heaters shall be AMERICAN STANDARD WATER HEATERS 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.

CONNECTION SIZES

MODEL NUMBER	STORAGE CAPACITY	TOP PORT	FRONT & REAR PORTS	GAS CONNECTION	T&P PORT
D-75-365-AS/ASME	75	N/A	2	3/4	1
D-75-399-AS/ASME	75	N/A	2	3/4	1
D-80-125-AS	80	1-1/2	2	1/2	3/4
D-80-165-AS	80	1-1/2	2	1/2	3/4
D-80-180-AS	80	1-1/2	2	1/2	3/4
D-80-199-AS	80	1-1/2	2	1/2	3/4
D-80-512-AS/ASME	80	N/A	2	1	1
D-100-199-AS	100	1-1/2	2	3/4	3/4
D-100T-199-AS	100	1-1/2	2	3/4	3/4
D-100-250-AS/ASME	100	1-1/2	2	3/4	1
D-100-270-AS/ASME	100	1-1/2	2	3/4	1
D-100-300 AS/ASME	100	1-1/2	2	3/4	1



Requires 120 Volt 60 Cycle AC Power



Globally Recognized. Industry Respected.