

HEAVY DUTY ULTRA LOW NOx

Commercial Gas Water Heaters

American Standard[®]

WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **ULTRA-LOW NOx BURNER** exceeding the California SCAQMD & BAAQMD requirements.
- **AUTOMATIC MOTORIZED FLUE DAMPER** reduces operating costs during standby periods.
- **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.
- **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.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM**
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & installed.

Performance

- **UP TO 82% THERMAL EFFICIENCY**
- **HFO FOAM INSULATED** – 1 inch-thick, environmentally-friendly insulation foam.
- **TESTED & LISTED WITH ETL INTERTEK** – In accordance with ANSI, Z.21.10.3, up to 180°F operation as an automatic storage water heater. ETL 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.

80 & 100 Gallon Capacities
Up to 512k BTU Input
Natural Gas



Intertek



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SPECIFICATIONS AND APPLICATION DATA

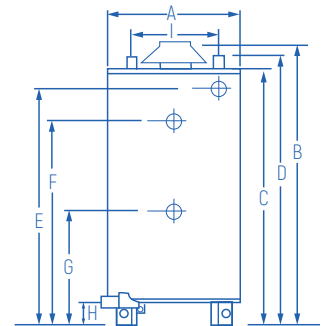
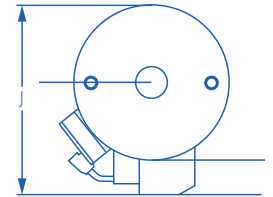
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DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	BTU INPUT NAT GAS	THERMAL EFFICIENCY %	VENT DIAM	JACKET DIAM	FLOOR TO						GAS VALVE CONNECTION	WATER CONNECTIONS DISTANCE	WIDTH WITH BLOWER	APPROX. SHIP WEIGHT (LBS)
						TOP OF VENT	TOP OF HEATER	TOP OF WATER	SIDE T&P	FRONT & REAR HOT TOP	FRONT & REAR COLD BOTTOM				
					A	B	C	D	E	F	G	H	I	J	
ULN80-125	80	125,000	81	5	26 1/4	71 3/4	65	69 1/2	58	55 1/2	29 1/4	4	19 3/4	33 1/4	629
ULN80-165	80	165,000	80	6	26 1/4	71 3/4	65	69 1/2	58	55 1/2	29 1/4	4	19 3/4	33 1/4	670
ULN80-180	80	180,000	80	6	26 1/4	72 3/4	65	69 1/2	58	55 1/2	29 1/4	4	19 3/4	33 1/4	670
ULN80-199	80	199,900	81	6	28 1/4	68 1/4	60 1/2	64	23 1/2	52	18 3/4	4	21 1/4	35 1/4	690
ULN80-399	80	399,900	81	8	30 1/4	74 1/4	66 1/4	N/A	58 1/2	57	19 1/4	4 1/2	N/A	37 1/4	950
ULN80-512	80	512,000	82	10	30 1/4	76 1/4	68 1/4	N/A	59 3/4	59	21 1/4	6 1/2	N/A	38 1/4	1,001
ULN100-199	100	199,900	81	6	30 1/4	73 1/4	65 3/4	68 1/4	63 1/2	57 1/2	20	4	23 3/4	37 1/4	783
ULN100T-199	100	199,900	81	6	28 1/4	78 1/4	70 1/2	74 1/4	59	62	18 3/4	4	21 1/4	35 1/4	794
ULN100-250	100	250,000	81	6	30 1/4	72 3/4	65 3/4	68 1/4	59	57 1/2	20	4	23 3/4	37 1/4	862
ULN100-270	100	270,000	81	6	30 1/4	72 3/4	65 3/4	68 1/4	59	57 1/2	20	4	23 3/4	37 1/4	850
ULN100-300	100	300,000	81	7	30 1/4	72 3/4	65 3/4	68 1/4	59	57 1/2	20	4	23 3/4	37 1/4	855

RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	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°
ULN80-125	80	121	177	298	419	2.0	299	239	199	171	150	133	121	109	100	92	85
ULN80-165	80	155	216	376	536	2.7	395	316	264	226	198	176	155	144	132	122	113
ULN80-180	80	175	231	406	581	2.9	430	344	287	246	215	191	175	166	143	132	123
ULN80-199	80	201	257	458	659	3.3	495	396	330	283	248	220	201	180	165	152	141
ULN80-399	80	391	447	838	1,229	6.5	963	770	642	550	482	428	391	350	321	296	275
ULN80-512	80	475	531	1,006	1,481	7.9	1159	927	772	662	579	515	475	421	386	356	331
ULN100-199	100	196	266	462	658	3.3	483	386	322	276	241	215	196	176	161	149	138
ULN100T-199	100	197	266	462	658	3.3	486	389	324	278	243	216	197	177	162	149	139
ULN100-250	100	247	316	562	808	4.1	607	486	405	347	304	270	247	221	202	187	173
ULN100-270	100	264	334	598	862	4.4	650	520	433	371	325	289	264	236	217	200	186
ULN100-300	100	302	371	672	973	5.0	743	594	495	425	371	330	302	270	248	229	212



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
ULN80-125	80	1-1/2	2	3/4	3/4
ULN80-165	80	1-1/2	2	3/4	3/4
ULN80-180	80	1-1/2	2	3/4	3/4
ULN80-199	80	1-1/2	2	3/4	3/4
ULN80-399	80	N/A	2	3/4	1
ULN80-512	80	N/A	2	1	1
ULN100-199	100	1-1/2	2	3/4	3/4
ULN100T-199	100	1-1/2	2	3/4	3/4
ULN100-250	100	1-1/2	2	3/4	3/4
ULN100-270	100	1-1/2	2	3/4	3/4
ULN100-300	100	1-1/2	2	3/4	3/4



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