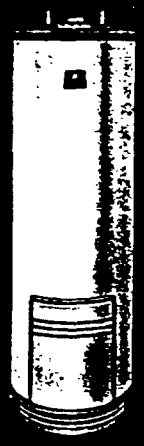
PLAINTIFF'S EXHIBIT

ASI-944



Arcoglas Deluxe
(gas)





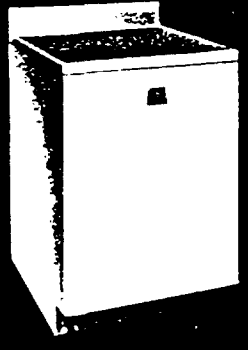
Arcosteel Deluxe
(gas)



Arcoglas Standard
(gas)



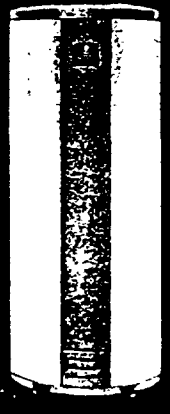
Arcosteel Standard
(gas)



Tabletop Deluxe
(electric)



Arcoglas Deluxe
(electric)



Arcosteel Standard
(electric)

11039

AMERICAN Standard
PLUMBING AND HEATING DIVISION

water heater performance-rating

...tailor the heater to exact home requirements

Now with this new easy-to-use performance-rating chart, you can specify a deluxe American-Standard water heater that won't run out of hot water... no matter what the family requirements may be.

HERE'S HOW: Simply fill in the performance-rating chart as it applies to the customer's home. The total indicates the maximum amount of hot water needed by this household in any peak-load 2-hour period. Compare this figure with the Arcoglas Deluxe performance ratings (amount the heater will deliver in a 2-hour period), then specify the model rated immediately above the performance requirements of the household. For example, if the chart indicates that household requirements are 90 gallons, be sure to specify the G-40-DG rated at 97.

Remember, American-Standard Water Heaters are performance-rated up to 25% higher than competitive water heaters with the same-size tank.

American-Standard Gas Water Heaters meet national safety requirements and are approved by the American Gas Association for operation with all gases. They are also approved for 180° water and may be used commercially by adding a 180° approval name plate and changing the dial on the thermostat.

if you have any of these ...	write this figure ... (gallons of 150° hot water needed in 2-hr. peak period)	in this column
HOUSEHOLD FACTOR		
dishwashing		
sink (manual washing)	6	
automatic dishwasher	9	
laundry		
tub	24	
automatic clothes washer	57 (3 cycles)*	
standard clothes washer	32	
miscellaneous cleaning	2	
miscellaneous hand laundry	8	
each additional bathroom over 1½	8	
PEOPLE FACTOR		
family of 4 or under	8	
each additional member	2	
each pre-school child in the family (for diapers, etc.)	2	
	sub-total	
ADDITIONAL FACTORS **approximate size of home (number of bedrooms)**	**for a safety factor add the following percentage to the above sub-total**	
3 or under	0%	
4	10%	
5	25%	
over 5	40%	
	total	

*average requirements of 14 leading washing machine manufacturers

features of gas water heaters

1. built-in draft hood ... designed to fit within the overall water heater dimensions, this modern draft diverter eliminates low ceiling problems... adds to attractiveness... aids efficient combustion and heat transfer. Only on Arcoglas Deluxe... conventional bell type draft hood on other models.

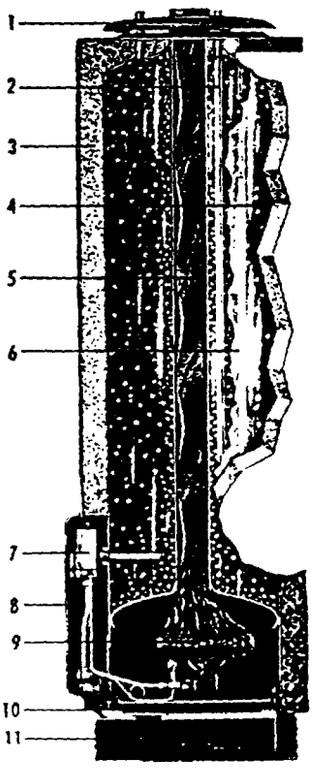
2. Kralastic inlet tube ... imparts no taste or odor to water... can be inserted on either side if installation needs require... introduces cold water at low point in tank.

3. thick insulation ... heavy blanket of Fiberglas completely encircles storage tank and combustion chamber... keeps hot water hot... assures economy.

4. glass-lined tank ... a rich protective coating of glass blankets the tank... stops corrosion in even the most aggressive water. Tank hydrostatically tested to 353 pounds per square inch. Arcosteel models have new-process galvanized steel tanks.

5. center flue ... baffled to transfer maximum heat into tank... center location adds strength to construction.

6. magnesium anode ... the principle of electrolysis is utilized as an added protection against corrosion. Comes in all models except Arcosteel Standard.



7. 100% safety controls ... in case of fuel failure, pilot and burner go off automatically... designed for all gases... assured safe lighting... all parts, including magnetic power unit, are easily replaceable in the home.

8. concealed attachments ... all controls on Arcoglas Deluxe are concealed yet readily accessible... located in front on all models. Sediment faucet (not shown) within easy reach.

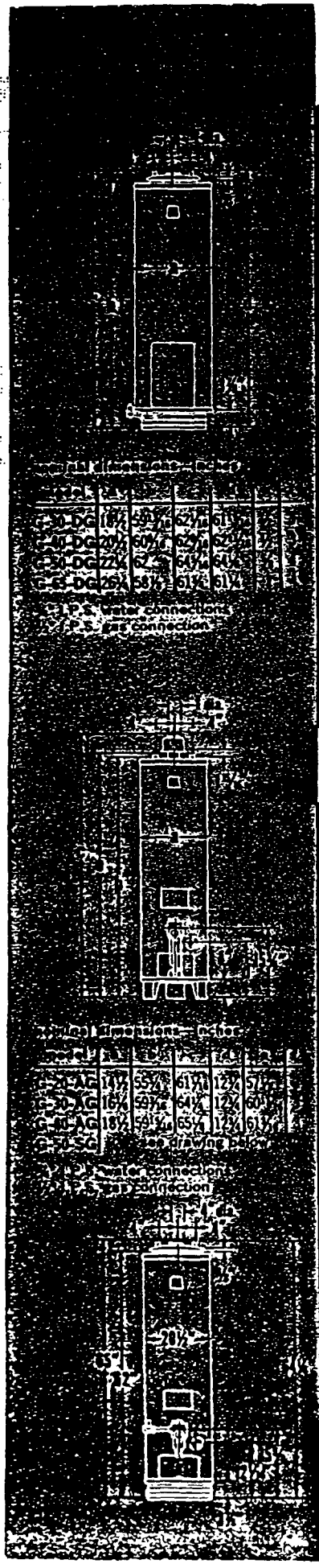
9. combustion chamber gives more hot water ...flame formed to heat in 360° circle... provides up to 25% more hot water than other same-sized tanks... sweeps across entire base of storage tank... horizontal-venturi type single-port burner designed for extreme efficiency... made of cast iron for ruggedness... clean flame is noiseless.

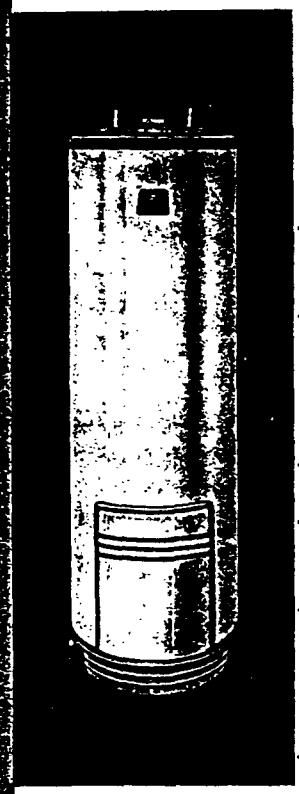
10. radiation shield... reflects heat into storage tank that otherwise would be lost... keeps "start-up" condensation off the floor... aids overall heater efficiency.

11. solid ring-type base ... more attractive appearance... eliminates "dust bunnies" under the heater. On Arcoglas Deluxe only... conventional leg supports on all other models.

optional 2-temperature hot water ... get laundry-hot water for washing clothes... comfortably hot for bathroom use with the special 2-temperature hot water attachment.

gas water heaters





Arcoglas Deluxe

Arcoglas Deluxe water heater is covered by a ten year protection plan including 100% warranty for the first five years and a pro-rated plan for the remaining five.

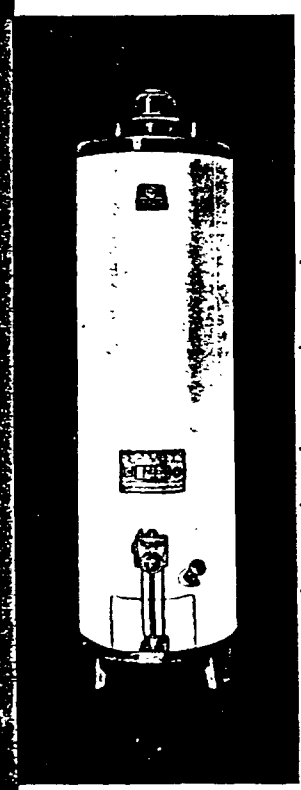
Arcoglas Deluxe ratings and data
for installation at sea level and up to 2,000 feet

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S25-1400 LP-air gases		performance rating
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*	
G-30-DG	30	38,000	31.9	32,000	26.9	32,000	26.9	86
G-40-DG	40	40,000	33.6	35,000	29.4	35,000	29.4	97
G-50-DG	50	50,000	42.0	45,000	37.8	40,000	33.6	121
G-65-DG	65	68,000	57.1 (Nat)	50,000	42.0	55,000	46.2	163
		60,000	50.4 (Mfg.)					

for installation at elevation of 2,000 to 5,000 feet (higher altitude rating should be reduced at the rate of 4% for each 1,000 feet above 5,000 feet)

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S25-1400 LP-air gases	
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*
G-30-DG	30	30,400	25.5	25,600	21.5	25,600	21.5
G-40-DG	40	32,000	26.9	28,000	23.5	28,000	23.5
G-50-DG	50	40,000	33.6	36,000	30.3	32,000	26.9
G-65-DG	65	54,400	45.7 (Nat)	40,000	33.6	44,000	37.0
		48,000	40.3 (Mfg)				

*U.S. Gallons raised 100°F. per hour



Arcoglas Standard

Backed by 10 year protection plan—rugged cast iron burner—glass coated tank—magnesium anode—rugged cast iron burner—thick Fiberglas insulation—100% safety controls.

Arcoglas Standard ratings and data
for installation at sea level and up to 2,000 feet

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S25-1400 LP-air gases		performance rating
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*	
G-20-AG	20	26,000	21.8	26,000	21.8	23,000	19.3	58
G-30-AG	30	32,000	26.9	32,000	26.9	32,000	26.9	76
G-40-AG	40	37,000	31.1	35,000	29.4	35,000	29.4	92
G-50-SG	50	50,000	42.0	45,000	37.8	40,000	33.6	121

for installation at elevation of 2,000 to 5,000 feet (higher altitude rating should be reduced at the rate of 4% for each 1,000 feet above 5,000 feet)

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S25-1400 LP-air gases	
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*
G-20-AG	20	20,800	17.5	20,800	17.5	18,400	15.5
G-30-AG	30	25,600	21.5	25,600	21.5	25,600	21.5
G-40-AG	40	29,600	24.9	28,000	23.5	28,000	23.5
G-50-SG	50	40,000	33.6	36,000	30.3	32,000	26.9

*U.S. Gallons raised 100°F. per hour

11041

AMERICAN-Standard
PLUMBING AND HEATING DIVISION

gas water heaters

Arcosteel Deluxe

Arcosteel Deluxe is covered by a five year protection plan, including a 100% guarantee for the first two years and a pro-rated plan for the remaining three years.



Arcosteel Deluxe ratings and data

for installation at sea level and up to 2,000 feet

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S2S-1400 LP-air gases		per-formance rating
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*	
G-20-AS	20	26,000	21.8	26,000	21.8	23,000	19.3	53
G-20-ASR		30,000	25.2	—	—	—	—	65
G-30-AS	30	32,000	26.9	32,000	26.9	32,000	26.9	76
G-30-ASR		38,000	31.9	—	—	—	—	86
G-40-AS	40	37,000	31.1	35,000	29.4	35,000	29.4	92
G-40-ASR		40,000	33.6	—	—	—	—	97
G-50-DS	50	50,000	42.0	45,000	37.8	40,000	33.6	121

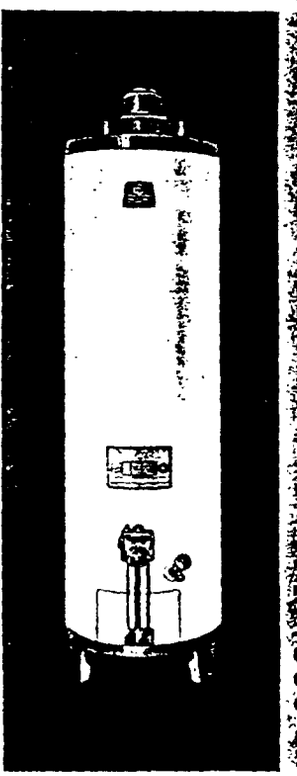
for installation at elevation of 2,000 to 5,000 feet (higher altitude rating should be reduced at the rate of 4% for each 1,000 feet above 5,000 feet)

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S2S-1400 LP-air gases	
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*
G-20-AS	20	20,800	17.5	20,800	17.5	18,400	15.5
G-20-ASR		24,000	20.2	—	—	—	—
G-30-AS	30	25,600	21.5	25,600	21.5	25,600	21.5
G-30-ASR		30,400	25.5	—	—	—	—
G-40-AS	40	29,600	24.9	28,000	23.5	28,000	23.5
G-40-ASR		32,000	26.9	—	—	—	—
G-50-DS	50	40,000	33.6	36,000	30.3	32,000	26.9

*U.S. Gallons raised 100°F. per hour

Arcosteel Standard

Arcosteel Standard is performance rated to deliver all the hot water you need—Fiberglas insulation—100% shut-off controls—carries a one year factory warranty.



Arcosteel Standard ratings and data

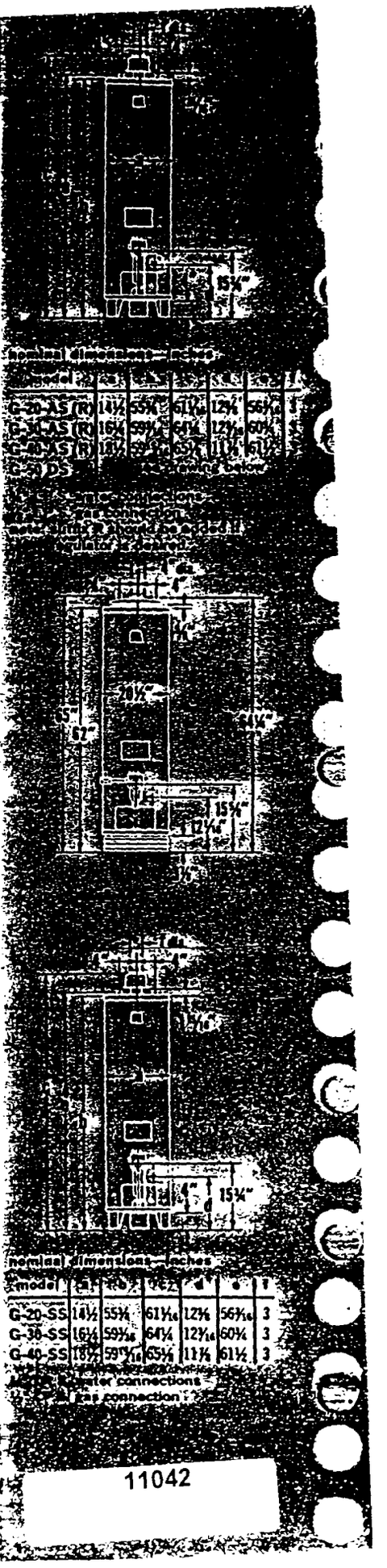
for installation at sea level and up to 2,000 feet

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S2S-1400 LP-air gases		per-formance rating
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*	
G-20-SS	20	26,000	21.8	26,000	21.8	23,000	19.3	58
G-30-SS	30	32,000	26.9	32,000	26.9	32,000	26.9	76
G-40-SS	40	37,000	31.1	35,000	29.4	35,000	29.4	92

for installation at elevation of 2,000 to 5,000 feet (higher altitude rating should be reduced at the rate of 4% for each 1,000 feet above 5,000 feet)

model no.	cap. gal.	nat., mfg. & mixed gases		LP gases		S2S-1400 LP-air gases	
		input btuh	recovery rate*	input btuh	recovery rate*	input btuh	recovery rate*
G-20-SS	20	20,800	17.5	20,800	17.5	18,400	15.5
G-30-SS	30	25,600	21.5	25,600	21.5	25,600	21.5
G-40-SS	40	29,600	24.9	28,000	23.5	28,000	23.5

*U.S. Gallons raised 100°F. per hour



features of electric water heaters

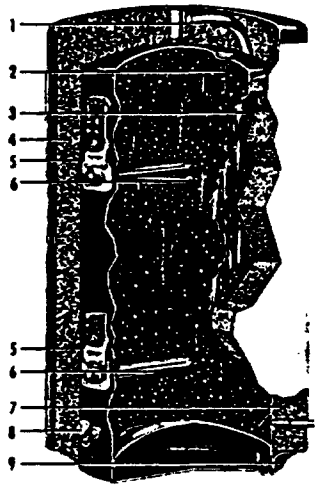
1. heat trap . . . outlet connection at top of tank traps hot water at the hottest point in the heater, and aids efficient operation by eliminating cooling effects through unnecessary water circulation.

2. magnesium anode . . . a feature on all glass-lined models . . . acts as a double check against corrosion, using the principle of electrolysis.

3. glass-lined tank . . . a rich protective coating of glass blankets the tank . . . stops corrosion in even the most aggressive water. Tank hydrostatically tested 353 lbs. per square inch. Arcosteel models have new-process galvanized steel tanks.

4. thick insulation . . . heavy blanket of Fiberglas completely encircles storage tank and combustion chamber . . . keeps water hot . . . assures economy.

5. fast-reacting thermostats . . . each heating element is equipped with an automatic thermostat which turns off electricity instantly when desired water temperature is reached. For added safety, high-temperature limit switch (optional) will shut off current at predetermined high temperature.



6. heating elements . . . meet local electric utility rules. Heaters are equipped with one or two elements ranging from 600 to 5000 watts. Through direct contact with water, each element produces full value from every KWH (Kilowatt hour).

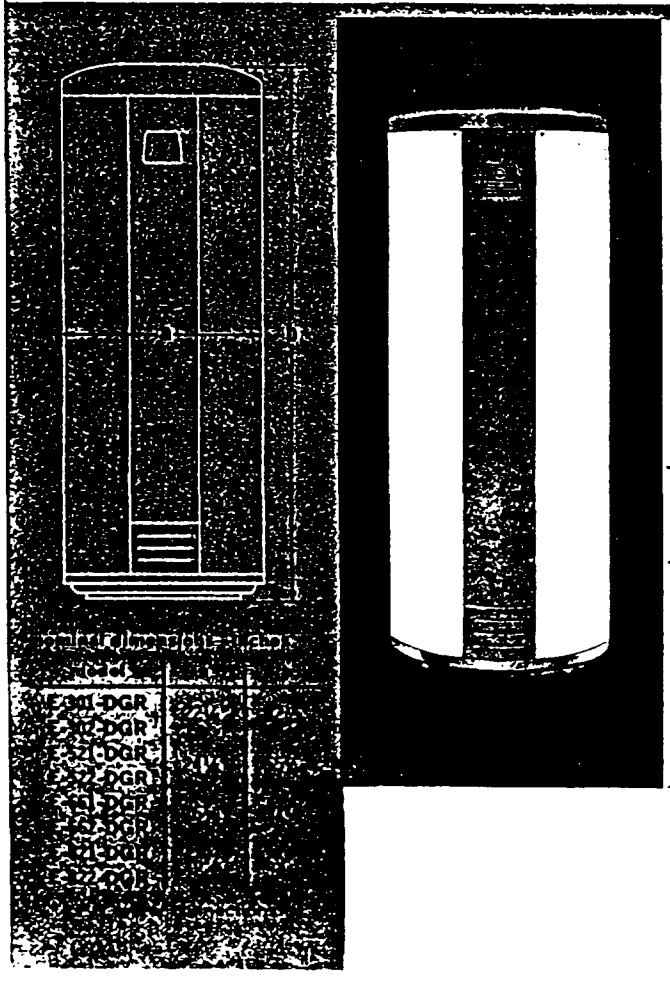
7. smooth cold water entry . . . water enters at the low point in the tank through a baffled inlet. This prevents any cold water dilution of heated water.

8. handy drain faucet . . . placed at lowest point in tank . . . for your convenience it is provided with pipe threads to fit standard hose connections.

9. solid base . . . provides greater strength and support . . . is easier to install . . . eliminates dust under the heaters.

all wiring to junction box . . . installation is simplicity itself. The heater is completely wired at the factory. The only electrical work needed is from the junction box to the house current.

now the convenience of 2-temperature water... hot water (110°) for the bathroom—hotter water (150°) for the laundry can easily be accomplished by specifying the new optional American-Standard 2-temperature hot water attachment.



Arcoglas Deluxe

Consider the wonder of electricity for quiet modern heat . . . the protection of glass lining for long, long tank life . . . and the thermos effect of Fiberglas insulation for holding every degree of heat. Add the dependability of new thermostatic controls to provide exact desired water temperature . . . the security of a 10-year warranty to exemplify American-Standard faith in a superior product . . . and the sound principle of Performance-Rating, for assuring the correct water heater to meet your specific needs. Combine all these and a host of other new features and you have the finest, newest electric water heater on the market . . . the all-new American-Standard Arcoglas Deluxe Electric.

Arcoglas Deluxe ratings and data

model no.	cap. gal.	tank diam.	standard input (wattage)		high input (wattage)	
			primary	secondary	primary	secondary
E-301-DGR•	30	16"	1500		5000	
E-302-DGR▾			600	1000	5000	5000
E-521-DGR•	52	18"	2500		5000	
E-522-DGR▾			1000	1500	5000	5000
E-661-DGR•	66	20"	3000		5000	
E-662-DGR▾			1250	2000	5000	5000
E-821-DGR•	82	20"	4000		5000	
E-822-DGR▾			1500	2500	5000	5000

• single element 230 volt a.c. ▾ double element 230 volt a.c. per element

August 1, 1959

AMERICAN-Standard
PLUMBING AND HEATING DIVISION

11043

electric water heaters

Arcosteel Standard

To keep electricity bills at a minimum, accurate thermostatic controls instantly shut off heating elements when the exact desired water temperature is reached. And to keep the hot water hot a thick coating of Fiberglas insulation encircles the tank. For your convenience, the Arcosteel Standard Electric is available with one or two heating elements . . . any wattage up to 5,000, depending on local utility regulations.

And now through Performance-Rating, a new scientific approach to specifying the right electric water heater for each home, you can be sure of a constant hot water supply with the Arcosteel Standard.

The Arcosteel Standard Electric is covered by a ten-year protection plan.



Arcosteel Standard ratings and data

model no.	cap. gal.	tank diam.	standard input (wattage)		high input (wattage)	
			primary	secondary	primary	secondary
E-301-SSR●	30	16"	1500		5000	
E-302-SSR▼			600	1000	5000	5000
E-401-SSR●	40	16"	2000		5000	
E-402-SSR▼			750	1250	5000	5000
E-521-SSR●	52	18"	2500		5000	
E-522-SSR▼			1000	1500	5000	5000
E-661-SSR●	66	20"	3000		5000	
E-662-SSR▼			1250	2000	5000	5000
E-821-SSR●	82	20"	4000		5000	
E-822-SSR▼			1500	2500	5000	5000

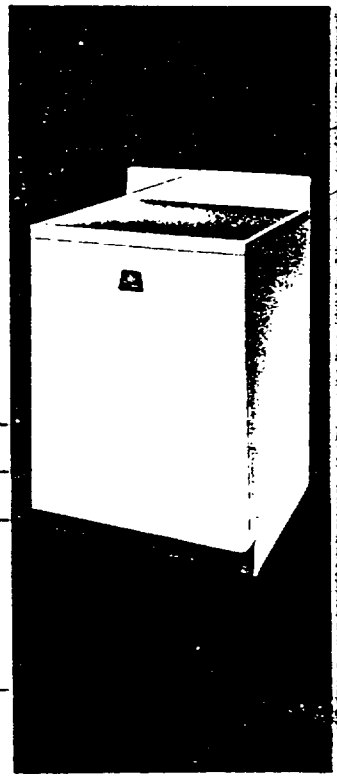
● single element 230 volt a.c. ▼ double element 230 volt a.c. per element

Tabletop Deluxe

Created for contemporary living, the Tabletop Deluxe is the perfect solution to modern design . . . a minimum-height water heater with a functional work surface, in both glass-lined and galvanized tanks.

The porcelain top is optional. With it the heater stands at the standard 36" work surface height . . . without it, this Deluxe heater can be smoothly integrated into a line of base cabinets under a continuous counter top.

And both of these practical models are covered by a 10-year warranty . . . electric heating elements and thermostats for quiet efficient operation . . . and extra-thick Fiberglas insulation to keep electricity bills at a minimum.



Tabletop Deluxe ratings and data

model no.■	cap. gal.	tank diam.	standard input (wattage)		high input (wattage)	
			primary	secondary	primary	secondary
E-301●	30	20"	1500		5000	
E-302▼			600	1000	5000	5000
E-401●	40	22"	2000		5000	
E-402▼			750	1250	5000	5000
E-501●	50	22"	2500		5000	
E-502▼			1000	1500	5000	5000

■ designate tank type desired by adding suffixes DGT for glass lined tanks, DST for galvanized steel tanks

● single element 230 volt a.c.
▼ double element 230 volt a.c. per element

