

TRADE PRICES

Effective January 18, 1937

PLAINTIFF'S EXHIBIT

ASI-174

KEWANEE INDIRECT HOT WATER HEATING COILS

For STORAGE TANK Operation

SINGLE COIL						DOUBLE COIL					
Model	Capacity (Gals.)	Length (In.)	Number of Pipes	Trade Price Installed		Model	Capacity (Gals.)	Length (In.)	Number of Pipes	Trade Price Installed	
S6-24	90	55	3.0	1-3	\$23.80	D6-24	180	110	6.0	6	\$34.60
S6-30	120	70	3.5	4	27.40	D6-30	240	145	7.5	8	41.80
S6-36	150	90	4.6	5	31.00	D6-36	300	180	9.1	10	49.00
S6-42	180	110	5.4	6	34.60	D6-42	360	215	10.7	12	53.80
S6-48	210	125	6.2	7	38.20	D6-48	420	250	12.3	14	58.60
S6-54	240	145	6.9	8	41.80	D6-54	480	290	13.9	16	63.40
S6-60	270	160	7.7	9	45.40	D6-60	540	325	15.4	18	68.20
S6-66	300	180	8.5	10	49.00	D6-66	600	360	17.0	20	73.00
S6-72	330	200	9.3	11	51.40	D6-72	660	395	18.6	22	77.80
S6-78	360	215	10.1	12	53.80	D6-78	720	430	20.1	24	82.60
S6-84	390	235	10.9	13	56.20	D6-84	780	470	21.7	26	87.40
S6-90	420	250	11.7	14	58.60	D6-90	840	505	23.3	28	92.20
S6-96	450	270	12.4	15	61.00	D6-96	900	540	24.9	30	97.00
S6-102	480	290	13.2	16	63.40	D6-102	960	575	26.4	32	101.80
S6-108	510	305	14.0	17	65.80	D6-108	1020	610	28.0	34	106.60
S6-114	540	325	14.8	18	68.20	D6-114	1080	650	29.6	36	111.40
S6-120	570	340	15.6	19	70.60	D6-120	1140	685	31.2	38	116.20
S8-24	120	70	3.9	4	27.40	D8-24	240	145	7.7	8	41.80
S8-30	160	95	5.0	5-6	32.20	D8-30	320	190	9.9	8-11	50.60
S8-36	200	120	6.0	6-7	37.00	D8-36	400	240	11.9	11-14	57.00
S8-42	240	145	7.0	8	41.80	D8-42	480	290	14.0	16	63.40
S8-48	280	170	8.1	9-10	46.40	D8-48	560	335	16.1	16-19	69.80
S8-54	320	190	9.1	10-11	50.60	D8-54	640	385	18.2	19-21	76.20
S8-60	360	215	10.2	12	53.80	D8-60	720	430	20.3	24	82.60
S8-66	400	240	11.2	13-14	57.00	D8-66	800	480	22.4	24-27	89.00
S8-72	440	265	12.3	14-15	60.20	D8-72	880	530	24.5	27-30	95.40
S8-78	480	290	13.3	16	63.40	D8-78	960	575	26.6	32	101.80
S8-84	520	310	14.4	16-18	66.60	D8-84	1040	625	28.7	32-35	108.20
S8-90	560	335	15.4	18-19	69.80	D8-90	1120	670	30.8	35-38	114.60
S8-96	600	360	16.5	20	73.00	D8-96	1200	720	32.9	40	121.00
S8-102	640	385	17.5	20-22	76.20	D8-102	1280	770	35.0	40-43	127.40
S8-108	680	410	18.6	22-24	79.40	D8-108	1360	815	37.1	43-46	133.80
S8-114	720	430	19.6	24	82.60	D8-114	1440	865	39.2	48	140.20
S8-120	760	455	20.7	24-26	85.80	D8-120	1520	910	40.3	48-51	146.60

S6-24 means Single rows of 6 pipes 24" long. D8-42 means Double rows of 8 pipes 42" long.

SL6-36 and DL8-42 mean Long Terminal coils for SDR boilers.

Capacity data and prices for SL and DL coils are same as for S and D coils of identical sizes.

Short Terminal S6, D6, S8, D8 also DN coils are interchangeable in all boilers including SDR 1X and 2X series.

Long Terminal SL, DL and QN, TN coils are interchangeable only in SDR boilers, DN series and later.

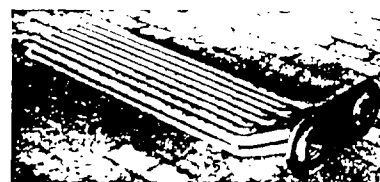
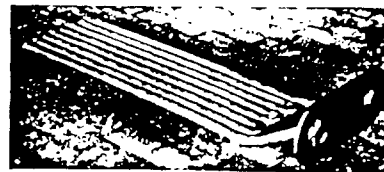
Instantaneous Tankless Flow DN and QN, TN coils listed on reverse side of sheet.

0-300 gal. 13-112 ga.
Over 300 gal. 25-08 ga.

LARGE VOLUME UNITS

Model	Capacity (Gals.)	Length (In.)	Number of Pipes	Trade Price Installed
2D8-66	1600	960	50-55	\$153.00
2D8-78	1800	1080	55-60	169.00
2D8-84	2000	1200	60-67	185.00
2D8-90	2200	1320	67-73	201.00
2D8-96	2400	1440	74-80	217.00
2D8-102	2600	1560	80-87	233.00
2D8-108	2800	1680	87-94	249.00
3D8-84	3000	1800	94-100	265.00
3D8-90	3200	1920	100	289.00
3D8-96	3600	2160	120	313.00
3D8-102	3900	2340	130	337.00
3D8-108	4200	2520	140	361.00
3D8-120	4500	2700	150	385.00

KEWANEE INDIRECT COIL FOR HEATING DOMESTIC HOT WATER



Note substantial fittings and generous size piping.

Single and Double Hot Water Coil Assembly consists of: Copper tubing brazed into bronze fittings, brass boned ends, tapped standard pipe thread. Locknuts with ring gaskets. Boiler steel mounting plate. Full face sheet, 1/2" per gasket. Twelve cadmium plated cap screws. Pressed steel frame.

For coils, standard size of 1/2" and 3/4" nominal diameter, 1/2" and 3/4" nominal wall thickness, 1/2" and 3/4" nominal end fitting diameter, 1/2" and 3/4" nominal end fitting wall thickness.

But ratings do not include allowance for heating domestic water by Indirect Coils. Allow 1/2 sq. ft. of steam radiation, or .8 sq. ft. of water radiation for each gallon of water heated.

For GRAVITY CIRCULATION with STORAGE TANK capacity as listed above is the number of gallons raised 100° from 40° to 140° in 1 hrs.

For summer use, and with intermittently fired fuels, use capacity listed with 180° Boiler Water.

FOR MAXIMUM LENGTH AND NUMBER OF COILS WHICH CAN BE INSTALLED SEE REVERSE SIDE OF SHEET.

TRADE PRICES

Effective January 18, 1937

KEWANEE INDIRECT HOT WATER HEATING COILS

For INSTANTANEOUS FLOW

FOR SQUARE TYPE "R" BOILERS ONLY					
Boiler Model	Capacity (Gallons per Hour)	Coil Length (Feet)	Coil Size (Inches)	Coil Weight (Lbs.)	Trade Price Installed
N1	185	3.1	12.3	1	\$54.60
N2	240	4.0	15.9	6	63.40
N3	295	4.9	19.5	12	72.20
N4	350	5.8	23.1	18	81.00
N7	400	6.7	26.7	20	89.00
N5	450	7.5	30.3	25	97.00
N6	510	8.5	33.9	34	106.60

FOR 83R BOILERS ONLY					
Boiler Model	Capacity (Gallons per Hour)	Coil Length (Feet)	Coil Size (Inches)	Coil Weight (Lbs.)	Trade Price Installed
TN1	185	3.1	12.4	1	\$54.60
QN1	240	4.0	15.9	6	63.40
TN2	240	4.0	15.8	6	63.40
QN2	310	5.2	20.5	12	74.60
TN3	290	4.8	19.2	12	71.40
QN3	375	6.0	25.0	20	85.00
TN4	350	5.8	22.7	18	81.00
QN4	445	7.4	29.6	28	96.20
TN7	390	6.5	26.1	20	87.40
QN7	510	8.5	34.2	34	106.60
TN8	445	7.4	29.6	28	96.20
QN8	580	9.7	38.8	40	117.80
TN9	495	8.0	33.0	34	104.20
QN9	650	10.8	43.4	48	129.00

25—16 gal.

25—16 gal.

INSTANTANEOUS Flow, capacity as listed above is the number of gallons raised 100° from 40° to 140° in 1 hour with water at 180°. Boiler ratings do not include allowance for heating domestic water by Indirect Coils.

the INSTANTANEOUS Tankless hot water demand is added to the heating load for more than ten minutes in any hour, allowance of 4 sq. ft. of steam radiation or 6.4 sq. ft. of water radiation must be added for each gallon of water heated for Gravity Circulation with Storage Tank listed on front side of sheet.

MAXIMUM LENGTH AND NUMBER OF COILS FOR KEWANEE BOILERS

TYPE "C" BOILERS

For STORAGE TANK Operation	INSTANTANEOUS Flow
Boiler Model	Maximum Size and No. Per Boiler
770	1—DN4
774	1—DN7
775	1—DN9
776	1—DN9
777	1—DN9
778	1—DN9
779	1—DN9
780	1—DN9
781	1—DN9
782	1—DN9
783	1—DN9
784	1—DN9
785	1—DN9
786	1—DN9
787	1—DN9
788	1—DN9
789	1—DN9
790	1—DN9

SQUARE TYPE "R" BOILERS

For STORAGE TANK Operation	INSTANTANEOUS Flow
Boiler Model	Maximum Size and No. Per Boiler
742	1—DN3
743	1—DN4
745	1—DN4
746	1—DN7
747	1—DN8
748	1—DN9

83R OIL OR GAS BOILERS

S-831	24	1	1—TN1 or QN1
S-832	36	1	1—TN2 or QN2
S-833	42	1	1—TN3 or QN3
S-834	42	1	1—TN4 or QN4
S-835	42	1	1—TN7 or QN7
S-836	48	1	1—TN8 or QN8
S-837	54	1	1—TN9 or QN9
S-838	60	1	1—TN9 or QN9

to separate Type "R" price sheet for complete data on Coils for Square and Round Type "R" Boilers.

to Catalog 88h for Data and Measurements on Square "R" Boilers with Coil assemblies and to Catalog RG-92d and C-92b for Round Type "R" Boilers.

and Information on application for Coils which can be installed in other boiler series not covered by this sheet.

for Instantaneous Flow (Tankless) Coils. Instantaneous Flow (Tankless) Coils are usually designed to use a mixing valve to regulate the temperature of the water at the outlets.

to current General Boiler Price Sheets for Terms, Claims, Guarantee, etc.

prices herein quoted supersede all prior quotations and are subject to change without notice.

KEWANEE BOILER CORPORATION KEWANEE, ILLINOIS

division of American Radiator & Standard Sanitary Corporation

TRADE PRICES

Effective January 18, 1937

KEWANEE 15 Pounds Working Pressure Steel Heating Boilers Round and Square "R" Welded Boilers Indirect Hot Water Heating Coils

All prices herein quoted supersede all prior quotations and are subject to change without notice.

On occasion of any advance in the schedule of prices herein quoted, only orders actually mailed, to us or to Jobbers representing us, before such advance in price is made will be invoiced at the price effective prior to the advance.

Built to American Society of Mechanical Engineers Boiler Code

While this code is the latest ruling issued by the A.S.M.E. Code Committee to govern the construction of boilers, it is used by Kewanee only as a minimum limit. In all our boilers the construction is above the code requirements based on our 16 years experience as to what is required to make a boiler that will give long and satisfactory service.

ALL KEWANEE BOILERS ARE UNIFORMLY RATED

Ratings are in conformity with the Steel Heating Boiler Institute's Code for Rating Low Pressure Heating Boilers

GENERAL TERMS, GUARANTEE, ETC.

TERMS. 5 per cent discount for cash within 15 days from date of invoice or 30 days net cash. On all past due accounts the legal rate of interest will be charged. Cash Discount on Trade Prices before addition of surcharge.

CLAIMS. As all goods are shipped at buyer's risk, they should be examined carefully before he signs railroad receipt. If transportation company tenders delivery of goods in bad order, buyer should insist on railroad agents making notation of condition on freight bills, thus enabling buyer to secure prompt payment of railroad claims which may be filed by him for value of the damaged material.

The responsibility of this Corporation ceases upon delivery of goods in good order to transportation companies. All orders are accepted subject to strikes, accidents, or other causes beyond our control.

GUARANTEE. Our goods are guaranteed only to the extent of furnishing by freight new parts for any found defective in manufacture. No claim will be allowed unless presented within 60 days after receipt of goods. Goods must not be returned except by special permission and when so returned will be subject to discount.

FREIGHT SURCHARGE

FREIGHT TERMS. The following freight terms will apply on shipments of Kewanee Low Pressure Steel Heating Boilers.

F. O. B. Kewanee with the addition of freight surcharges outlined below in cents per hundred pounds, and with an allowance of full freight to nearest railroad point of destination in zones listed.

SURCHARGE IN CENTS PER HUNDRED POUNDS

Zone	LESS CARLOAD		Weight Limit for L.C.L. Surcharge	CARLOAD	
	Surcharge	Weight		Surcharge	Weight
A	\$.60	Listed Weights	10000 lbs	\$.25	Listed Weights But Not Less Than 24000 lbs
B	\$.95	Caution— In No Case Exceed the Minimum Listed Surcharge	12600 lbs	\$.50	
C	\$1.25		13400 lbs	\$.70	
D	\$1.70		12700 lbs	\$.90	
E	\$2.10		12770 lbs	\$1.10	
F	\$2.45		12700 lbs	\$1.70	
G	\$2.85		12600 lbs	\$1.50	
Zone	Zone	STATE	Zone	STATE	Zone
ALABAMA	1	ALABAMA	1	PENNSYLVANIA	A
ARIZONA	2	ARIZONA	2	RHODE ISLAND	B
ARKANSAS	3	ARKANSAS	3	SOUTH CAROLINA	C
CALIFORNIA	4	CALIFORNIA	4	SOUTH DAKOTA	D
CONNECTICUT	5	CONNECTICUT	5	TENNESSEE	E
DELAWARE	6	DELAWARE	6	TEXAS	F
FLORIDA	7	FLORIDA	7	UTAH	G
GEORGIA	8	GEORGIA	8	VERMONT	A
ILLINOIS	9	ILLINOIS	9	VIRGINIA	A
INDIANA	10	INDIANA	10	WASHINGTON	G
IOWA	11	IOWA	11	WEST VIRGINIA	B
KANSAS	12	KANSAS	12	WISCONSIN	A
KENTUCKY	13	KENTUCKY	13	WYOMING	F
LOUISIANA	14	LOUISIANA	14		
MAINE	15	MAINE	15		
MARYLAND	16	MARYLAND	16		
MASSACHUSETTS	17	MASSACHUSETTS	17		
MICHIGAN	18	MICHIGAN	18		
MINNESOTA	19	MINNESOTA	19		
MISSISSIPPI	20	MISSISSIPPI	20		
MISSOURI	21	MISSOURI	21		
MONTECALM	22	MONTECALM	22		
NEBRASKA	23	NEBRASKA	23		
NEVADA	24	NEVADA	24		
NEW HAMPSHIRE	25	NEW HAMPSHIRE	25		
NEW JERSEY	26	NEW JERSEY	26		
NEW YORK	27	NEW YORK	27		
NORTH CAROLINA	28	NORTH CAROLINA	28		
NORTH DAKOTA	29	NORTH DAKOTA	29		
OHIO	30	OHIO	30		
OKLAHOMA	31	OKLAHOMA	31		
OREGON	32	OREGON	32		

KEWANEE BOILER CORPORATION

division of American Radiator and Standard Sanitary Corporation

KEWANEE, ILLINOIS

TRADE PRICES

KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

15 lbs. Steam W. P.. 90 lbs. Water W. P.. 135 lbs. Hydrostatic Test

This Round "R" Boiler for homes and smaller buildings is a real Kewanee, strongly built of Steel for Long Life of heavy duty performance. High Class KEWANEE workmanship is reflected thruout. The refractory lined doors are smooth ground to a gas-tight finish on the heavy es. The Two-Pass tubes give higher efficiencies, 80% and up. Additly for oil, gas or stoker the Spinner Blades and self-actuated Draft ster have a big plus value. There is no extra charge for these.

Accessibility for cleaning permits keeping the Efficiency high. The neat and pleasing Jacket which houses these dependable Type "R" rs may well be a deciding factor which will influence the owner to t one of our heating units for his modern basement or for wherever t exterior trim is considered an essential. KEWANEE offers 4 styles. First there is our Round Jacket, a snug fitted sheathing of insulated

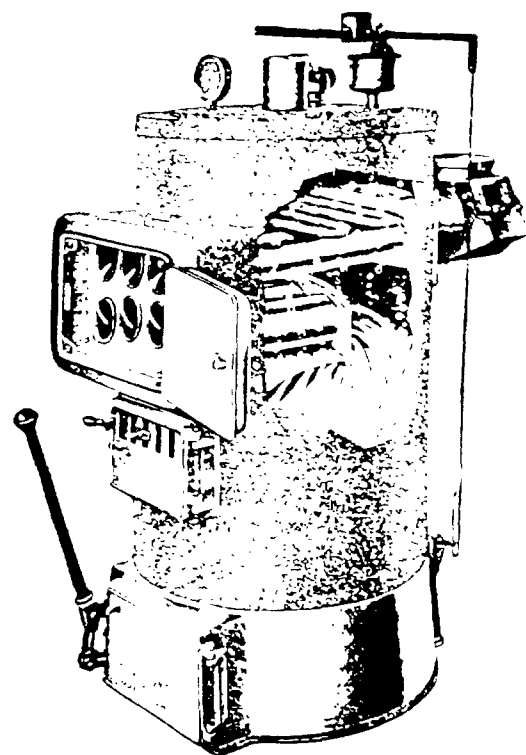
Takes up less room than any other Jacket. Exactly the thing for Firing or where equipment for Mechanical Firing is to be completely sible. With the new Smartline Regal Jackets complete enclosure is ed for Any Gun Type burner with our boiler. The Square-Regal et is a choice for Rotary Burners, also will enclose foreshortened Types. Or in outside assemblies, either front or rear fired, whichever ferred, the Smartline Rex Square Jacket is available.

Only with KEWANEE is this wide range of choice in Regal, Square and d Jackets available.

Low purchase price, low installation cost and upkeep, make the Kewanee cheaper to buy and operate than any other on the market. First includes regular Hot Water Heating Coil for Domestic Tank Supply.

Big Coil may be ordered. And for Instantaneous Flow without ge Tank, there is the KEWANEE Instantaneous Coil.

All Kewanee Copper Coils fit inside the boiler and are interchangeable.



ROUND TYPE "R" BOILER
FOR BURNING COAL

FOR BURNING COAL

BITUMINOUS COAL 735-736 SERIES						ANTHRACITE COAL OR COKE 2735-2736 SERIES											
SIZE		WEIGHT		RECOMMENDED SURCHARGE PER TON		TRADE PRICE To which Surcharge must be Added		DEDUCTIONS FOR OMITTING REGULAR PARTS									
Screen		Weight		Screen		Weight		Screen		Weight		Price		Weight		Price	
410		660		120		112		1040		1000		82.00		88.00		85.00	
550		880		161		158		1280		1200		2.00		8.00		5.00	
—UNJACKETED																	
410		660		120		112		1040		1000		82.00		88.00		85.00	
550		880		161		158		1280		1200		2.00		8.00		5.00	
—WITH ROUND JACKET																	
410		660		120		112		1040		1000		82.00		88.00		85.00	
550		880		161		158		1280		1200		2.00		8.00		5.00	

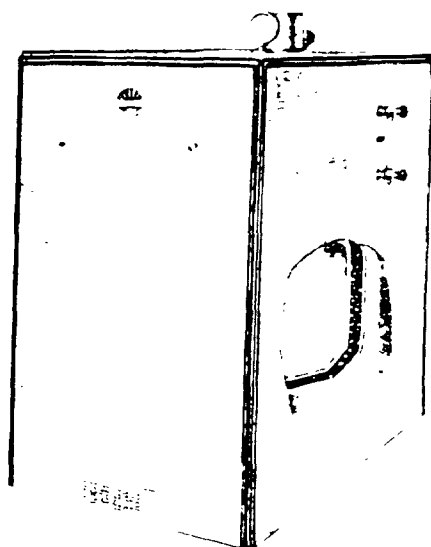
SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE
Boilers furnished with Boilers for Coal consist of Poker, Sizer, Scraper, and Flue Brush. If omitted deduct \$1.00

KEWANEE INDIRECT HOT WATER HEATING COILS

For STORAGE TANK Operation						For INSTANTANEOUS Flow					
Size	Weight	Recommended	Trade Price	Weight	Price	Size	Weight	Recommended	Trade Price	Weight	Price
DB-34	65	40	\$2.00	DB-34	\$2.00	DB-34	65	40	\$2.00	DB-34	\$2.00
DB-35	95	60	\$3.00	DB-35	\$3.00	DB-35	95	60	\$3.00	DB-35	\$3.00
DB-36	110	65	\$5.00	DB-36	\$5.00	DB-36	110	65	\$5.00	DB-36	\$5.00
DB-37	170	100	\$10.00	DB-37	\$10.00	DB-37	170	100	\$10.00	DB-37	\$10.00
DB-38	200	120	\$12.00	DB-38	\$12.00	DB-38	200	120	\$12.00	DB-38	\$12.00

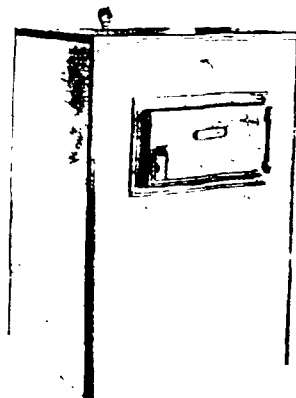
Kewanee Round Type "R" Steel Heating Boiler

15 lbs. Steam W. P.. 90 lbs. Water W. P.. 135 lbs. Hydrostatic Test:

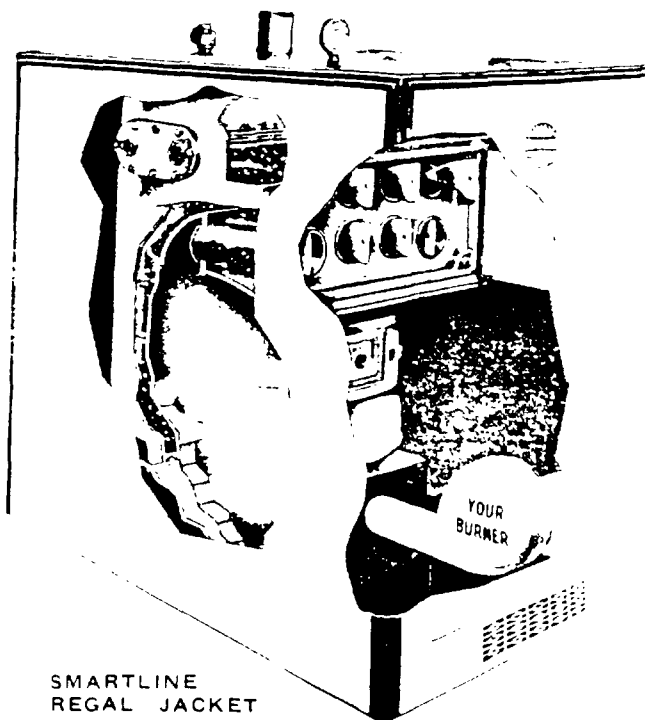


SMARTLINE
SQUARE-REGAL JACKET

PROVIDES COMPLETE ENCLOSURE
WITH ANY ROTARY BURNER. AND
WITH ANY FORESHORTENED GUN
TYPE BURNER



SMARTLINE
REX SQUARE JACKET
FOR ANY BURNER



SMARTLINE
REGAL JACKET

WITH EXTENSION PANEL PROVIDES COMPLETE
ENCLOSURE FOR ANY GUN TYPE BURNER

FOR OIL, GAS OR STOKER

OIL OR GAS 1734-1735-1736 SERIES						STOKER 0735-0736 SERIES									
TYPE		SIZES		TRADE PRICE		W. 21		DEDUCTIONS FOR OMITTING REGULAR PARTS				COMPLETE TRIMS			
		1734		1735		1736		1735		1736		1735		1736	
		400		540		680		400		540		400		540	
		1734		1735		1736		1735		1736		1735		1736	
		1734		1735		1736		1735		1736		1735		1736	
—UNJACKETED															
1734	400	640	400	640	\$ 93.	\$ 90.	800	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50	
1735	540	860	540	860	110	107	920	1.00	2.00	2.00	5.00	2.00	6.50	145	
1736	680	1090	680	1090	132	129	1150	1.00	2.00	2.00	5.00	2.00	7.00	175	
—WITH ROUND JACKET															
1735-J	540	860	540	860	\$125	\$122	1120	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$6.50	145	
1736-J	680	1090	680	1090	150	147	1345	1.00	2.00	2.00	5.00	2.00	7.00	175	
—WITH REX SQUARE JACKET															
1734-M	400	640	400	640	\$110	\$107	1000	1.00	2.00	\$2.00	\$5.00	\$2.00	\$3.50	50	
1735-M	540	860	540	860	130	127	1150	1.00	2.00	2.00	5.00	2.00	6.50	145	
1736-M	680	1090	680	1090	155	152	1370	1.00	2.00	2.00	5.00	2.00	7.00	175	
—WITH SQUARE-REGAL JACKET															
1734-MQ	400	640	400	640	\$120	\$117	1100	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50	
1735-MQ	540	860	540	860	140	137	1200	1.00	2.00	2.00	5.00	2.00	6.50	145	
1736-MQ	680	1090	680	1090	165	162	1450	1.00	2.00	2.00	5.00	2.00	7.00	175	
—WITH REGAL JACKET															
1734-MG	400	640	400	640	\$130	\$127	1200	\$1.00	\$2.00	\$2.00	\$5.00	\$2.00	\$3.50	50	
1735-MG	540	860	540	860	150	147	1300	1.00	2.00	2.00	5.00	2.00	6.50	145	
1736-MG	680	1090	680	1090	175	172	1500	1.00	2.00	2.00	5.00	2.00	7.00	175	

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

File Brush is only tool furnished with Boiler for Oil Gas or Stoker Equipment and Trimmings for all fuels given on page 7

TRADE PRICES

KEWANEE SQUARE TYPE "R" WELDED BOILER

BITUMINOUS COAL 742- 748 SERIES
ANTHRACITE COAL OR COKE 2742-2748 SERIES

CAPACITY	RECOMMENDED NET LOAD SQ. FT. HOR.	Boiler No.	TRADE PRICE to which Surcharge must be Added	Weight of boiler with surcharge	Boiler No.	TRADE PRICE to which Surcharge must be Added	Weight of boiler with surcharge	DEDUCTIONS FOR OMITTING
Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	COMPLETE TRIMMINGS CAST IRON BASE

—UNJACKETED

—JACKETED

1260	605	965	742	\$255.	\$252.	2150	742-J	\$290.	\$287.	2355	\$10.00	\$7.00	\$4.00	165	\$15.00	355
1600	770	1232	743	272.	269.	2360	743-J	309.	306.	2555	10.00	7.00	8.00	200	16.00	360
2160	1035	1656	745	300.	296.	2800	745-J	340.	336.	2975	11.00	7.00	9.00	215	17.00	370
2560	1230	1965	746	321.	317.	3050	746-J	362.	358.	3240	11.00	7.00	10.00	250	19.00	415
2850	1370	2192	747	335.	331.	3300	747-J	378.	374.	3500	11.00	7.00	11.00	285	20.00	440
3140	1515	2424	748	384.	380.	3550	748-J	429.	425.	3775	11.00	7.00	12.00	320	22.00	485

OIL OR GAS 1742-1748 SERIES
STOKER 0742-0748 SERIES

CAPACITY	RECOMMENDED NET LOAD SQ. FT. HOR.	Boiler No.	TRADE PRICE to which Surcharge must be Added	Weight of boiler with surcharge	Boiler No.	TRADE PRICE to which Surcharge must be Added	Weight of boiler with surcharge	DEDUCTIONS FOR OMITTING
Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	Steam Water	COMPLETE TRIMMINGS CAST IRON BASE

—UNJACKETED

—JACKETED

1340	645	1032	1742	\$226.	\$223.	1900	1742-J	\$261.	\$258.	2105	\$5.00	\$2.00	\$15.00	355
1790	860	1376	1743	246.	243.	2060	1743-J	283.	280.	2255	5.00	2.00	16.00	360
2350	1120	1808	1745	270.	266.	2500	1745-J	310.	306.	2675	6.00	2.00	17.00	370
3040	1500	2400	1746	300.	296.	2730	1746-J	341.	337.	2920	6.00	2.00	19.00	415
3460	1670	2672	1747	318.	314.	2920	1747-J	361.	357.	3120	6.00	2.00	20.00	440
3810	1845	2949	1748	350.	346.	3125	1748-J	395.	391.	3345	6.00	2.00	22.00	485

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

DEDUCTIONS Safety Valve, Boilers 742-J \$1.00 745-S \$2.00 Damper Regulator \$5.00
Water Gauge and Gauge Cocks \$2.00 Steam or Altitude Gauge \$2.00

TRIMMINGS—for Coal:

Steam Trimmings consist of Safety Valve, Steam Gauge, Damper Regulator, Water Gauge, Glass and Gauge Cocks

Hot Water Boiler trimmings consist of Combination Altitude Gauge and Thermometer, also Damper Regulator

—for Oil, Gas or Stoker:

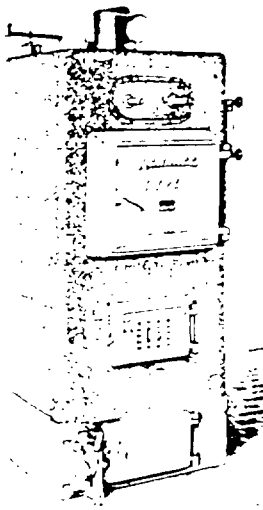
Steam Trimmings consist of Safety Valve, Steam Gauge, Water Gauge, Glass and Gauge Cocks.

Combination Altitude Gauge and Thermometer only trimming furnished with Hot Water Boilers.

LS— —for Coal: Tools furnished consist of Hoe, Poker, Soot Scraper and Flue Brush. If omitted deduct \$2.00

—for Oil, Gas or Stoker: A Flue Brush is only tool furnished.

All Jacketed Boilers have indestructible baked enamel steel jacket, lined with multi-ply improved asbestocel insulation. Knock-out discs are provided in Jackets opposite boiler openings. Additions for Extra Equipment listed on back page 8



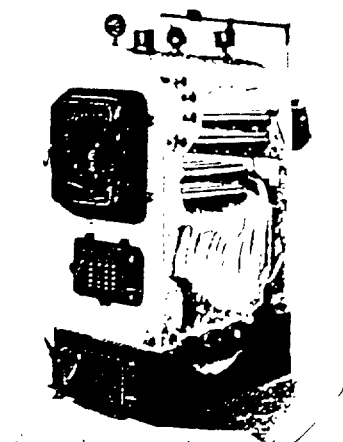
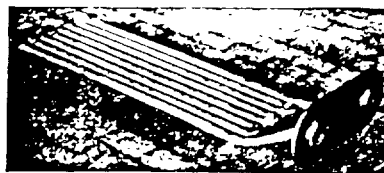
SQUARE TYPE "R" BOILERS FOR ALL FUELS

TWO-PASS TUBES AND CAST IRON BASE.
TWO-WAY SMOKEHOOD FOR BURNING COAL.

FOR OIL, GAS OR STOKER SPINNER BLADES INCLUDED.
STEEL BASE MAY BE SUBSTITUTED FOR CAST IRON.
TWO-WAY DRAFT ADJUSTER, REVERSIBLE FOR TOP OR
END OUTLET, HAS 1-5 16" DIAMETER STACK/STAP OPENING.
TAPPED OPENING EITHER SIDE OF SHELL CAN BE USED
FOR AQUASTAT.

KEWANEE INDIRECT HOT WATER HEATING COIL

Can be furnished on all Square
"R" Boilers at extra cost (see
page 8). All have top opening
and are tapped each side for Ex-
tra hot water heater.



TRADE PRICES

KEWANEE SQUARE "R" OIL OR GAS BOILER

83 "R" OIL OR GAS SERIES

RATED CAPACITY		TRADE PRICE		TRADE PRICE		TRADE PRICE	
to which Surcharge must be Added		to which Surcharge must be Added		to which Surcharge must be Added		to which Surcharge must be Added	
901	1441	901	1441	901	1441	901	1441
1105	1765	1105	1765	1105	1765	1105	1765
1326	2121	1326	2121	1326	2121	1326	2121
1513	2420	1513	2420	1513	2420	1513	2420
2091	3345	2091	3345	2091	3345	2091	3345
2363	3780	2363	3780	2363	3780	2363	3780
2652	4243	2652	4243	2652	4243	2652	4243
2924	4675	2924	4675	2924	4675	2924	4675
—UNJACKETED		—JACKETED		—REGAL JACKET			
83R1	\$161. \$158. 1105	83R1-J	\$198. \$195. 1300	83R1-G	\$218. \$215. 1500	\$5.00	\$2.00 \$7.00
83R2	182. 179. 1175	83R2-J	219. 216. 1350	83R2-G	241. 238. 1550	5.00	2.00 7.50
83R3	204. 201. 1320	83R3-J	250. 247. 1520	83R3-G	275. 272. 1520	5.00	2.00 8.00
83R4	231. 228. 1430	83R4-J	277. 274. 1650	83R4-G	305. 302. 1650	5.00	2.00 8.50
83R6	269. 265. 2030	83R6-J	315. 311. 2300			6.00	2.00 8.50
83R7	348. 344. 2430	83R7-J	394. 390. 2700			6.00	2.00 8.50
83R8	368. 364. 2610	83R8-J	414. 410. 2900			6.00	2.00 9.50
83R9	386. 382. 2990	83R9-J	432. 428. 3300			6.00	2.00 9.50

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

DEDUCTIONS Safety Valve, Boilers 83R1-83R4 \$1.00. Water Gauge and Gauge Cocks Boilers 83R1-83R9 \$2.00
Safety Valve, Boilers 83R6-83R9 \$2.00. Steam or Altitude Gauge Boilers 83R1-83R9 \$2.00

TRIMMINGS—for Oil or Gas:

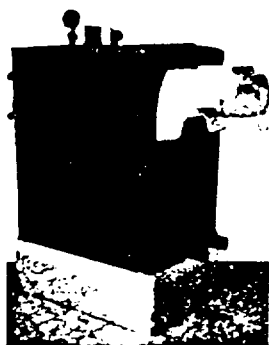
Steam Trimmings consist of Safety Valve, Steam Gauge, Water Gauge, Glass and Gauge Cocks
Combination Altitude Gauge and Thermometer only trimming furnished with Hot Water Boilers

TOOLS —for Oil or Gas:

A Flue Brush is only tool furnished

All Jacketed Boilers have indestructible baked enamel steel jacket, lined with multi-ply improved asbestocel insulation.
Knock-out discs are provided in Jackets opposite boiler openings. Additions for Extra Equipment listed on back page 3.

SQUARE "R" OIL OR GAS JACKETED STEEL BOILER 83 "R" SERIES



TWO-PASS TUBES AND STEEL BASE. SPINNER BLADES ARE INCLUDED.

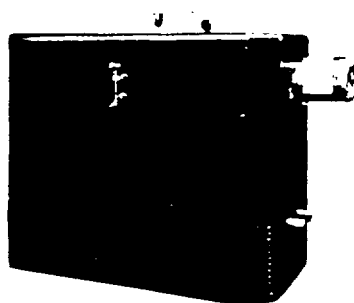
TWO-WAY DRAFT ADJUSTER, REVERSIBLE FOR TOP OR END OUTLET. HAS 15 16" DIAMETER STACK/STAT OPENING. TAPPED OPENING EITHER SIDE OF SHELL CAN BE USED FOR AQUASTAT

Models 83R1-83R4 also 742-743
Models 83R6-83R9 also 745-748

With Regal Jacket

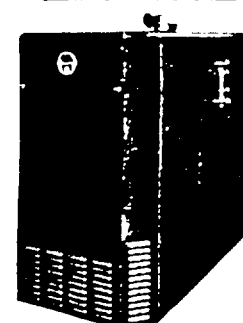
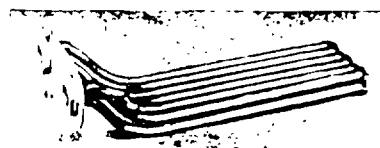
For complete enclosure with any burner.
For sizes 83R1 to 83R4

Photos of Front and Rear view unretouched



KEWANEE INDIRECT HOT WATER HEATING COIL

May be furnished in any quantity.
Boilers at extra cost will pump water through coil and into tapped hole on side of boiler water outlet



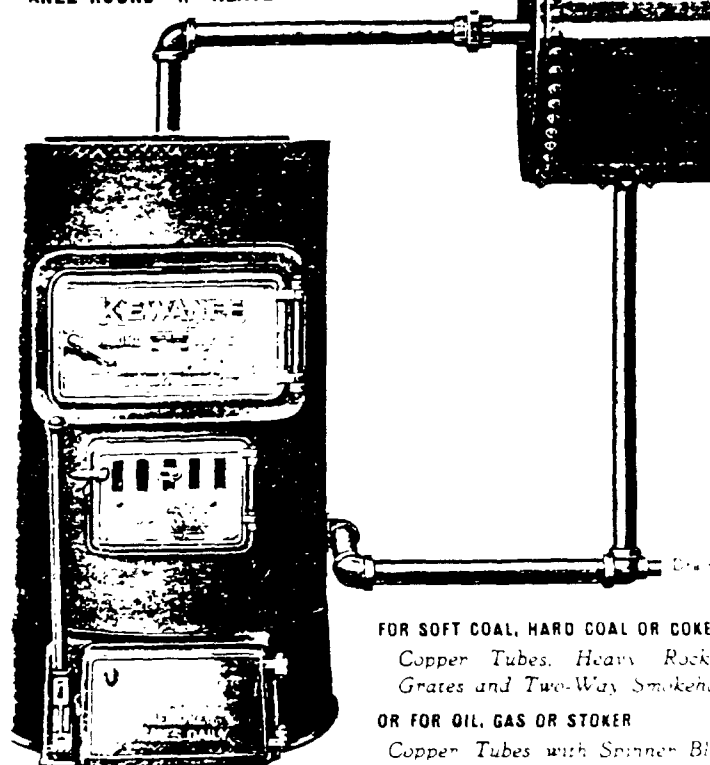
TRADE PRICES

KEWANEE ROUND TYPE "R" STEEL WATER HEATER

Water Working Pressure
90 lbs. per sq. in.

Hydrostatic Test, 135 lbs. per sq. in.

KEWANEE ROUND "R" HEATER



KEWANEE STEEL TANKS FOR STORAGE WATER

STEEL RIVETED TANKS AND WELDED TANKS

Working Pressures: STANDARD 75 lbs. sq. in. EXTRA HEAVY 100 lbs. sq. in.

CAPACITIES: Welded Tanks 66 gals. to 525 gals.
Riveted Tanks 66 gals. to 13,000 gals. and up.

For the best operation in practice the Storage Water Tank should have a capacity not less than the 3-hour capacity of the Heater

Prices on black Hot Water Storage Tanks, Riveted or Welded, and on Galvanized Tanks furnished on application.

FOR SOFT COAL, HARD COAL OR COKE
Copper Tubes, Heavy Rocking
Grates and Two-Way Smokehood
OR FOR OIL, GAS OR STOKER
Copper Tubes with Spinner Blades
Self-Actuated Draft Adjuster

HIGH EFFICIENCY and **HOT** WATER
FOR DOMESTIC SERVICE AND
LARGER STORAGE TANK SUPPLIES

THE KEWANEE ROUND "R" DIRECT
WATER HEATER and STORAGE TANK

KEWANEE ROUND "R" STEEL WATER HEATER

FOR BURNING COAL —WITH ROUND JACKET

Model	Capacity	Trade Price to which Surcharge must be Added	Weight with Surcharge	Dimensions for Shipping	Weight
735-HJ	700	\$181.	1230	33.50 75	145
736-HJ	800	201.	1495	4.50 100	155

—UNJACKETED

735-H	700	\$166.	1040	33.50 75	145
736-H	800	183.	1280	4.50 100	155

2735-HJ, 2736-HJ prices same as 735-HJ, 736-HJ

FOR OIL, GAS OR STOKER —WITH ROUND JACKET

735-HJ	750	\$173.	1110	33.50 75	145
736-HJ	900	193.	1345	4.50 100	155

—UNJACKETED

734-H	550	\$121.	800	33.50 50	145
735-H	750	158.	920	4.50 75	145
736-H	900	175.	1130	5.00 100	155

0735-HJ, 0736-HJ prices same as 1735-HJ, 1736-HJ

See page 7 for specifications of Equipment on Water Heaters for any fuel

This high quality all-steel equipment with copper fire tubes serves splendidly for volume heating and storage insuring continuous service of piping hot water. Capacities 550-900 gallons raised 100° in 3 hours.

735-H, 736-H heaters are for Bituminous Coal.
2735-H, 2736-H heaters are for Anthracite Coal or Coke.
1734-H, 1735-H, 1736-H heaters are for Oil or Gas.
0735-H, 0736-H heaters are for Stoker.

Round "R" Direct Water Heaters have copper tubes. No coil is furnished

SEE FIRST PAGE FOR SURCHARGE WHICH MUST ALWAYS BE ADDED TO TRADE PRICE.

— SPECIFICATIONS and MEASUREMENTS —

KEWANEE ROUND TYPE "R" DIRECT WATER HEATER KEWANEE ROUND TYPE "R" STEEL HEATING BOILER

With Hot Water Heating Coil

For Heating with—	Anthracite Coal Bituminous Coal		Oil, Gas, or Stoker		
Boiler or Heater Number	735	736	1734	1735	1736
	2735	2736	0734	0735	0736
Boiler Rating—Steam	sq. ft. 410	550	400	540	680
—Water	sq. ft. 660	880	640	860	1090
Heater Rating—Gallons per 3 hrs. 100° raise	700	800	550	750	900
Heating Surface	sq. ft. 32	40	24	32	40
Grate Area	sq. ft. 2.9	3.7			
Furnace Volume	cu. ft.		3.7	5.4	7.4
Boiler or Heater Shell Diameter	in. 27 1/2	30 1/2	23 1/2	27 1/2	30 1/2
Boiler or Heater Shell Height	in. 43	47	42 1/2	43	47
Inside Diameter	in. 23	26	20	23	26
Smoke Outlet Diameter	in. 9	9	7	9	9
Chimney Size	in. 8x12	8x12	8x8	8x12	8x12
Chimney Height	ft. 30	35	30	30	35
Flow Outlet Size	in. 4	4	4	4	4
Return Inlet Size	in. 4	4	4	4	4
Safety Valve Size	in. 1	1	1	1	1
Water Heater Pipe Connection	in. 1	1	1	1	1
A—Height Over All	in. 55 1/2	59 1/2	54 1/2	55 1/2	59 1/2
B—Base Diameter	in. 32 1/2	35	26 1/2	32 1/2	35
—Water Line	in. 44	46	44	44	46
D—Smoke Outlet Height, End	in. 42 1/2	44 1/2		42 1/2	44 1/2
E—Smoke Outlet Height, Top	in. 49	51	43 1/2	48	50
—Water Heater Connection from Floor	in. 32 1/2	34 1/2	42 1/2	44	46 1/2
G—Floor to Furnace Door Opening	in. 20	20 1/2		20	20 1/2
Clear Opening in Base, Front	in. 10x15 1/2	10x15 1/2	10 1/2x15 1/2	10x15 1/2	10x15 1/2
Clear Opening in Base, Rear	in. 8x10 1/2	8x10 1/2		8x10 1/2	8x10 1/2
Outside Surface to Cover, Unjacketed	sq. ft. 33	40	24	33	40
Shipping Weight, Unjacketed	lbs. 1040	1280	800	920	1130

* For Oil and Gas only

EQUIPMENT for Heater or Boiler—Burning Coal: Base assembled with ash door and rear pouch with primary draft damper; rocking grate, each bar removable; shaker arm handle; Fire and flue cleanout doors with frames; 2-Way smoke-nod assembly; 1/2-in. and choke dampers; cleanout cover plates; 1 1/2-in. washout plugs. And for Boiler, hot water coil.
—For Oil, Gas or Stoker: Base assembled, flue doors with frame; integral furnace door-frame is removable; has inspection shutter; a porthole window; Self-controlling draft adjuster; spinner blades; and cleanout cover plates; 1 1/2-in. washout plugs. And for Boiler, hot water coil.

TRIMMINGS for Steam Boiler—Burning Coal: Steam gauge, water gauge glass, chromium trimmings, two compression gauge cocks, safety valve, Air damper regulator, weight, rod and lever.

for Water Boiler—Burning Coal: Combination altitude gauge and Thermometer; Air damper regulator, weight, rod and lever.

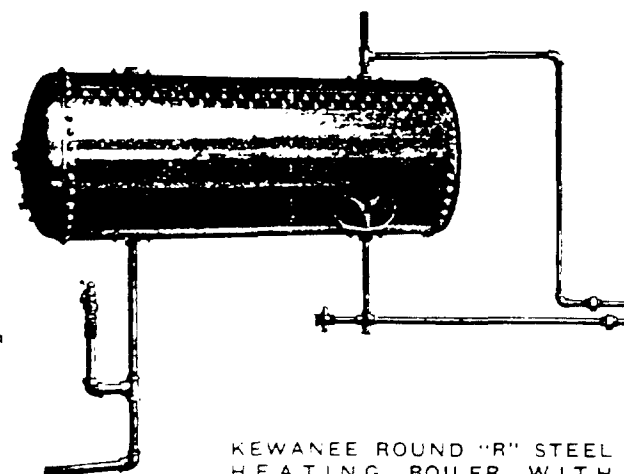
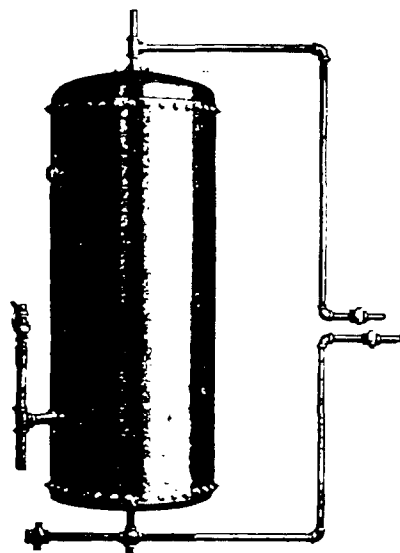
for Steam Boiler—Oil, Gas or Stoker: Steam gauge, water gauge glass, chromium trimmings, two compression gauge cocks, safety valve. The extra 1 1/2-in. tapping in top of Boiler may be used for oil burner control.

for Water Boiler—Oil, Gas or Stoker: Combination altitude gauge and Thermometer.

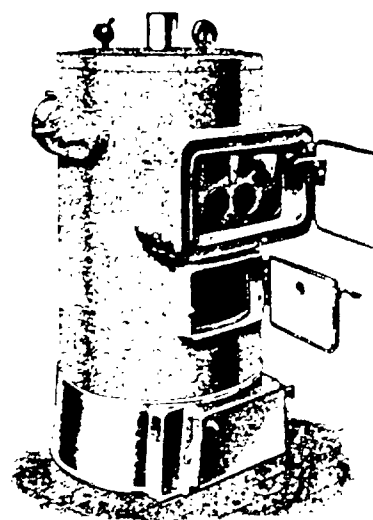
The extra Trimming furnished for Water Heaters is: Damper Regulator Rod.

TOOLS for Heater or Boiler—Burning Coal: Pick, Scoot Scraper and Flue Brush. —For Oil, Gas or Stoker: Flue Brush only.

TYPICAL PIPING CONNECTING VERTICAL OR HORIZONTAL TANK TO HOT WATER COIL ON ROUND "R" BOILER



KEWANEE ROUND "R" STEEL HEATING BOILER WITH KEWANEE COPPER COIL



FOR HOT WATER HEATING COIL SPECIFICATIONS AND PRICES SEE PAGE 2.

KEWANEE Indirect Hot Water Heating Coils in Square K Boilers

"R" Boiler ratings do not include allowance for heating domestic water by Indirect Coils. With STORAGE operation, allow 1 sq. ft. steam radiation for each gallon capacity of Coil. For INSTANTANEOUS flow, 4 sq. ft. per gal. if hot water demand is added to the heating load for more than 10 minutes in any hour.

TABLE OF COIL PRICES AND MAXIMUM SIZE WHICH CAN BE INSTALLED.

For STORAGE TANK Operation						For INSTANTANEOUS Flow					
Coil No and Size	RATED CAPACITY Gallons Heated 40° to 140° in 3 Hrs. In Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed	Coil No	RATED CAPACITY Gallons Heated 40°-140° in 1 Hr. Boiler Water		Surface Sq. Ft.	Number of Baths or Apart- ments	Trade Price Installed
	212°F	180°F					In 1 Hr.	In 1 Min.			
S6-24	90	55	3.0	1-3	\$23.80	DN1	185	3.1	12.0	1	\$54.60
S8-24	120	70	3.9	4	27.40						
D6-24	180	110	6.0	6	34.60						
D8-24	240	145	7.7	8	41.80						
S6-30	120	70	3.8	4	27.40	DN2	240	4.0	15.9	6	63.40
S8-30	160	95	5.0	5-6	32.20						
D6-30	240	145	7.6	8	41.80						
D8-30	320	190	9.9	8-11	50.60						
S6-36	150	90	4.6	5	31.00	DN3	295	4.9	19.5	12	72.20
S8-36	200	120	6.0	6-7	37.00						
D6-36	300	180	9.1	10	49.00						
D8-36	400	240	11.9	11-14	57.00						
S6-42	180	110	5.4	6	34.60	DN4	350	5.8	23.1	18	81.00
S8-42	240	145	7.0	8	41.80						
D6-42	360	215	10.7	12	53.80						
D8-42	480	290	14.0	16	63.40						
S6-48	210	125	6.2	7	38.20	DN7	400	6.7	26.7	20	89.00
S8-48	280	170	8.1	9-10	46.60						
D6-48	420	250	12.3	14	58.60						
D8-48	560	335	16.1	16-19	69.80						
S6-54	240	145	6.9	8	41.80	DN8	450	7.5	30.3	28	97.00
S8-54	320	190	9.1	10-11	50.60						
D6-54	480	290	13.9	16	63.40						
D8-54	640	385	18.2	19-21	76.20						
S6-60	270	160	7.7	9	45.40	DN9	510	8.5	33.9	34	106.60
S8-60	360	215	10.2	12	53.80						
D6-60	540	325	15.4	18	68.20						
D8-60	720	430	20.3	24	82.60						
SL6-24	90	55	3.0	1-3	\$23.80	TN-1	185	3.1	12.4	1	\$54.60
SL8-24	120	70	3.9	4	27.40	QN-1	240	4.0	15.9	6	63.40
DL6-24	180	110	6.0	6	34.60						
DL8-24	240	145	7.7	8	41.80						
SL6-30	120	70	3.8	4	27.40	TN-2	240	4.0	15.8	6	63.40
SL8-30	160	95	5.0	5-6	32.20	QN-2	310	5.2	20.5	12	74.60
DL6-30	240	145	7.6	8	41.80						
DL8-30	320	190	9.9	8-11	50.60						
SL6-36	150	90	4.6	5	31.00	TN-3	290	4.8	19.2	12	71.40
SL8-36	200	120	6.0	6-7	37.00	QN-3	375	6.3	25.0	20	85.00
DL6-36	300	180	9.1	10	49.00						
DL8-36	400	240	11.9	11-14	57.00						
SL6-42	180	110	5.4	6	34.60	TN-4	350	5.8	22.7	18	81.00
SL8-42	240	145	7.0	8	41.80	QN-4	445	7.4	29.6	28	96.20
DL6-42	360	215	10.7	12	53.80						
DL8-42	480	290	14.0	16	63.40						
SL6-48	210	125	6.2	7	38.20	TN-7	390	6.5	26.1	20	87.40
SL8-48	280	170	8.1	9-10	46.60	QN-7	510	8.5	34.2	34	106.60
DL6-48	420	250	12.3	14	58.60						
DL8-48	560	335	16.1	16-19	69.80						
SL6-54	240	145	6.9	8	41.80	TN-8	445	7.4	29.6	28	96.20
SL8-54	320	190	9.1	10-11	50.60	QN-8	580	9.7	38.8	40	117.80
DL6-54	480	290	13.9	16	63.40						
DL8-54	640	385	18.2	19-21	76.20						
SL6-60	270	160	7.7	9	45.40	TN-9	495	8.0	33.0	34	104.20
SL8-60	360	215	10.2	12	53.80	QN-9	650	10.8	43.4	48	129.00
DL6-60	540	325	15.4	18	68.20						
DL8-60	720	430	20.3	24	82.60						

1 gal. 10-12 gal. Over 300 gal. 21-24 gal.
In storage tank, the maximum lengths listed are for the coil in each boiler. The coil capacity is not water capacity. Coils are interchangeable in boilers of same Series only.

25-36 gal.

Additions for Extras—

ly When Furnished With Type "R" Boilers

ng these prices do not make any deductions for
ng parts usually furnished as regular equipment

Boilers Number	734-735-736 742	743-745-746 747-748
	83R1-83R2 83R3	83R4-83R6 83R7-83R8-83R9
Vapor Damper Regulator	\$20.00	\$20.00
Sleeves, per Inch	1.25	1.25
Tapped Openings, per Inch	1.25	1.25
Observation Doors	6.00	6.00
Garbage Incinerator, Front		40.00

