



RADIATOR HEATING EQUIPMENT

PRICE BOOK RH-10

APRIL 10, 1950

NOTICE

*The Trade Prices shown herein do not include
freight or cartage*

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AMERICAN & Standard
RADIATOR & Sanitary

CORPORATION
Pittsburgh 30, Pa.

PLAINTIFF'S
EXHIBIT

AS-1-780

Illustrations and descriptions of Plate Numbers listed in the price book will be found in the Radiator Heating Section of the "AMERICAN-STANDARD" GENERAL CATALOGUE. Items illustrated in the GENERAL CATALOGUE and not included in this price book are discontinued. Items added since the issuance of the last Catalogue Revision are described for identification.

PRICES

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

No obligation is assumed by this Corporation to sell to any one holding this book any of the items listed herein at the prices stated.

A minimum invoice charge of forty-five cents (.45) will apply on any item including repair parts.

TAXES

To the prices and terms quoted add any Manufacturers' or Sales Tax payable on the transaction under any effective statute.

TRANSPORTATION CLAIMS

The responsibility of this Corporation ceases upon delivery of goods in good order to transportation companies, and all goods are shipped at consignees' risk.

ORDERS

The Corporation shall not be liable for any delay or failure in the delivery or shipment of products or for any damages suffered by reason of such delay or failure, when such delay or failure is, directly or indirectly, due to fire, flood, accidents, riots, war, embargo, labor stoppages, inadequate transportation facilities, shortage of material or supplies, regulation by Governmental authority or any cause or causes beyond this Corporation's control.

GUARANTEE

We guarantee goods manufactured by this Corporation to the extent that we shall furnish by freight new articles or parts for any articles or parts of such goods found defective in workmanship or material within one year after installation.

In all claims, no labor or other consequential damages shall be allowed.

Goods of other manufacturers sold by us are not guaranteed by this Corporation.

CLAIMS

No claims under the above guarantee, or for variances from or shortages in orders will be allowed, unless presented within sixty (60) days after receipt of goods.

SPECIAL PRODUCTS

Items of special nature or products requiring special manufacture or supervision are not subject to change or cancellation after production is started.

RETURNED GOODS

Good material of standard manufacture must not be returned for credit without first securing written permission, and when so returned will be subject to a deduction of 10 percent (10%) for rehandling, and all transportation charges, including freight and cartage, will be paid by shipper.

Materials made on special order are not subject to return.

SHIPPING WEIGHTS

Weights are for customers' convenience only, are approximate and not guaranteed.

BOILER RATINGS

The ratings ("Installed Radiation sq. ft.") of Boilers represent the maximum net loads (240 Btu per sq. ft. steam and 150 Btu per sq. ft. hot water) that may be connected to the boilers. Allowances have been made in these ratings for normal piping (covered) and pick-up loads and for heating domestic hot water under the following conditions:

It is not necessary to increase the boiler size for domestic hot water supply when not more than two bathrooms are to be served or if the use of domestic hot water does not exceed seventy-five gallons in twenty-four hours.

Sufficient radiation must be installed for the requirements of the building.

In order to select the proper size boiler divide the heat loss of the building by 240 Btu for steam boilers or 150 Btu for hot water boilers. Example: Assume the heat loss of the building to be 60,000 Btu per hour. For a steam boiler divide 60,000 by 240, which requires a 250 sq. ft. boiler. For a hot water boiler divide 60,000 by 150, which requires a 400 sq. ft. boiler. This formula applies to the boiler, regardless of the type of radiators or convectors, or the water temperature used.

See "Current Line" Supplement, dated June 1, 1948, to page A126 of the "AMERICAN-STANDARD" GENERAL CATALOGUE for determining the size of radiators and convectors for hot water systems.

HAND FIRED BOILERS

The ratings ("Installed Radiation sq. ft.") are based on the use of stove or nut size bituminous coal, anthracite coal or coke with 13,000 Btu per pound heat value. See table on page 4 for selecting proper size boiler when using coal with less than 13,000 Btu per pound.

When more than two bathrooms are to be supplied with domestic hot water or when the demand for domestic hot water exceeds seventy-five gallons in twenty-four hours increase the boiler size one-half sq. ft. steam or four-fifths sq. ft. water for each gallon of storage tank capacity.

OIL FIRED BOILERS

The firing rates—gallons per hour—are based on the use of oil having 140,000 Btu per gallon heat value, and with 10% CO₂ in the flue gas.

When more than two bathrooms are to be supplied with domestic hot water or when the demand for domestic hot water exceeds seventy-five gallons in twenty-four hours increase the boiler size one-half sq. ft. steam or four-fifths sq. ft. water for each gallon of storage tank capacity.

When Biltin Tankless Heater is used increase the boiler size fifty sq. ft. steam or eighty sq. ft. water for each bathroom in excess of two.

STOKER FIRED BOILERS

The firing rates—pounds per hour—are based on the use of coal having 13,000 Btu per pound heat value.

When more than two bathrooms are to be supplied with domestic hot water or when the demand for domestic hot water exceeds seventy-five gallons in twenty-four hours increase the boiler size one-half sq. ft. steam or four-fifths sq. ft. water for each gallon of storage tank capacity.

GAS FIRED BOILERS

The Output Ratings are approved by the American Gas Association.

Ratings shown are for installations at sea level and at elevations up to 2,000 feet. For ratings from 2,000 feet to 5,200 feet and above, refer to current literature.

Ratings

AMERICAN-Standard

HEATING EQUIPMENT

Ratings

WHEN PIPING LOSS IS NEGLIGIBLE

The ratings ("Installed Radiation sq. ft.") of Boilers may be increased by the percentages shown below when the piping loss of the installation is negligible.

Ratings "Installed Radiation sq. ft."		Increase Ratings by
Steam	Water	
up to 250	up to 400	30%
251- 500	401- 800	28%
501-1000	801-1600	24%
1001-1500	1601-2400	21%
1501-2000	2401-3200	18%
2001-3000	3201-4800	15%
3001-4000	4801-6400	13%
over 4000	over 6400	12%

WHERE COAL HAS LESS THAN 13,000 BTU CONTENT

When selecting Hand Fired Boilers for burning coal of lower heating value than 13,000 Btu per pound the following correction factors should be used. Multiply the net load by the proper factor and select the boiler with the corresponding rating ("Installed Radiation sq. ft.").

Heating Value of Coal	Correction Factor
13,000	1.00
12,500	1.04
12,000	1.08
11,500	1.13
11,000	1.18
10,500	1.24
10,000	1.30
9,500	1.37
9,000	1.44

BILTIN TACO WATER HEATERS

All tank type Biltin Taco Water Heaters listed herein are rated on the basis of raising the temperature of the domestic hot water 100°F. in three hours with a minimum Boiler water temperature of 180°F. on automatically fired boilers and 212°F. on hand fired Boilers.

All tankless type Biltin Taco Water Heaters listed herein are rated in gallons per minute on the basis of raising the temperature of the domestic hot water 100°F. with a minimum Boiler water temperature of 180°F. on oil fired Boilers. The maintaining of 180°F. Boiler water temperature with rated flow through a tankless type Biltin Taco Water Heater is dependent on the oil firing rate for the Boiler.

In those areas where excessive lime exists in the water, use of Biltin Taco Tankless Type Water Heater is not recommended except when provision is made for regularly cleaning the heater. Use of Tank Type Heater is recommended in hard water areas.

HAND FIRED BOILERS**ARCOLINER BOILER—(Dry Base) (Jacketed)**

Catalogue Page A1-2

STEAM (Arranged for but less Biltin Taco Tank Type Water Heater)					WATER			
Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight	▲ Gross Output MBH	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight
S-153-D	180	\$177.00	772	102	W-153-D	290	\$173.00	768
S-154-D	270	206.00	930	151	W-154-D	430	202.00	926
S-155-D	370	238.00	1097	203	W-155-D	590	234.00	1093

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above	
Biltin Taco Tank Type Heater.....	701	60	\$6.70	For STEAM Boilers
Biltin Taco Tank Type Heater.....	702	40	5.55	For STEAM Boilers

THESE HEATERS ARE NOT RECOMMENDED FOR HAND FIRED WATER BOILERS.

SEVERN BOILER (Jacketed)

Catalogue Page A3-4

STEAM (Arranged for but less Biltin Taco Tank Type Water Heater)					WATER			
Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight	▲ Gross Output MBH	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight
S-17	350	\$230.00	1250	193	W-17	560	\$226.00	1248
S-21	450	261.00	1427	243	W-21	720	257.00	1424
S-25	550	300.00	1532	291	W-25	880	296.00	1529
S-29	630	331.00	1704	328	W-29	1010	327.00	1701
S-33	710	361.00	1815	364	W-33	1140	357.00	1812
S-37	780	393.00	1983	395	W-37	1250	389.00	1980

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above	
Biltin Taco Tank Type Heater.....	701	60	\$6.70	For STEAM Boilers.
Biltin Taco Tank Type Heater.....	702	40	5.55	For STEAM Boilers.
Biltin Taco Tank Type Heater.....	703	100	7.60	For STEAM Boilers.

THESE HEATERS ARE NOT RECOMMENDED FOR HAND FIRED WATER BOILERS.

 ▲ See pages 3 and 4 for complete information on Ratings.
 See page 26 for discount on Boiler Repairs.

Hand Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam

HAND FIRED BOILERS

REDFLASH BOILERS (Jacketed and Unjacketed)

Catalogue Page A5-9

STEAM			STEAM			
Boiler Number	▲ Installed Radiation sq. ft.	▲ Gross Output MBH	Unjacketed		Jacketed	
			Trade Prices	Approximate Shipping Weight	Trade Prices	Approximate Shipping Weight
2-S-6	770	390	\$ 361.00	1841	\$ 397.00	1966
2-S-7	940	464	410.00	2126	449.00	2260
2-S-8	1110	535	452.00	2294	494.00	2440
2-S-9	1280	605	495.00	2545	540.00	2711
2-S-10	1450	675	539.00	2741	587.00	2919
2-S-11	1620	743	583.00	3003	634.00	3197
2-S-12	1790	811	626.00	3170	680.00	3372
3-S-6	1500	695	551.00	3193	595.00	3377
3-S-7	1800	814	628.00	3625	676.00	3832
3-S-8	2100	932	704.00	4035	756.00	4240
3-S-9	2400	1046	779.00	4450	835.00	4673
3-S-10	2700	1156	840.00	4865	900.00	5113
3-S-11	3000	1263	931.00	5318	995.00	5589
3-S-12	3300	1357	1008.00	5749	1076.00	6044
3-S-13	3600	1469	1085.00	6168	1157.00	6477
4-S-7	3000	1263	929.00	4989	996.00	5227
4-S-8	3575	1460	1081.00	5585	1156.00	5842
4-S-9	4150	1647	1210.00	6150	1293.00	6429
4-S-10	4725	1826	1332.00	6727	1423.00	7031
4-S-11	5300	1997	1423.00	7366	1522.00	7691
4-S-12	5875	2162	1524.00	7954	1631.00	8299
4-S-13	6450	2321	1613.00	8552	1728.00	8931
5-S-8	5000	1908	1390.00	7915	1488.00	8242
5-S-9	5700	2114	1495.00	8791	1605.00	9147
5-S-10	6400	2307	1607.00	9657	1729.00	10049
5-S-11	7100	2496	1727.00	10539	1861.00	10937
5-S-12	7800	2684	1854.00	11492	2000.00	11920
5-S-13	8500	2874	1982.00	12371	2140.00	12829
5-S-14	9200	3091	2182.00	13135	2352.00	13627
5-S-15	9900	3326	2415.00	14015	2597.00	14535

NOTE: When specified Nos. 3, 4 and 5 Redflash Boilers will be supplied with special Grate Bar Equipment for burning buckwheat coal at no additional charge.

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

Water

AMERICAN-Standard HEATING EQUIPMENT

Hand Fired

HAND FIRED BOILERS REDFLASH BOILERS (Jacketed and Unjacketed)

Catalogue Page A5-9

WATER

WATER

Boiler Number	▲ Installed Radiation sq. ft.	▲ Gross Output MBH	Unjacketed		Jacketed	
			Trade Prices	Approximate Shipping Weight	Trade Prices	Approximate Shipping Weight
2-W-6	1230	390	\$ 355.00	1835	\$ 391.00	1960
2-W-7	1505	464	404.00	2120	443.00	2254
2-W-8	1775	535	446.00	2288	488.00	2434
2-W-9	2050	605	489.00	2538	534.00	2704
2-W-10	2320	675	533.00	2734	581.00	2912
2-W-11	2590	743	577.00	2996	628.00	3190
2-W-12	2860	811	620.00	3163	674.00	3365
3-W-6	2400	695	540.00	3178	584.00	3362
3-W-7	2880	814	617.00	3610	665.00	3817
3-W-8	3360	932	693.00	4020	745.00	4225
3-W-9	3840	1046	768.00	4435	824.00	4658
3-W-10	4320	1156	829.00	4850	889.00	5098
3-W-11	4800	1263	920.00	5303	984.00	5574
3-W-12	5280	1367	997.00	5734	1065.00	6029
3-W-13	5760	1469	1074.00	6153	1146.00	6462
4-W-7	4800	1263	912.00	4974	979.00	5212
4-W-8	5720	1460	1064.00	5570	1139.00	5827
4-W-9	6640	1647	1193.00	6135	1276.00	6414
4-W-10	7560	1826	1315.00	6712	1406.00	7016
4-W-11	8480	1997	1406.00	7351	1505.00	7676
4-W-12	9400	2162	1507.00	7939	1614.00	8284
4-W-13	10320	2321	1596.00	8537	1711.00	8916
5-W-8	8000	1908	1366.00	7900	1464.00	8227
5-W-9	9120	2114	1471.00	8776	1581.00	9132
5-W-10	10240	2307	1583.00	9642	1705.00	10034
5-W-11	11360	2496	1703.00	10524	1837.00	10922
5-W-12	12480	2684	1830.00	11458	1976.00	11886
5-W-13	13600	2874	1958.00	12337	2116.00	12795
5-W-14	14720	3091	2158.00	13101	2328.00	13593
5-W-15	15840	3326	2391.00	13979	2573.00	14499

NOTE: When specified Nos. 3, 4 and 5 Redflash Boilers will be supplied with special Grate Bar Equipment for burning buckwheat coal at no additional charge.

▲ See pages 3 and 4 for complete information on Ratings.
 See page 26 for discount on Boiler Repairs.

Oil Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam and Water

OIL BURNING BOILERS

ARCOLINER OIL BOILER—(Wet Base) (Jacketed)

Catalogue Page A19-20

STEAM (Arranged for but less Biltin Taco No. 701 or No. 703 Water Heater) WATER

Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approximate Shipping Weight	Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approximate Shipping Weight
S-O-153	260	\$156.00	728	97	1.0	W-O-153	420	\$152.00	726
S-O-154	360	187.00	894	132	1.3	W-O-154	580	183.00	892
S-O-155	450	218.00	1065	164	1.5	W-O-155	720	214.00	1062
S-O-156	520	241.00	1218	188	1.8	W-O-156	835	237.00	1215

STEAM (Arranged for but less Biltin Taco No. 587 or No. 589 Water Heater) WATER

S-O-153-T	260	\$162.00	837	97	1.3	W-O-153-T	420	\$158.00	835
S-O-154-T	360	193.00	1003	132	1.3	W-O-154-T	580	189.00	1001
S-O-155-T	450	224.00	1171	164	1.5	W-O-155-T	720	220.00	1168
S-O-156-T	520	247.00	1320	188	1.8	W-O-156-T	835	243.00	1317

Boilers furnished with Flush Jacket. If Jacket extension is desired add \$18.50 to Trade Prices shown above. Jacket extension provides 20 1/4 in. enclosure in front for concealment of Burner and Controls. Approximate shipping weight 47 pounds.

●Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above for boilers as indicated. Cover Plate not furnished for WIDE BACK Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above	
Biltin Taco Tank Type Heater...	701	40	\$ 6.70	For REGULAR Boilers.
Biltin Taco Tank Type Heater...	703	66	7.60	For 5 and 6 section REGULAR WATER Boilers only.
Biltin Taco Tank Type Heater...	587	85	16.60	For WIDE BACK Boilers only.
Biltin Taco Tankless Type Heater	589	3 per Min.	31.40	For WIDE BACK Boilers only.

If Taco Type "S" — size 1/2" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.

Tempering Valve only — Trade Prices:

With Type "S" — Non-Adjustable — size 1/2", \$8.60; size 3/4", \$9.20.
With Type "A" — Adjustable — size 1/2", 9.04; size 3/4", 9.68.

●If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Steam Boilers shown above.

●Following models of HEAT LIB-O-RATOR Molded Refractory Combustion Chambers are available for Arcoliner Oil Boilers (Wet Base), and will be furnished when ordered at additions to Trade Prices shown above for boilers as indicated.

For Arcoliner Boiler Number	HEAT LIB-O-RATOR Model No.	Max. Firing Rate Gal. per Hour	Trade Prices	Approximate Shipping Weight
153) 154)	No. 4	1.35	\$ 7.75	70
155	No. 5	1.65	10.00	73
156	No. 6	2.00	12.00	80

▲See pages 3 and 4 for complete information on Ratings.
See Page 26 for discount on Boiler Repairs.

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OIL BURNING BOILERS

SEVERN BOILER (Jacketed)—OIL BURNING
Catalogue Page A21-22

STEAM (Arranged for but less Biltin Taco No. 703 Water Heater)						WATER		
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices
S-17-O	400	\$207.00	1106	146	1.5	W-17-O	640	\$203.00
S-21-O	460	230.00	1254	168	1.7	W-21-O	740	226.00
S-25-O	520	251.00	1342	188	1.9	W-25-O	830	247.00
S-29-O	600	277.00	1482	216	2.2	W-29-O	960	273.00
S-33-O	690	310.00	1564	247	2.5	W-33-O	1100	306.00
S-37-O	780	347.00	1740	278	2.8	W-37-O	1250	343.00
								1104
								1251
								1339
								1479
								1561
								1737

STEAM (Arranged for but less Biltin Taco No. 594, No. 595 or No. 590 Water Heater)						WATER		
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices
S-17-O-T	400	\$213.00	1176	146	1.5	W-17-O-T	640	\$209.00
S-21-O-T	460	236.00	1324	168	1.7	W-21-O-T	740	232.00
S-25-O-T	520	257.00	1412	188	1.9	W-25-O-T	830	253.00
S-29-O-T	600	283.00	1552	216	2.2	W-29-O-T	960	279.00
S-33-O-T	690	316.00	1634	247	2.5	W-33-O-T	1100	312.00
S-37-O-T	780	353.00	1810	278	2.8	W-37-O-T	1250	349.00
								1174
								1321
								1409
								1549
								1631
								1807

Boilers furnished with FLUSH JACKET only.

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above. Cover Plate not furnished for "T" Type Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above	
Biltin Taco Tank Type Heater..	703	66	\$ 7.60	For REGULAR Boilers.
Biltin Taco Tank Type Heater..	594	100	25.25	For "T" TYPE Boilers.
Biltin Taco Tank Type Heater..	595	160	29.95	For "T" TYPE Boilers.
Biltin Taco Tankless Type Heater	590	3 1/4 per Min.	35.60	For "T" TYPE Boilers.

If Taco Type "S" — size 1/4" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.

Tempering Valve only — Trade Prices:

Type "S" — Non-Adjustable — size 1/4", \$ 8.60; size 1/2", \$ 9.20
Type "A" — Adjustable — size 1/4", 9.04; size 1/2", 9.68

● If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Severn Steam Boilers shown above. Molded Refractory Combustion Chambers for Severn Boilers: Trade Prices are same as "Deduct for Omission" Prices shown on page 13.

WATER TUBE BOILERS (Unjacketed)

No. 29 and No. 36
Catalogue Page A29-32

STEAM						WATER			
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight
S-0629	1200	\$444.00	2875	418	4.1	W-0629	1920	\$435.00	2868
S-0729	1450	508.00	3263	499	4.9	W-0729	2320	499.00	3256
S-0829	1680	572.00	3625	572	5.5	W-0829	2690	563.00	3616
S-0929	1900	636.00	4016	642	6.1	W-0929	3040	627.00	4007
S-1029	2130	700.00	4401	714	6.7	W-1029	3410	691.00	4392
S-1129	2370	764.00	4752	789	7.4	W-1129	3790	755.00	4743
S-0736	2350	754.00	4531	783	7.6	W-0736	3760	744.00	4519
S-0836	2800	851.00	5103	920	8.9	W-0836	4480	841.00	5091
S-0936	3250	948.00	5651	1056	10.2	W-0936	5200	938.00	5637
S-1036	3700	1045.00	6195	1189	11.4	W-1036	5920	1035.00	6181
S-1136	4150	1142.00	6763	1321	12.6	W-1136	6640	1132.00	6749
S-1236	4600	1239.00	7247	1451	13.8	W-1236	7360	1229.00	7232

▲ See pages 3 and 4 for complete information on Ratings.
See page 26 for discount on Boiler Repairs.

Oil Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam and Water

OIL BURNING BOILERS

OAKMONT OIL BOILER (Jacketed)

Catalogue Page A23-24

STEAM (Arranged for but less Biltin Taco Tank Type or Tankless Type Water Heater) WATER

Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight	▲ Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight
S-84	390	\$230.00	1152	143	1.4	W-84	625	\$226.00	1151
S-85	480	265.00	1308	175	1.7	W-85	770	261.00	1306
S-86	560	294.00	1388	202	2.0	W-86	895	290.00	1386
S-87	640	324.00	1543	230	2.3	W-87	1025	320.00	1541
S-88	730	359.00	1648	261	2.5	W-88	1170	355.00	1645
S-89	810	391.00	1806	288	2.8	W-89	1295	387.00	1803

Boilers furnished with EXTENDED JACKET only.

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above. Cover Plate not furnished for Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above
Biltin Taco Tank Type Heater.....	598	40	\$10.60
Biltin Taco Tank Type Heater.....	599	100	16.05
Biltin Taco Tankless Type Heater.....	583	3 per Min.	42.30
Biltin Taco Tankless Type Heater.....	585	3½ per Min.	49.65

If Taco Type "S" — size ¼" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.

Tempering Valve only — Trade Prices:

Type "S" — Non-Adjustable — size ¼", \$8.60; size ½", \$9.20.

Type "A" — Adjustable — size ¼", 9.04; size ½", 9.68.

● If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Oakmont Steam Boilers shown above. Molded Refractory Combustion Chambers for Oakmont Oil Boilers: Trade Prices are same as "Deduct for Omission" Prices shown on page 14.

EXBROOK BOILER (Jacketed)—OIL BURNING

Catalogue Page A25-26

STEAM (Not Adapted for Biltin Taco Water Heater) WATER

Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight	▲ Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight
S-207	775	\$378.00	2108	276	2.8	W-207	1240	\$373.00	2106
S-208	950	419.00	2241	335	3.4	W-208	1520	414.00	2239
S-209	1125	460.00	2493	393	3.9	W-209	1800	455.00	2491
S-2010	1300	501.00	2637	451	4.5	W-2010	2080	496.00	2654
S-2011	1475	542.00	2947	507	5.0	W-2011	2360	537.00	2944
S-2012	1650	583.00	3075	563	5.5	W-2012	2640	578.00	3072

STEAM (Arranged for but less Biltin Taco Water Heater) WATER

Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight	▲ Gross Output MBH	Firing Rate Gallons per Hr.	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approx. Shipping Weight
S-207-T	775	\$384.00	2167	276	2.8	W-207-T	1240	\$379.00	2165
S-208-T	950	425.00	2300	335	3.4	W-208-T	1520	420.00	2298
S-209-T	1125	466.00	2552	393	3.9	W-209-T	1800	461.00	2550
S-2010-T	1300	507.00	2716	451	4.5	W-2010-T	2080	502.00	2713
S-2011-T	1475	548.00	3006	507	5.0	W-2011-T	2360	543.00	3003
S-2012-T	1650	589.00	3134	563	5.5	W-2012-T	2640	584.00	3131

Boilers furnished with FLUSH JACKET only.

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above for "T" Type Boilers only. Cover Plate not furnished for "T" Type Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above
Biltin Taco Tank Type Heater.....	591	120	\$24.90
Biltin Taco Tank Type Heater.....	592	200	28.95
Biltin Taco Tankless Type Heater....	593	5½ per Min.	64.00

Taco Tempering Valve for Exbrook "T" Type Boilers—Trade Price:

Type "T" — Adjustable — size 1", \$17.01.

● If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Exbrook Steam Boilers shown above. Molded Refractory Combustion Chambers for Exbrook Boilers: Trade Prices are same as "Deduct for Omission" Prices shown on page 15.

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

RH-10

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OIL BURNING BOILERS
REDFLASH TYPE (Jacketed and Unjacketed)

Catalogue Page A27-28

STEAM				STEAM			
Boiler Number	▲ Installed Radiation sq. ft.	▲ Gross Output MBH	Firing Rate Gallons per Hour	Unjacketed		Jacketed	
				Trade Prices	Approximate Shipping Weight	Trade Prices	Approximate Shipping Weight
3-S-9-O	1650	563	5.7	\$ 710.00	3903	\$ 766.00	4126
3-S-10-O	1875	634	6.3	765.00	4274	825.00	4522
3-S-11-O	2100	705	6.9	849.00	4673	913.00	4944
3-S-12-O	2325	775	7.6	919.00	5039	987.00	5334
3-S-13-O	2550	845	8.2	989.00	5413	1061.00	5722
3-S-14-O	2775	912	8.8	1059.00	5775	1135.00	6111
4-S-10-O	2750	905	9.1	1209.00	5851	1300.00	6155
4-S-11-O	3100	1011	10.1	1288.00	6392	1387.00	6717
4-S-12-O	3450	1115	11.0	1377.00	6870	1484.00	7215
4-S-13-O	3800	1218	11.9	1455.00	7382	1570.00	7761
4-S-14-O	4150	1321	12.9	1537.00	7890	1660.00	8293
5-S-10-O	3900	1248	12.4	1450.00	8360	1572.00	8752
5-S-11-O	4400	1394	13.7	1556.00	9124	1690.00	9522
5-S-12-O	4900	1537	15.0	1668.00	9883	1814.00	10311
5-S-13-O	5400	1681	16.3	1781.00	10645	1939.00	11103
5-S-14-O	5900	1827	17.6	1962.00	11362	2132.00	11854
5-S-15-O	6400	1978	19.0	2175.00	12114	2357.00	12634
5-S-16-O	6900	2133	20.4	2306.00	12858	2500.00	13391
5-S-17-O	7400	2287	21.8	2437.00	13560	2643.00	14140
WATER				WATER			
3-W-9-O	2640	563	5.7	\$ 699.00	3894	\$ 755.00	4117
3-W-10-O	3000	634	6.3	754.00	4264	814.00	4512
3-W-11-O	3360	705	6.9	838.00	4663	902.00	4934
3-W-12-O	3720	775	7.6	908.00	5029	976.00	5324
3-W-13-O	4080	845	8.2	978.00	5403	1050.00	5712
3-W-14-O	4440	912	8.8	1048.00	5765	1124.00	6101
4-W-10-O	4400	905	9.1	1192.00	5841	1283.00	6145
4-W-11-O	4960	1011	10.1	1271.00	6382	1370.00	6707
4-W-12-O	5520	1115	11.0	1360.00	6860	1467.00	7205
4-W-13-O	6080	1218	11.9	1438.00	7372	1553.00	7751
4-W-14-O	6640	1321	12.9	1520.00	7880	1643.00	8283
5-W-10-O	6240	1248	12.4	1426.00	8351	1548.00	8743
5-W-11-O	7040	1394	13.7	1532.00	9115	1666.00	9513
5-W-12-O	7840	1537	15.0	1644.00	9868	1790.00	10296
5-W-13-O	8640	1681	16.3	1757.00	10630	1915.00	11088
5-W-14-O	9440	1827	17.6	1938.00	11347	2108.00	11839
5-W-15-O	10240	1978	19.0	2151.00	12096	2333.00	12616
5-W-16-O	11040	2133	20.4	2282.00	12840	2476.00	13373
5-W-17-O	11840	2287	21.8	2413.00	13542	2619.00	14122

▲ See pages 3 and 4 for complete information on Ratings.
See page 26 for discount on Boiler Repairs.

Oil Fired
Steam and Water

AMERICAN-Standard

HEATING EQUIPMENT

Arcoflame
Oil Heating Units

ARCOFLAME OIL HEATING UNITS

ARCOLINER (Wet Base) ARCOFLAME OIL HEATING UNITS
Catalogue Page A34

STEAM (Trade Prices with No. 701 Biltin Taco Tank Type Water Heater)						WATER			
Unit Number	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heater, No. 369 Low Water Cutoff; Combustion Chamber	▲ Gross Output MBH	● In-cluding Burner Model	Size of Nozzle Gallons per Hour	Unit Number	▲ In-stalled Radiation sq. ft.	● In-cluding Biltin Taco Heater; Com-bustion Chamber	Approx. Ship-ping Weight
S-O-153-B	260	\$303.55	97	MF-A	1.00	W-O-153-B	420	\$285.20	850
S-O-154-B	360	334.80	132	MF-A	1.25	W-O-154-B	580	316.45	1017
S-O-155-B	450	365.80	164	MF-A	1.50	W-O-155-B	720	347.45	1188
S-O-156-B	520	405.05	188	CF-7	1.75	W-O-156-B	835	386.70	1451

STEAM (Trade Prices with No. 589 Biltin Taco Tankless Type Water Heater)						WATER			
Unit Number	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heater, No. 369 Low Water Cutoff; Combustion Chamber	▲ Gross Output MBH	● In-cluding Burner Model	Size of Nozzle Gallons per Hour	Unit Number	▲ In-stalled Radiation sq. ft.	● In-cluding Biltin Taco Heater; Com-bustion Chamber	Approx. Ship-ping Weight
S-O-153-B-T	260	\$334.25	97	MF-A	1.25	W-O-153-B-T	420	\$315.90	953
S-O-154-B-T	360	365.50	132	MF-A	1.35	W-O-154-B-T	580	347.18	1140
S-O-155-B-T	450	396.50	164	MF-A	1.50	W-O-155-B-T	720	378.15	1288
S-O-156-B-T	520	435.75	188	CF-7	1.75	W-O-156-B-T	835	417.40	1547

Above Trade Prices include:

ALL UNITS

Arcoliner Oil Boiler (Wet Base) with FLUSH JACKET. If Jacket extension is desired, add \$18.50 to Trade Prices shown above. Jacket extension provides 20 1/4 in. enclosure in front for concealment of Burner and Controls. Approximate shipping weight 47 pounds.

● No. 701 Biltin Taco Tank Type Heater of 40 gal. capacity with Regular Boiler, or No. 589 Biltin Taco Tankless Type Heater of 3 gal. capacity with Wide Back Boiler.

Draft stabilizer.

Model MF-A or Model CF-7 Arcoflame Burner, flange mounted for front firing.

No. CA-701 Stack Control.

High temperature steel Heat Lib-O-Rator combustion chamber with 3, 4 and 5 section boiler-burner units. Heat Lib-O-Rator molded refractory combustion chamber with 6 section boiler-burner units.

STEAM ONLY

No. 11 Arcoflame Control Set (450-BA-1 Pressure Limit Control, 411-CH Thermostat) and Nozzle.

● No. 369 Low Water Cutoff. Deduct \$14.35 for omission of No. 369 Low Water Cutoff.

WATER ONLY

No. 13 Arcoflame Control Set (CA-655 Immersion Limit Control, 411-CH Thermostat) and Nozzle.

VAPOR INSTALLATIONS

When Arcoflame Heating Units are to be used on a Vapor System, add \$5.92 to Trade Price of the equivalent Steam boiler size required for substitution of No. 450-BC-1 Vapor Limit Control for No. 450-BA-1 Pressure Limit Control.

● Deduct for Omission of: No. 701 Biltin Taco Tank Type Water Heater.....\$ 6.70

● Following sizes of Biltin Taco Heaters are available at addition to or deduction from Trade Prices shown above for Boiler-Burner Units as indicated. Cover Plate not furnished for WIDE BACK Boiler-Burner Unit ordered less Taco Heater.

	Stock No.	Capacity Gallons	
Biltin Taco Tank Type Heater	703	66	Add: \$ 0.90 For 5 and 6 section WATER Boiler-Burner units only.
Biltin Taco Tank Type Heater	587	85	Deduct: 14.80 For WIDE BACK Boiler-Burner units only.
If Taco Type "S" — size 1/4" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.			
Tempering Valve only — Trade Prices:			
Type "S" — Non-Adjustable — size 1/4", \$8.60; size 1/2", \$9.20.			
Type "A" — Adjustable — size 1/4", 9.04; size 1/2", 9.68.			

OPTIONAL ARCOFLAME CONTROL SETS

When Arcoflame Control Sets other than those included in Trade Prices above are desired for ARCOLINER Oil Heating Units, the following added charges will be made:

	Add to Trade Prices above
Steam Control Set No. 12.....	\$ 8.25
Water Control Set No. 15.....	17.00
Water Control Set No. 16.....	25.40

See page 17 for description of Standard Arcoflame Control Sets.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

**Arcoflame
Oil Heating Units**

AMERICAN-Standard
HEATING EQUIPMENT

**Oil Fired
Steam and Water**

ARCOFLAME OIL HEATING UNITS

SEVERN ARCOFLAME OIL HEATING UNITS

Catalogue Page A35

STEAM (Trade Prices with No. 703 Biltin Taco Tank Type Water Heater) WATER

Unit Number Including Model CF-7 Burner	Installed Radiation sq. ft.	Including Biltin Taco Heater; No. 369 Low Water Cutoff; Combustion Chamber	Gross Output MBH	Size of Nozzle Gallons per Hour	Unit Number Including Model CF-7 Burner	Installed Radiation sq. ft.	Including Biltin Taco Heater and Combustion Chamber	Approximate Shipping Weight
S-17-OB	400	\$372.70	146	1.50	W-17-OB	640	\$354.35	1341
S-21-OB	460	395.70	168	1.75	W-21-OB	740	377.35	1489
S-25-OB	520	417.95	188	2.00	W-25-OB	830	399.60	1585
S-29-OB	600	443.95	216	2.25	W-29-OB	960	425.60	1725
S-33-OB	690	477.95	247	2.50	W-33-OB	1100	459.60	1810
S-37-OB	780	514.95	278	2.75	W-37-OB	1250	496.60	1986

STEAM (Trade Prices with No. 590 Biltin Taco Tankless Type Water Heater)					WATER			
S-17-OB-T	400	\$406.70	146	1.50	W-17-OB-T	640	\$388.35	1403
S-21-OB-T	460	429.70	168	1.75	W-21-OB-T	740	411.35	1551
S-25-OB-T	520	451.95	188	2.00	W-25-OB-T	830	433.60	1647
S-29-OB-T	600	477.95	216	2.25	W-29-OB-T	960	459.60	1787
S-33-OB-T	690	511.95	247	2.50	W-33-OB-T	1100	493.60	1872
S-37-OB-T	780	548.95	278	2.75	W-37-OB-T	1250	530.60	2048

Above Trade Prices include:

ALL UNITS

Severn Oil Boiler, with FLUSH JACKET only.
● No. 703 Biltin Taco Tank Type Heater of 66 gal. capacity with Regular Boiler, or No. 590 Biltin Taco Tankless Type Heater of 3 1/4 gal. capacity with "T" Type Boiler.

Draft stabilizer.

Model CF-7 Arcoflame Burner, flange mounted for front firing.

No. CA-701 Stack Control.

Heat Lib-O-Rator molded refractory combustion chamber, model number shown below.

STEAM ONLY

No. 11 Arcoflame Control Set (450-BA-1 Pressure Limit Control, 411-CH Thermostat) and Nozzle.
● No. 369 Low Water Cutoff. Deduct \$14.35 for omission of Low Water Cutoff.

WATER ONLY

No. 13 Arcoflame Control Set (CA-655 Immersion Limit Control, 411-CH Thermostat) and Nozzle.

VAPOR INSTALLATIONS

When Arcoflame Oil Heating Units are to be used on a Vapor System, add \$5.92 to Trade Price of the equivalent Steam boiler size required for substitution of No. 450-BC-1 Vapor Limit Control for No. 450-BA-1 Pressure Limit Control.

● Deduct for Omission of: No. 703 Biltin Taco Tank Type Water Heater.....\$ 7.60
● Following sizes of Biltin Taco Heaters are available at deductions from Trade Prices shown above for "T" Type Boiler-Burner Units only. Cover Plate not furnished for "T" Type Boiler-Burner Unit ordered less Taco Heater.

For "T" Type Units only	Stock No.	Capacity Gallons	Deduct from Trade Prices shown above
Biltin Taco Tank Type Heater.....	594	100	\$10.35
Biltin Taco Tank Type Heater.....	595	160	5.65
If Taco Type "S" — size 1/4" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.			
Tempering Valve only — Trade Prices:			
Type "S" — Non-Adjustable — size 1/4", \$8.60; size 1/2", \$9.20.			
Type "A" — Adjustable — size 1/4", 9.04; size 1/2", 9.68.			

OPTIONAL ARCOFLAME CONTROL SETS

When Arcoflame Control Sets other than those included in Trade Prices above are desired for Severn Oil Heating Units, the following added charges will be made:

Add to Trade Prices Above

Steam Control Set No. 12.....	\$ 8.25
Water Control Set No. 15.....	17.00
Water Control Set No. 16.....	25.40

See page 17 for description of Standard Arcoflame Control Sets

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

HEAT LIB-O-RATOR MOLDED REFRACTORY COMBUSTION CHAMBERS

Included in Trade Prices for Severn Oil Heating Units shown above. If not desired, following deductions from those Trade Prices may be made:

Arcoflame Oil Heating Unit	Heat Lib-O-Rator Model No. Included	Max. Firing Rate Gal. per Hour	Deduct for Omission	Approximate Shipping Weight
17, 21	No. 1	1.75	\$12.75	80
25, 29	No. 2	2.25	14.00	88
33, 37	No. 3	3.00	15.00	91

▲ See pages 3 and 4 for complete information on Ratings.
See page 26 for discount on Boiler Repairs.

Oil Fired
Steam and Water

AMERICAN-Standard
HEATING EQUIPMENT

Arcoflame
Oil Heating Units

ARCOFLAME OIL HEATING UNITS
OAKMONT ARCOFLAME OIL HEATING UNITS
Catalogue Page A36

STEAM (Trade Prices with No. 598 Biltin Taco Tank Type Water Heater)					WATER			
Unit Number Including Model CF-112 Burner	▲ Installed Radiation sq. ft.	● Including No. 598 Biltin Taco Heater; No. 369 Low Water Cutoff; Combustion Chamber	▲ Gross Output MBH	Size of Nozzle Gallons per Hour	Unit Number Including Model CF-112 Burner	▲ Installed Radiation sq. ft.	● Including No. 598 Biltin Taco Heater and Combustion Chamber	Approximate Shipping Weight
S-84-OB	390	\$396.45	143	1.50	W-84-OB	625	\$378.10	1379
S-85-OB	480	433.70	175	1.65	W-85-OB	770	415.35	1545
S-86-OB	560	463.95	202	2.00	W-86-OB	895	445.60	1633
S-87-OB	640	494.95	230	2.25	W-87-OB	1025	476.60	1791
S-88-OB	730	529.95	261	2.50	W-88-OB	1170	511.60	1896
S-89-OB	810	561.95	288	2.75	W-89-OB	1295	543.60	2054

Above Trade Prices include:

ALL UNITS

Boiler furnished with EXTENDED JACKET only.

- No. 598 Biltin Taco Heater of 40 gal. capacity. Deduct \$10.60 for omission.

Draft stabilizer.

Model CF-112 Arcoflame Burner, flange mounted for rear firing.

No. CA-701 Stack Control.

Heat Lib-O-Rator molded refractory combustion chamber, model number shown below.

STEAM ONLY

No. 11 Arcoflame Control Set (450-BA-1 Pressure Limit Control, 411-CH Thermostat) and Nozzle.

- No. 369 Low Water Cutoff. Deduct \$14.35 for omission of No. 369 Low Water Cutoff.

WATER ONLY

No. 13 Arcoflame Control Set (CA-655 Immersion Limit Control, 411-CH Thermostat) and Nozzle.

VAPOR INSTALLATIONS

When Arcoflame Oil Heating Units are to be used on a Vapor System, add \$5.92 to Trade Price of the equivalent Steam boiler size required for substitution of No. 450-BA-1 Vapor Limit Control for No. 450-BA-1 Pressure Limit Control.

● Following sizes of Biltin Taco Heaters are available at addition to Trade Prices shown above. Cover Plate not furnished for Boiler-Burner Unit ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices shown Above
Biltin Taco Tank Type Heater.....	599	100	\$ 5.45
Biltin Taco Tankless Type Heater.....	583	3 per Min.	31.70
Biltin Taco Tankless Type Heater.....	585	3 1/2 per Min.	39.05

If Taco Type "S" — size 1/2" — Non-Adjustable Tempering Valve with Quick Hook-up Fitting for use with Biltin Taco Tankless Type Heater is desired, add \$15.00 to Trade Prices shown above.

Tempering Valve only — Trade Prices:

Type "S" — Non-Adjustable — size 1/2", \$8.60; size 3/4", \$9.20.
Type "A" — Adjustable — size 1/2", 9.04; size 3/4", 9.68.

OPTIONAL ARCOFLAME CONTROL SETS

When Arcoflame Control Sets other than those included in Trade Prices above are desired for Oakmont Oil Heating Units, the following added charges will be made:

Add to Trade Prices Above

Steam Control Set No. 12.....	\$ 8.25
Water Control Set No. 15.....	17.00
Water Control Set No. 16.....	25.40

See page 17 for description of Standard Arcoflame Control Sets.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

HEAT LIB-O-RATOR MOLDED REFRACTORY COMBUSTION CHAMBERS

Included in Trade Prices for Oakmont Oil Heating Units shown above. If not desired, following deductions from those Trade Prices may be made:

Arcoflame Oil Heating Unit	Heat Lib-O-Rator Model No. Included	Max. Firing Rate Gal. per Hour	Deduct for Omission	Approximate Shipping Weight
84	No. 00	1.50	\$10.50	70
85	No. 1	1.75	12.75	80
86	No. 2	2.25	14.00	88
87	No. 3	3.00	15.00	91
88				
89				

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

**Arcoflame
Oil Heating Units**

AMERICAN-Standard
HEATING EQUIPMENT

**Oil Fired
Steam and Water**

ARCOFLAME OIL HEATING UNITS
EXBROOK ARCOFLAME OIL HEATING UNITS
Catalogue Page A37

STEAM (Trade Prices — Not Adapted for Biltin Taco Water Heater)					WATER			
Unit Number Including Model LF-E Burner	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heaters; No. 369 Low Water Cutoff; Combustion Chamber	▲ Gross Output MBH	Size of Nozzle Gallons per Hour	Unit Number Including Model LF-E Burner	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heaters; and Combustion Chamber	Approximate Shipping Weight
S-207-OB	775	\$556.35	276	3.0	W-207-OB	1240	\$537.00	2473
S-208-OB	950	597.35	335	3.5	W-208-OB	1520	578.00	2606
S-209-OB	1125	638.35	393	4.0	W-209-OB	1800	619.00	2858
S-210-OB	1300	680.35	451	4.5	W-210-OB	2080	661.00	3029
S-211-OB	1475	721.35	507	5.0	W-211-OB	2360	702.00	3319
S-212-OB	1650	762.35	563	5.5	W-212-OB	2640	743.00	3447

STEAM (Trade Prices with No. 591 Biltin Taco Tank Type Water Heater)					WATER			
Unit Number Including Model LF-E Burner	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heaters; No. 591 Low Water Cutoff; Combustion Chamber	▲ Gross Output MBH	Size of Nozzle Gallons per Hour	Unit Number Including Model LF-E Burner	▲ In-stalled Radiation sq. ft.	● Including Biltin Taco Heaters; and Combustion Chamber	Approximate Shipping Weight
S-207-OB-T	775	\$587.25	276	3.0	W-207-OB-T	1240	\$567.90	2532
S-208-OB-T	950	628.25	335	3.5	W-208-OB-T	1520	608.90	2665
S-209-OB-T	1125	669.25	393	4.0	W-209-OB-T	1800	649.90	2817
S-210-OB-T	1300	711.25	451	4.5	W-210-OB-T	2080	691.90	3068
S-211-OB-T	1475	752.25	507	5.0	W-211-OB-T	2360	732.90	3378
S-212-OB-T	1650	793.25	563	5.5	W-212-OB-T	2640	773.90	3506

★ Biltin Taco Water Heaters are available for use with "T" TYPE Boiler-Burner Units ONLY.

Above Trade Prices include:

ALL UNITS

Exbrook Oil Boiler with FLUSH JACKET only.

● No. 591 Biltin Taco Tank Type Heater of 120 gal. capacity with "T" Type boiler.

Draft stabilizer.

Model LF-E Arcoflame Burner, flange mounted for front firing.

No. CA-701 stack control.

Heat Lib-O-Rator molded refractory combustion chamber, model number shown below.

STEAM ONLY

No. 11 Arcoflame Control Set (450-BA-1 Pressure Limit Control, 411-CH Thermostat) and Nozzle.

● No. 369 Low Water Cutoff. Deduct \$14.35 for omission of Low Water Cutoff.

WATER ONLY

No. 13 Arcoflame Control Set (CA-655 Immersion Limit Control, 411-CH Thermostat) and Nozzle.

VAPOR INSTALLATIONS

When Arcoflame Oil Heating Units are to be used on a Vapor System, add \$5.92 to Trade Price of the equivalent Steam Boiler size required for substitution of No. 450-BA-1 Vapor Limit Control for No. 450-BA-1 Pressure Limit Control.

Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above for "T" Type Boiler-Burner Units only. Cover Plate not furnished for "T" Type Boiler-Burner Unit ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above
Biltin Taco Tank Type Heater	592	200	\$ 4.05
Biltin Taco Tankless Type Heater	593	5 1/2 per Min.	39.10
Taco Tempering Valve — for Exbrook "T" Type Boiler-Burner Units — Trade Price: Type "T" — Adjustable — size 1", \$17.01.			

OPTIONAL ARCOFLAME CONTROL SETS

When Arcoflame Control Sets other than those included in Trade Prices above are desired for Exbrook Oil Heating Units, the following added charges will be made:

Add to Trade Prices Above

Steam Control Set No. 12	\$ 8.25
Water Control Set No. 15	17.00
Water Control Set No. 16	25.40

See page 17 for description of Standard Arcoflame Control Sets.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

HEAT LIB-O-RATOR MOLDED REFRACTORY COMBUSTION CHAMBERS

Included in Trade Prices for Exbrook Oil Heating Units shown above. If not desired, following deductions from those Trade Prices may be made:

Arcoflame Oil Heating Unit	Heat Lib-O-Rator Model No. Included	Max. Firing Rate Gal. per Hour	Deduct for Omission	Approximate Shipping Weight
207, 208, 209	7	4.50	\$20.00	165
210, 211, 212	8	5.50	21.00	172

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

ARCOFLAME OIL BURNERS

Catalogue Page A38-43

Model Number	Complete with Detroit 411-CH Timed Cycling Thermostat, Limit Control and Nozzle for	Trade Price
C1 C2 C3 CF-7 CF-112	STEAM—HOT WATER—WARM AIR FOR USE ON 115 VOLT, 60 CYCLE CURRENT MAXIMUM CAPACITY 3.00 GALLONS OIL PER HOUR Approximate Shipping Weight 140 lbs.	\$131.00
Model Number	Complete with Detroit 411-CH Timed Cycling Thermostat, Limit Control and Nozzle for	Trade Price
L1 L3 LF-E	STEAM—HOT WATER—WARM AIR FOR USE ON 115 VOLT, 60 CYCLE CURRENT MAXIMUM CAPACITY 7.00 GALLONS OIL PER HOUR Approximate Shipping Weight 185 lbs.	\$144.00

IMPORTANT NOTICE

Trade Prices for Arcoflame Burners and Standard Control Sets as shown above, and as shown on page 17 include, in addition to the Nozzle and Controls as listed, a No. CA-701 Stack Control.

Arcoflame Burners will be sold only when ordered in combination with one of the Arcoflame Standard Control Sets, as shown on page 17. Additional Controls may be purchased separately at Trade Prices shown on page 18.

TWO-STAGE FUEL UNIT is available with Model "C" Arcoflame Oil Burner, and will be furnished when specified on order at \$4.00 Trade Price Extra.

VAPOR INSTALLATIONS: When No. 11 or No. 12 Arcoflame Control Sets are to be used on a Vapor System, add \$5.92 to Trade Price for substitution of No. 450-BC-1 Vapor Limit Control for No. 450-BP-1 Pressure Limit Control.

When desired 411-CDN Day-Night Thermostat and 772 Tem-Clock as a combination can be substituted for 411-CH Thermostat in any Arcoflame Standard Control Set, shown on page 17. For their substitution, add \$17.63 to Trade Price of Standard Control Set selected.

When Model "C" Arcoflame Burner is ordered with Nozzle Sizes of 1.25 and 1.35 Gallons per hour, Special Turbulator Attachment is furnished at no additional charge.

Arcoflame Oil Burners are approved by the National Board of Fire Underwriters and comply with Commercial Standards CS-75.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

**Arcoflame
Oil Burners**

AMERICAN-Standard
HEATING EQUIPMENT

**Arcoflame
Oil Burners**

ARCOFLAME OIL BURNERS

For Use on 115 Volt, 60 Cycle Current

Catalogue Page A38-43

COMPLETE WITH

STANDARD ARCOFLAME CONTROL SET AND NOZZLE*

(A Standard Arcoflame Control Set Must Be Purchased With Each Arcoflame Burner)

Arcoflame Standard Control Set Number	Contents of Arcoflame Standard Control Sets		Trade Prices Oil Burner Complete With Control Set and Nozzle	
	Stock Number	Instrument	Model C or CF	Model L or LF
No. 11—STEAM—Arcoflame Control Set. For Steam Boilers—WITHOUT Year-Round Domestic Hot Water.	411-CH 450-BA-1	Thermostat Pressure Limit Control	\$131.00	\$144.00
No. 12—STEAM—Arcoflame Control Set. For Steam Boilers—FOR Year-Round Do- mestic Hot Water (Taco Heater).	411-CH 450-BA-1 653	Thermostat Pressure Limit Control Immersion Operating Control	\$139.25	\$152.25
No. 13—WATER—Arcoflame Control Set. For Water Boilers—WITHOUT Year-Round Domestic Hot Water. Immersion Control for new boilers.	411-CH CA-655	Thermostat Immersion Limit Control	\$131.00	\$144.00
No. 14—WATER—Arcoflame Control Set. For Water Boilers—WITHOUT Year-Round Domestic Hot Water. Clamp-on Control for existing boilers.	411-CH 251-MJ	Thermostat Clamp-on Limit Control	\$131.00	\$144.00
No. 15—WATER—Arcoflame Control Set. For Water Boilers—FOR Year-Round Do- mestic Hot Water (Taco Heater), using Circulator.	411-CH CA-655 653 CA-295	Thermostat Immersion Limit Control Immersion Operating Control Relay Transformer	\$148.00	\$161.00
No. 16—WATER—Arcoflame Control Set. For Water Boilers—FOR Year-Round Do- mestic Hot Water (Tankless Taco Heater), using Circulator.	411-CH CA-655 653 CA-655-R CA-295	Thermostat Immersion Limit Control Immersion Operating Control Reverse Acting Low Limit Control Relay Transformer	\$156.40	\$169.40
No. 19—FURNACE—Arcoflame Control Set. For Warm Air Furnaces—WITHOUT Blower.	411-CH CA-805	Thermostat Air Limit Control	\$131.00	\$144.00
No. 20—FORCED WARM AIR—Arco- flame Control Set. For Forced Warm Air Units—WITH Blower Control.	411-CH CA-815	Thermostat Combination Blower and Limit Control	\$138.00	\$151.00

TWO STAGE FUEL UNIT is available with Model "C" Arcoflame Oil Burners, and will be furnished when specified on order at \$4.00 Trade Price Extra.

VAPOR INSTALLATIONS: When No. 11 or No. 12 Arcoflame Control Sets are to be used on a Vapor System, add \$5.92 to Trade Price for substitution of No. 450-BC-1 Vapor Limit Control for No. 450-BA-1 Pressure Limit Control.

LOW TEMPERATURE WATER INSTALLATIONS: When No. 13 Arcoflame Control Set is to be used on a Low Temperature Water System, a No. CA-655-1 Immersion Operating Control (Scale 60°-185°) will be substituted for No. CA-655 Control, if specified on order, at no additional charge.

IMPORTANT: When substitution of 411-CDN and 772 combination is made for 411-CH, such control sets will be designated by suffix "A" after control set number. For their substitution add \$17.63 to Trade Price of Standard Control Set selected.

*When ordering Arcoflame Oil Burner be sure to specify Nozzle size desired. Nozzles are shown on page 18.

IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

CONTROLS FOR ARCOFLAME OIL BURNERS

Trade Prices When Ordered Separately

Stock Number	Description Standard Controls—115 Volt, 60 Cycle Current	Trade Prices
CA-701	Detroit Stack Control (for intermittent ignition).....	\$27.00
CA-702	Detroit Stack Control (for constant ignition).....	25.05
411-CH	Detroit Timed Cycling Thermostat (Low Voltage) (Scale 40°-90°F.).....	8.55
*411-CDN	Detroit Day-Night Timed Cycling Thermostat (Scale 40°-90°F.).....	9.45
*772	Tem-Clock with Transformer.....	16.73
†411-TD	Detroit Night Turn-down Assembly.....	1.35
CA-401	Detroit Heat Compensated Thermostat (High Voltage) (Scale 45°-75°F. Standard; Scale 55°-85°F. available if specified on Order.).....	9.15
653	Detroit Immersion Operating Control (Low Voltage) (Scale 90°-210°F.) ..	8.25
CA-655	Detroit Immersion Limit Control (High Voltage) (Scale 115°-235°F.).....	8.40
CA-655-1	Detroit Immersion Limit Control (High Voltage) (Scale 60°-185°F.).....	8.40
CA-655-R	Detroit Reverse Acting Low Limit Control (High Voltage) (Scale 115°-235°F.).....	8.40
251-MJ	Detroit Clamp-on Limit Control (High Voltage) (Scale 100°-200°F.).....	7.43
450-BA-1	Detroit Pressure Boiler Limit Control (High Voltage) (Scale 0-10 Lbs.)...	7.58
450-BC-1	Detroit Vapor Boiler Limit Control (High Voltage) (Scale 0-3½ Lbs.).....	13.50
CA-805	Detroit Air Limit Control (High Voltage) (Scale 100°-300°) (Stop 250°F.)	7.35
CA-815	Detroit Combination Blower and Limit Control (High Voltage) (Scale Blower 75°-225°; Limit 100°-300°, Stop 200°F.).....	14.48
CA-810	Detroit Warm Air Blower Control (High Voltage) (Scale 75°-275°F.).....	8.40
CA-295	Detroit Relay Transformer.....	8.78

*411-CDN Thermostat used ONLY in combination with 772 Tem-Clock.
†411-TD used in combination with 411-CH Thermostat with addition of a No. 772 Tem-Clock.

IMPORTANT NOTE: Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

NOZZLES AND STRAINERS

For Models M and MF		For Models C and CF		For Models L and LF	
Gal. per Hr.	Spray Angle	Gal. per Hr.	Spray Angle	Gal. per Hr.	Spray Angle
1.00	90°	**1.25	80°	3.00	60°
1.25	90°	**1.35	80°	3.50	60°
1.35	90°	1.50	80°	4.00	60°
1.50	90°	1.65	80°	4.50	60°
1.65	90°	1.75	60°	5.00	60°
...	...	2.00	60°	5.50	60°
...	...	2.25	60°	6.00	60°
...	...	2.50	60°	6.50	60°
...	...	2.75	60°	7.00	60°
...	...	3.00	60°	...	...

**When these Nozzles are used in Models C and CF Arcoflame Burners, the Special Turbulator Attachment should be used. Special Turbulator Attachment furnished at no additional charge when these nozzles are supplied as part of one of the Standard Arcoflame Control Sets shown on page 17.

BOILERS FOR STOKER FIRING
SEVERN BOILER (Jacketed)

Catalogue Page A46-47

STEAM

(Arranged for but less Biltin Taco Tank Type Water Heater)

WATER

Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approximate Shipping Weight	▲ Gross Output MBH	Firing Rate Pounds per Hr.	Boiler Number	▲ Installed Radiation sq. ft.	● Trade Prices	Approximate Shipping Weight
SC-17	400	\$207.00	1053	146	16	WC-17	640	\$209.00	1051
SC-21	460	230.00	1209	168	18	WC-21	740	226.00	1206
SC-25	520	251.00	1292	188	21	WC-25	830	247.00	1289
SC-29	600	277.00	1446	216	24	WC-29	960	273.00	1443
SC-33	690	310.00	1531	247	27	WC-33	1100	306.00	1528
SC-37	780	347.00	1688	278	31	WC-37	1250	343.00	1685

STEAM

(Arranged for but less Biltin Taco Tank Type Water Heater)

WATER

SC-17-T	400	\$213.00	1107	146	16	WC-17-T	640	\$209.00	1105
SC-21-T	460	236.00	1263	168	18	WC-21-T	740	232.00	1260
SC-25-T	520	257.00	1346	188	21	WC-25-T	830	253.00	1343
SC-29-T	600	283.00	1500	216	24	WC-29-T	960	279.00	1487
SC-33-T	690	316.00	1585	247	27	WC-33-T	1100	312.00	1582
SC-37-T	780	353.00	1742	278	31	WC-37-T	1250	349.00	1739

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above. Cover Plate not furnished for "T" Type Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above	
Biltin Taco Tank Type Heater.....	703	66	\$ 7.60	For Regular Boilers.
Biltin Taco Tank Type Heater.....	594	100	25.25	For "T" TYPE Boilers.
Biltin Taco Tank Type Heater.....	595	160	29.95	For "T" TYPE Boilers.

Taco Tempering Valves — Trade Prices:

 Type "S" — Non-Adjustable — size $\frac{1}{4}$ ", \$8.60; size $\frac{1}{2}$ ", \$9.20.

 Type "A" — Adjustable — size $\frac{1}{4}$ ", 9.04; size $\frac{1}{2}$ ", 9.68.

● If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Severn Steam Boilers shown above.

▲ See pages 3 and 4 for complete information on Ratings.

See page 26 for discount on Boiler Repairs.

Stoker Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam and Water

BOILERS FOR STOKER FIRING

EXBROOK BOILER (Jacketed)

Catalogue Page A48-49

STEAM (Not Adapted for Biltin Taco Water Heater)						WATER			
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Pounds per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight
SC-207	775	\$378.00	2068	276	30	WC-207	1240	\$373.00	2066
SC-208	950	419.00	2201	335	36	WC-208	1520	414.00	2199
SC-209	1125	460.00	2492	393	43	WC-209	1800	455.00	2493
SC-2010	1300	501.00	2656	451	50	WC-2010	2080	496.00	2653
SC-2011	1475	542.00	2946	507	56	WC-2011	2360	537.00	2943
SC-2012	1650	583.00	3074	563	62	WC-2012	2640	578.00	3071

STEAM (Arranged for but less Biltin Taco Tank Type Water Heater)						WATER			
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Pounds per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight
SC-207-T	775	\$384.00	2127	276	30	WC-207-T	1240	\$379.00	2125
SC-208-T	950	425.00	2260	335	36	WC-208-T	1520	420.00	2258
SC-209-T	1125	466.00	2551	393	43	WC-209-T	1800	461.00	2549
SC-2010-T	1300	507.00	2715	451	50	WC-2010-T	2080	502.00	2712
SC-2011-T	1475	548.00	3005	507	56	WC-2011-T	2360	543.00	3002
SC-2012-T	1650	589.00	3133	563	62	WC-2012-T	2640	584.00	3130

● Following sizes of Biltin Taco Heaters are available at additions to Trade Prices shown above for "T" Type Boilers Only. Cover Plate not furnished for "T" Type Boiler ordered less Taco Heater.

	Stock No.	Capacity Gallons	Add to Trade Prices Shown Above
Biltin Taco Tank Type Heater.....	591	120	\$24.90
Biltin Taco Tank Type Heater.....	592	200	28.95

Taco Tempering Valve for Exbrook "T" Type Boilers—Trade Price:
Type "T" — Adjustable — size 1", \$17.01.

● If No. 369 Low Water Cutoff is desired, add \$14.35 to Trade Prices of Exbrook Steam Boilers shown above.

WATER TUBE BOILERS (Unjacketed)

No. 29 and No. 36

Catalogue Page A52, 54

STEAM						WATER			
Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight	Gross Output MBH	Firing Rate Pounds per Hr.	Boiler Number	Installed Radiation sq. ft.	Trade Prices	Approx. Shipping Weight
SC-29-T-5	930	\$380.00	2515	328	36	WC-29-T-5	1490	\$371.00	2508
SC-29-T-6	1200	444.00	2903	418	46	WC-29-T-6	1920	435.00	2896
SC-29-T-7	1450	508.00	3291	499	55	WC-29-T-7	2320	499.00	3284
SC-29-T-8	1680	572.00	3653	572	63	WC-29-T-8	2690	563.00	3644
SC-29-T-9	1900	636.00	4044	642	71	WC-29-T-9	3040	627.00	4035
SC-29-T-10	2130	700.00	4429	714	79	WC-29-T-10	3410	691.00	4420
SC-29-T-11	2370	764.00	4780	789	87	WC-29-T-11	3790	755.00	4771
SC-29-T-12	2600	828.00	5166	860	95	WC-29-T-12	4160	819.00	5157
SC-36-T-6	1900	657.00	3971	642	71	WC-36-T-6	3040	647.00	3960
SC-36-T-7	2350	754.00	4531	783	86	WC-36-T-7	3760	744.00	4519
SC-36-T-8	2800	851.00	5103	920	101	WC-36-T-8	4480	841.00	5091
SC-36-T-9	3250	948.00	5651	1056	116	WC-36-T-9	5200	938.00	5637
SC-36-T-10	3700	1045.00	6195	1189	131	WC-36-T-10	5920	1035.00	6181
SC-36-T-11	4150	1142.00	6763	1321	145	WC-36-T-11	6640	1132.00	6749
SC-36-T-12	4600	1239.00	7247	1451	160	WC-36-T-12	7360	1229.00	7232

▲ See pages 3 and 4 for complete information on Ratings.
See page 26 for discount on Boiler Repairs.

BOILERS FOR STOKER FIRING
REDFLASH TYPE (Jacketed and Unjacketed)
 Catalogue Page A50-51

STEAM				STEAM			
Boiler Number	▲ Installed Radiation sq. ft.	▲ Gross Output MBH	Firing Rate Pounds per Hour	Unjacketed		Jacketed	
				Trade Prices	Approximate Shipping Weight	Trade Prices	Approximate Shipping Weight
3-SC-9	1800	610	67	\$ 710.00	3966	\$ 766.00	4189
3-SC-10	2100	705	78	765.00	4337	825.00	4585
3-SC-11	2400	798	88	849.00	4736	913.00	5007
3-SC-12	2700	890	98	919.00	5106	987.00	5401
3-SC-13	3000	981	108	989.00	5480	1061.00	5789
3-SC-14	3300	1071	118	1059.00	5842	1135.00	6178
4-SC-10	3200	1041	115	1209.00	5866	1300.00	6170
4-SC-11	3600	1160	128	1288.00	6408	1387.00	6733
4-SC-12	4000	1278	141	1377.00	6909	1484.00	7254
4-SC-13	4400	1394	153	1455.00	7421	1570.00	7800
4-SC-14	4800	1509	166	1537.00	7929	1660.00	8332
5-SC-10	4500	1422	156	1450.00	8440	1572.00	8832
5-SC-11	5100	1595	175	1556.00	9204	1690.00	9602
5-SC-12	5700	1767	194	1668.00	9967	1814.00	10395
5-SC-13	6300	1947	214	1781.00	10729	1939.00	11187
5-SC-14	6900	2133	234	1962.00	11446	2132.00	11938
5-SC-15	7500	2318	255	2175.00	12198	2357.00	12718
5-SC-16	8100	2504	275	2306.00	12942	2500.00	13475
5-SC-17	8700	2689	296	2437.00	13644	2643.00	14224
WATER				WATER			
3-WC-9	2880	610	67	\$ 699.00	3957	\$ 755.00	4180
3-WC-10	3360	705	78	754.00	4327	814.00	4575
3-WC-11	3840	798	88	838.00	4726	902.00	4997
3-WC-12	4320	890	98	908.00	5096	976.00	5391
3-WC-13	4800	981	108	978.00	5470	1050.00	5779
3-WC-14	5280	1071	118	1048.00	5832	1124.00	6168
4-WC-10	5120	1041	115	1192.00	5856	1283.00	6160
4-WC-11	5760	1160	128	1271.00	6398	1370.00	6723
4-WC-12	6400	1278	141	1360.00	6899	1467.00	7244
4-WC-13	7040	1394	153	1438.00	7411	1553.00	7790
4-WC-14	7680	1509	166	1520.00	7919	1643.00	8322
5-WC-10	7200	1422	156	1426.00	8431	1548.00	8823
5-WC-11	8160	1595	175	1532.00	9195	1666.00	9593
5-WC-12	9120	1767	194	1644.00	9952	1790.00	10380
5-WC-13	10080	1947	214	1757.00	10714	1915.00	11172
5-WC-14	11040	2133	234	1938.00	11431	2108.00	11923
5-WC-15	12000	2318	255	2151.00	12180	2333.00	12700
5-WC-16	12960	2504	275	2282.00	12924	2476.00	13457
5-WC-17	13920	2689	296	2413.00	13626	2619.00	14206

▲ See pages 3 and 4 for complete information on Ratings.
 See page 26 for discount on Boiler Repairs.

Gas Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam

GAS BOILERS

STEAM		EMPIRE GAS BOILERS (Jacket Encloses All Controls)					STEAM	
Boiler Number	A.G.A. Steam Rating sq. ft.		Installed Radiation sq. ft.		Trade Prices With Regular Equipment		Approx. Shipping Weight	
	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525 Btu 1.16 Sp. Gr.	LP-Gas (Propane)	LP-Gas (Butane)	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525 Btu 1.16 Sp. Gr.	LP-Gas (Propane)	LP-Gas (Butane)		
0-GS-4-E	255	255	200	165	165	130	\$249.00	626
0-GS-5-E	340	340	267	220	220	170	275.00	716
0-GS-6-E	425	425	333	275	275	215	301.00	618

Regular Equipment Includes the Following:

Detroit V-574-S Step Acting Automatic Gas Valve with Mechanical Limit Control, Manual Opening Feature, Automatic Recycling, (Special for LP-Gas); Series 500 Base Automatic Pilot Valve (Arranged for 100% Safety Shut-off for LP-Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.); Resetting Low Water Cut-off; Manual Shut-off Valve; Pilot Filter and Gas Pressure Regulator (Except for LP-Gas); Steam Gauge; Safety Valve; Boiler Drain and Pilot Cocks; Insulated Jacket; Draft Hood.

STEAM		STANDARD GAS BOILERS (Jacketed)				STEAM	
Boiler Number	A.G.A. Steam Rating sq. ft.		▲ Installed Radiation sq. ft.		Trade Prices With Regular Equipment	Approx. Shipping Weight	
	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas			
1-GS-4	600	600	395	395	\$342.00	1034	
1-GS-5	800	800	530	530	418.00	1213	
1-GS-6	1000	1000	670	670	489.00	1382	
1-GS-7	1200	1200	810	810	524.00	1566	
1-GS-8	1400	1400	950	950	600.00	1748	
1-GS-9	1600	1600	1095	1095	659.00	1913	
1-GS-10	1800	1800	1240	1240	697.00	2111	
4-GS-6	2000	2000	1390	1390	737.00	3015	
4-GS-7	2400	2400	1690	1690	822.00	3390	
4-GS-8	2800	2800	1995	1995	914.00	3756	
4-GS-9	3200	3200	2300	2300	1072.00	4140	
4-GS-10	3600	3600	2610	2610	1158.00	4621	
4-GS-11	4000	4000	2935	2935	1276.00	4973	
4-GS-13	4800	4800	3570	3570	1487.00	6368	
4-GS-15	5600	5600	4230	4230	1720.00	7121	
4-GS-17	6400	6400	4895	4895	1895.00	7839	
4-GS-19	7200	7200	5565	5565	2132.00	8638	
4-GS-21	8000	8000	6205	6205	2287.00	9450	
4-GS-22	8400	8400	6520	6520	2441.00	10604	
4-GS-25	9600	9600	7455	7455	2743.00	11737	
4-GS-28	10800	10800	8385	8385	3050.00	12912	
4-GS-31	12000	12000	9315	9315	3388.00	14069	
4-GS-33	12800	12800	9940	9940	3618.00	15397	
4-GS-37	14400	14400	11180	11180	4085.00	16925	
4-GS-41	16000	16000	12420	12420	4559.00	18519	

Regular Equipment Includes the Following:

Detroit 569-VS Thermotor Automatic Gas Valve with Mechanical Limit Control, Manual Opening Feature, Automatic Recycling, No. 850 Base Automatic Pilot Switch (Special Control for 100% Safety Shut-off for LP-Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.); Detroit 450-BA-1 Boiler Pressure Limit Control (with 4-G Boilers Only); Resetting Low Water Cut-off; Manual Shut-off Valve; Pilot Filter and Gas Pressure Regulator (Except for LP-Gas); Steam Gauge; Safety Valve; Boiler Drain and Pilot Cocks; Insulated Jacket; Draft Hood.

The above Detroit Gas Valves, with Transformer, are electrically operated by room thermostat. For use with Detroit 411-CH Timed Cycling Thermostat or any 2-wire thermostat (with or without Clock), for Automatic Room Temperature Control.

Ratings indicated above are for installations at sea level and at elevations up to 2000 feet. For ratings from 2000 feet to 5200 feet and above, refer to current literature.

Push Button Electric Ignition for Mfd., Nat. and Mixed Gas is available for Gas Boilers (except Types 0-GS-E and 4-G) and will be furnished if specified on order at \$15.00 Trade Price extra.

IMPORTANT NOTE: Controls regularly furnished are for 115 Volt, 60 Cycle A.C. ROOM THERMOSTAT NOT INCLUDED IN ABOVE PRICES—see page 25 for prices.

▲ See pages 3 and 4 for complete information on Ratings.
See page 25 for instructions for Ordering.

GSD-76-A

22A

6-19-50

RH-10

22

Water

AMERICAN-Standard

HEATING EQUIPMENT

Gas Fired

GAS BOILERS

WATER EMPIRE GAS BOILERS (Jacket Encloses All Controls) WATER

Boiler Number	A.G.A. Water Rating sq. ft.		▲ Installed Radiation sq. ft.		Trade Prices With Regular Equipment	Approx. Shipping Weight
	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas		
1-GA-4-E	210	210	135	135	\$170.00	331
1-GA-5-E	280	280	180	180	180.00	375
1-GA-6-E	350	350	225	225	190.00	413
2-GA-4-E	420	400	270	255	204.00	404
2-GA-5-E	560	533	360	345	232.00	481
2-GA-6-E	700	666	455	435	253.00	560
2-GA-7-E	840	800	550	520	283.00	640
4-GA-5-E	980	980	645	645	313.00	756
4-GA-9-E	1120	1120	740	740	344.00	827
4-GA-11-E	1400	1400	930	930	398.00	985

Regular Equipment Includes the Following:
 Detroit V-574-FW Step Acting Automatic Gas Valve with Mechanical Limit Control, Manual Opening Feature, Automatic Recycling, (Special for LP-Gas); Series No. 500 Base Automatic Pilot Valve (Arranged for 100% Safety Shut-off for LP-Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.); Manual Shut-off Valve; Pilot Filter and Gas Pressure Regulator (Except for LP-Gas); Thermitometer; Boiler Drain and Pilot Cocks; Insulated Jacket; Draft Hood.

WATER STANDARD GAS BOILERS (Jacketed) WATER

Boiler Number	A.G.A. Water Rating sq. ft.		▲ Installed Radiation sq. ft.		Trade Prices With Regular Equipment	Approx. Shipping Weight
	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas	Mfd., Nat. & Mixed Gas; Butane-Air Gas 525Btu, 1.16SG	LP-Gas		
1-GW-4	960	960	630	630	\$307.00	1005
1-GW-5	1280	1280	850	850	383.00	1185
1-GW-6	1600	1600	1070	1070	454.00	1354
1-GW-7	1920	1920	1295	1295	489.00	1531
1-GW-8	2240	2240	1520	1520	565.00	1715
1-GW-9	2560	2560	1755	1755	624.00	1882
1-GW-10	2880	2880	1990	1990	662.00	2080
4-GW-6	3200	3200	2225	2225	702.00	2960
4-GW-7	3840	3840	2705	2705	787.00	3335
4-GW-8	4480	4480	3190	3190	874.00	3702
4-GW-9	5120	5120	3685	3685	1032.00	4086
4-GW-10	5760	5760	4180	4180	1118.00	4567
4-GW-11	6400	6400	4690	4690	1236.00	4919
4-GW-13	7680	7680	5710	5710	1447.00	6327
4-GW-15	8960	8960	6755	6755	1680.00	7080
4-GW-17	10240	10240	7835	7835	1855.00	7798
4-GW-19	11520	11520	8905	8905	2092.00	8597
4-GW-21	12800	12800	9930	9930	2242.00	9409
4-GW-22	13440	13440	10435	10435	2396.00	10528
4-GW-25	15360	15360	11925	11925	2698.00	11651
4-GW-28	17280	17280	13415	13415	3005.00	12836
4-GW-31	19200	19200	14905	14905	3343.00	13993
4-GW-33	20480	20480	15900	15900	3563.00	15318
4-GW-37	23040	23040	17890	17890	4030.00	16846
4-GW-41	25600	25600	19875	19875	4504.00	18440

Regular Equipment Includes the Following:
 Detroit 569-VW Thermotor Automatic Gas Valve with Mechanical Limit Control, Manual Opening Feature, Automatic Recycling; 1-1/2" 850 Base Automatic Pilot Switch (Special Control for 100% Safety Shut-off for LP-Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.); Detroit 653 Immersion Operating Control (with 4-G Boilers Only); Manual Shut-off Valve; Pilot Filter and Gas Pressure Regulator (Except for LP-Gas); Thermitometer; Boiler Drain and Pilot Cocks; Insulated Jacket; Draft Hood.

The above Detroit Gas Valves, with Transformer, are electrically operated by room thermostat. For use with Detroit 411-CH Timed Cycling Thermostat or any 2-wire thermostat (with or without Clock), for Automatic Room Temperature Control.

Ratings indicated above are for installations at sea level and at elevations up to 2000 feet. For ratings from 2000 feet to 5200 feet and above, refer to current literature.

Push Button Electric Ignition for Mfd., Nat. and Mixed Gas is available for Gas Boilers (except Types O-GS-E and 4-G) and will be furnished if specified on order at \$15.00 Trade Price extra.

IMPORTANT NOTE: Controls regularly furnished are for 115 Volt, 60 Cycle A.C. ROOM THERMOSTAT NOT INCLUDED IN ABOVE PRICES—see page 25 for prices.

▲ See pages 3 and 4 for complete information on Ratings. See page 25 for Instructions for Ordering.

6-19-50

23A

GSD-76-B

23

RH-10

Gas Fired

AMERICAN-Standard

HEATING EQUIPMENT

Steam and Water

GAS BOILERS FOR HOT WATER SUPPLY

DIRECT TYPE AUTOMATIC HOT WATER STORAGE SYSTEMS

EMPIRE WATER BOILERS WITH "DW" EQUIPMENT

(Jacket Encloses All Controls)
Hydrostatically Tested at 200 Lbs.

Boiler Number	RATING — GALLONS WATER PER HOUR						Trade Prices With "DW" Equipment
	Mfd., Natural & Mixed Gas; Butane-Air Gas 525 Btu, 1.16 SG			LP-Gas			
	60° Rise	80° Rise	100° Rise	60° Rise	80° Rise	100° Rise	
1-GA-4-E	63	47	38	63	47	38	\$190.00
1-GA-5-E	84	63	50	84	63	50	200.00
1-GA-6-E	105	79	63	105	79	63	210.00
2-GA-4-E	126	95	76	120	90	72	224.00
2-GA-5-E	168	126	101	160	120	96	252.00
2-GA-6-E	210	158	126	200	150	120	273.00
2-GA-7-E	252	189	161	240	180	144	303.00
4-GA-8-E	294	220	178	294	220	178	333.00
4-GA-9-E	336	252	201	336	252	201	364.00
4-GA-11-E	420	316	252	420	316	252	418.00

"DW" Equipment includes, in addition to Boiler with regular equipment, (except special pressure gauge is furnished instead of thermostat), Detroit 653 Immersion Operating control for use in storage tank, Tank Relief Valve and Tank Thermometer.

INDIRECT TYPE AUTOMATIC HOT WATER STORAGE SYSTEMS

EMPIRE STEAM BOILERS WITH "IS" EQUIPMENT

(Jacket Encloses All Controls)

Boiler Number	RATING — GALLONS WATER PER HOUR									Trade Prices With Equipment
	Mfd., Nat. & Mixed Gas; Butane-Air Gas, 525 Btu, 1.16 SG			LP-Gas (Propane)			LP-Gas (Butane)			
	60° Rise	80° Rise	100° Rise	60° Rise	80° Rise	100° Rise	60° Rise	80° Rise	100° Rise	
0-GS-4-E	125	90	75	125	90	75	95	70	60	\$257.25
0-GS-5-E	165	125	100	165	125	100	130	95	75	283.25
0-GS-6-E	205	155	125	205	155	125	160	120	95	309.25

"IS" Equipment includes, in addition to Boiler with regular equipment, Detroit 653 Immersion Operating control for use in storage tank.

STANDARD STEAM BOILERS WITH "IS" EQUIPMENT

(Jacketed)

Boiler Number	RATING — GALLONS WATER PER HOUR						Trade Prices With "IS" Equipment
	Mfd., Natural & Mixed Gas: Butane-Air Gas 525 Btu, 1.16 SG			LP-Gas			
	60° Rise	80° Rise	100° Rise	60° Rise	80° Rise	100° Rise	
1-GS-4	290	215	175	290	215	175	\$350.25
1-GS-5	385	290	230	385	290	230	426.25
1-GS-6	480	360	290	480	360	290	497.25
1-GS-7	575	430	345	575	430	345	532.25
1-GS-8	670	505	405	670	505	405	608.25
1-GS-9	770	575	460	770	575	460	667.25
1-GS-10	865	650	520	865	650	520	705.25

"IS" Equipment includes, in addition to Boiler with regular equipment, Detroit 653 Immersion Operating control for use in storage tank.

NOTE: Type 4-G Boilers can be furnished for use with Indirect-Steam Hot Water Supply Systems. Add to Trade Price of Boiler with Regular Equipment \$8.25 for Detroit 653 Immersion Operating Control for use in storage tank. This control operates gas valves on boiler electrically as required.

Ratings indicated above are for installations at sea level and at elevations up to 2000 feet. For Ratings from 2000 feet to 6200 feet and above, refer to current literature.

NOTE: Approximate shipping weights of Gas Boilers for Hot Water Supply are same as shown for regular Gas Boilers.

IMPORTANT NOTE: Controls regularly furnished are for 115 Volt, 60 Cycle A.C.

See page 25 for Instructions for Ordering.

GSD-76-C

24A

6-19-50

RH-10

24

AMERICAN-Standard

Thermostats HEATING EQUIPMENT

Gas Conversion Burners

ROOM THERMOSTATS	Trade Prices
411-CH Detroit Timed Cycling Thermostat.....	\$ 8.55
411-CDN Detroit Timed Cycling Day-Night Thermostat.....	9.45
772 Tam-Clock, with Transformer (for use with 411-CDN).....	16.73
*T-11-A MH Acratherm.....	8.55
T-81-A MH Acratherm.....	8.55
*T-109-A MH Acratherm.....	17.63
T-847-A MH Chronotherm.....	26.18

*No. R-19A MH Relay is required with these controls on STEAM and GRAVITY WATER installations, and will be furnished on order at an added Trade Price charge of \$7.95.

IMPORTANT NOTE: CA-295 Detroit Relay Transformer is required on FORCED HOT WATER installations with 411-CH Detroit Timed Cycling Thermostat or other Thermostats, and will be furnished on order at an added Trade Price charge of \$8.78.

Gas Boilers—Instructions for Ordering

- Orders Must Specify: (1) Equipment desired: Regular, "DW" or "IS."
 (2) Type of Gas. (If LP-Gas, whether Butane or Propane)
 (3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
 (4) Pressure available at outlet of Gas Meter.
 (5) Specific Gravity of Gas.
 (6) Elevation at point of installation if in excess of 2,000 feet.

Note: Drilled Port Burners are furnished as regular equipment with American Gas Boilers. Ribbon Burners are available as optional equipment in territories where Manufactured Gas is used.

STANFLAME GAS CONVERSION BURNER—FACTORY ASSEMBLED

Converter Number	A.G.A. Ratings — Btu Input per Hour				Trade Prices with Standard Equipment	Approx. Shipping Weight
	Adjustable Inputs	Mfd., Nat. & Mixed Gas	LP-Gas	LP-Air Gas†		
No. 1	Max. Min.	230,000 60,000	245,000 60,000	200,000 60,000	\$79.00	55
No. 1-A	Max. Min.	230,000 60,000	245,000 60,000	200,000 60,000	80.25	56
No. 2	Max. Min.	335,000 150,000	245,000 150,000	245,000 150,000	82.25	58

†LP-Air Gas Input Ratings as shown are for Butane-Air Gas and Propane-Air Gas with a heating value up to 1,400 Btu.

Standard Equipment Includes:

- | | |
|---|--|
| Detroit 411-CH Timed Cycling Thermostat. | No. 850 Bazo Automatic Pilot Switch for Mfd., Nat., and Mixed Gas. |
| Detroit V-572 Step Acting Automatic Gas Valve and Transformer. (Special for LP-Gas and LP-Air Gas). | Series No. 800 Bazo Automatic Pilot Valve for LP-Gas and LP-Air Gas — arranged for 100% Safety Shut-off. |
| Pilot Filter and Gas Pressure Regulator (except for LP-Gas). | Main Burner. |
| Runner Pilot Igniter. | Mixer Tube. |
| Manual Shut-off Valve. | Control Housing with Adjustable Supports. |
| | Sheet Metal Front Plate (Ashpit Seal). |

Optional Limit Controls

For:	Trade Prices
Steam — Detroit 450-BA-1 Pressure Boiler Limit Control.....	\$7.58
Water — Detroit CA-655 Immersion Limit Control.....	8.40
Water — Detroit 251-MJ Clamp-on Limit Control.....	7.43
Furnace — Detroit CA-805 Air Limit Control.....	7.35

Instructions for Ordering

- Orders must specify: (1) Type of Gas. (If LP-Gas, whether Butane or Propane.)
 (2) Heat Value of Gas — Btu (at 60°F. and 30 inches Hg).
 (3) Pressure available at outlet of Gas Meter.
 (4) Specific Gravity of Gas.
 (5) Optional Limit Control, if desired.

Boilers are regularly furnished complete with trimmings and equipment as follows:

HAND FIRED BOILERS

ARCOLINER—(Dry Base)—SEVERN—REDFLASH

STEAM: Steam gauge, safety valve, gauge glass and trimmings, try cocks, automatic damper regulator and firing tools.

WATER: Theraltimeter, automatic damper regulator (except on No. 3, No. 4 and No. 5 Redflash), and firing tools.

OIL BURNING BOILERS—STOKER FIRED BOILERS

SEVERN—REDFLASH

Regular line boilers adaptable for oil and stoker firing are furnished complete with trimmings and equipment same as corresponding hand fired boilers. Flue brush or flue scraper is included. Grate assemblies, firing tools and automatic damper regulators are not included. Plate work specially adaptable to installation of oil burner or stoker is supplied.

ARCOLINER—(Wet Base)—OAKMONT—EXBROOK—WATER TUBE

Boilers specially designed for oil or stoker firing are regularly furnished complete with trimmings, as follows:

STEAM: Steam gauge, safety valve, gauge glass and trimmings, try cocks, flue brush.

WATER: Theraltimeter (except on No. 29 and No. 36 Water Tube), flue brush.

ARCOFLAME OIL HEATING UNITS

ARCOLINER—(Wet Base)—SEVERN—OAKMONT—EXBROOK UNITS

Arcoflame Oil Heating Units are regularly furnished complete with trimmings as follows:

STEAM: Steam gauge, safety valve, gauge glass and trimmings, try cocks, flue brush, draft stabilizer.

WATER: Theraltimeter, flue brush, draft stabilizer.

GAS FIRED BOILERS

STEAM: Steam gauge, safety valve, gauge glass and trimmings, try cocks, flue brush, resetting low water cutoff, automatic gas valve with mechanical limit control, draft hood, and gas pressure regulator (except for LP-Gas).

WATER: Theraltimeter, flue brush, automatic gas valve with mechanical limit control, draft hood, and gas pressure regulator (except for LP-Gas).

EXTERNAL WATER HEATER TAPPINGS: All Boilers except Gas are regularly furnished with necessary tappings or bosses for installation of external water heater.

For additional tappings or any change in the size or number of tappings extra Trade Charges will be made as follows:

JACKETED BOILERS:

Tapping sections only, per tapping..... \$ 0.50

Tapping sections and cutting Jacket, per boiler..... 24.00

UNJACKETED BOILERS: Per tapping..... 0.50

BUSHINGS: Additional plugs or bushings, or plugs or bushings of sizes other than those regularly furnished, will be charged for at regular prices.

Boiler Repair Parts

Excluding Gas Boilers

TRADE PRICES

List Price..... Plus 45%, Less 18%

For List Prices see "Catalog of Parts for Ideal Boilers" 1936 Edition.

Gauges

AMERICAN-Standard
 HEATING EQUIPMENT

 Pop Safety
 Valves

POP SAFETY VALVES—Low Pressure
 (15 Pounds Setting, Standard)

Size Inches	Trade Prices	Approximate Shipping Weight—Pounds
$\frac{3}{4}$	\$ 2.30	1
1	2.50	1
$1\frac{1}{4}$	3.08	$1\frac{1}{2}$
$1\frac{1}{2}$	4.40	$2\frac{1}{2}$
2	7.52	4
$2\frac{1}{2}$	11.48	$6\frac{1}{2}$
3	15.39	10

STEAM AND WATER GAUGES—Pressed Steel Case
 (Without Cock)

Gauge Number	Used On:	Trade Prices
FOR STEAM BOILERS—(With Internal Syphon)		
Pressure		
S-3 $\frac{1}{4}$ -10	No. 2 Redflash; Exbrook; No. 29 Water Tube	\$ 2.26
S-4 $\frac{1}{4}$ -24	No. 3, No. 4 and No. 5 Redflash; No. 36 Water Tube	2.74
Pressure and Vacuum		
S-3 $\frac{1}{4}$ -17	1-G Standard, Gas	2.61
S-4 $\frac{1}{4}$ -22	4-G, Gas	3.08
S-3 $\frac{1}{4}$ -46	Arcoliner—(Dry Base and Wet Base)	2.61
S-3 $\frac{1}{4}$ -7	Severn; Oakmont; O-G Empire, Gas	3.08
FOR WATER BOILERS		
Theraltimeter		
AW-3 $\frac{1}{4}$ -24	All Redflash and Water Tube Boilers; Exbrook	3.55
AW-3 $\frac{1}{4}$ -45	Arcoliner—(Dry Base and Wet Base)	3.55
AW-3 $\frac{1}{4}$ -77	Severn; Oakmont; 1-GA-E; 2-GA-E; 4-GA-E; 1-G; 4-G, Gas	3.79

BUDGET GAS FIRED AUTOMATIC STORAGE WATER HEATERS
GALVANIZED STEEL

Temperature and Pressure Relief Valve, \$4.00 Trade Price Extra

(For Use with Mfd., Nat., Mixed, LP-Gas, or Butane-Air Gas—525 Btu, 1.16 Sp. Gr.)

Heater No.	Capacity Gallons	Btu Input	Recov. Gal. per Hour 60° Rise	WITH ANODE		LESS ANODE	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
204-S	20	23,000	32.2	\$51.20	171	\$47.70	166
304-S	30	26,000	36.4	60.75	214	57.25	209
404-S	40	33,000	46.2	82.25	245	78.75	240

Gas Inlet $\frac{1}{2}$ " I.P.S. Center Flue-Connection 3" Size of Water Connections $\frac{1}{2}$ "

Replacement Sectionalized Type Magnesium Anode for Budget Water Heater.... Trade Price Each \$3.85

TRADE PRICES FOR BUDGET WATER HEATERS DO NOT INCLUDE 10% FEDERAL EXCISE TAX.

RATINGS INDICATED ABOVE ARE FOR INSTALLATIONS AT SEA LEVEL AND AT ELEVATIONS UP TO 2,000 FEET. FOR RATINGS FROM 2,000 FEET TO 5,200 FEET AND ABOVE, REFER TO CURRENT LITERATURE.

IDEAL HOT WATER SUPPLY BOILERS

Catalogue Page A75-76

IDEAL DOME TYPE HEATERS

TESTED AT 315 LBS.—GUARANTEED WORKING PRESSURE 125 LBS.

Heater Number	Nominal Capacity Gallons	Trade Prices Primed Water Section	Approximate Shipping Weight
180	80	\$17.50	95
195	95	19.55	96
1125	125	20.15	110
1150	150	22.25	124

†Fire Brick furnished with these heaters at no additional charge.

§Fire Brick furnished with these heaters at additional Trade Price of \$1.20.

IDEAL SCUTTLE-A-DAY HEATERS

TESTED AT 315 LBS.—GUARANTEED WORKING PRESSURE 125 LBS.

Heater Number	Nominal Capacity Gallons	Trade Prices Primed Water Section	Approximate Shipping Weight
75 F	75	\$14.50	108
110 F	110	21.45	123
175 F	175	27.50	195

Heaters regularly furnished less Base Plate. If required, add for:

Base Plate for 75F, 110F.....\$0.75 Trade Each Base Plate for 175F.....\$1.45 Trade Each

Legs for 75F, 110F, 175F.....\$0.75 Trade per Set

FIRE BRICK furnished with above Heaters at no additional charge.

FIRE TOOLS: No fire tools or trimmings will be furnished with above Hot Water Supply Heaters.

See page 26 for discount on Boiler Repairs.

RADIATORS
TRADE PRICES PER SQUARE FOOT

Pattern	Width	Height, Inches	Trade Prices per square foot
ARCO Catalogue Page A103-106 Sold only in even number of sections	6 Tube	32	70 ½ cents
	3, 4, 5, 6 Tube	25	71 cents
	4, 5 Tube	22	74 cents
	4, 6 Tube	19	75 ½ cents
Type			
ARCO CONVECTORS	Arco Cast Iron	See Page 32	
	Arco Multifin	See Pages 33 and 34	
*SUNRAD	M 5 x 20	92 cents	
	M 7 ½ x 23	96 cents	

*IMPORTANT: Increase Size 5% for recessed installation — ¼" air space top and sides, ½" at back.
 Increase Size 15% for tightly recessed installation — No clearance top or sides, ½" air space at back.

BASEBOARD RADIANT PANELS	★Type "RC" Radiant Convector Panel ★Type "R" Radiant Panel	94 cents \$1.03
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★Both Type "RC" and Type "R" Baseboard Panels are available in the following lengths:
 24-inch Left Hand End Panel 24-inch Right Hand End Panel
 24-inch Center Panel 12-inch Right Hand End Panel

PEERLESS WALL Catalogue Page A123-125	11-B Pattern	82 cents
	8-B Pattern	87 cents

RATINGS — SQUARE FEET PER SECTION OR PER LINEAL FOOT

ARCO RADIATORS Sold only in even number of sections					SUNRAD RADIATORS	
Height in Inches	3 Tube	4 Tube	5 Tube	6 Tube	M 5 x 20 Pattern.....	2.25 sq. ft. per Section
					M 7 ½ x 23 Pattern.....	3.40 sq. ft. per Section
	Sq. ft. per Section				BASEBOARD RADIANT PANELS	
32				3.7	Type "RC" Radiant Convector Panels	2.08 sq. ft. per Lineal Foot
25	1.6	2.0	2.4	3.0	Type "R" Radiant Panels.....	1.25 sq. ft. per Lineal Foot
22	...	1.8	2.1	...		
19	...	1.6	...	2.3		

PEERLESS WALL RADIATORS

11-B Pattern.....	11 sq. ft. per Section
8-B Pattern.....	8 sq. ft. per Section

For detail prices on Arco Convector and Enclosures, see pages 32, 33, 34 and 35.

RADIATOR ACCESSORIES

Catalogue Page A127-130

ARCO BRACKETS, for 3, 4, 5, 6 Tube, with Wall Plate, Trade Price each..... \$0.53

ARCO RADIATOR PEDESTALS — Single Type

$\frac{1}{4}$ " and 1", Trade Price Each..... \$0.21 1 $\frac{1}{2}$ ", Trade Price Each..... \$0.26

SUNRAD BRACKETS, for M 5 x 20, M 7 $\frac{1}{2}$ x 23, Trade Price Each..... \$0.42

PEERLESS WALL AND CEILING BRACKETS

	Trade Prices Each
Adjustable, with Bearing Plate, Single Spool.....	\$2.55
Adjustable, with Bearing Plate, Double Spool.....	4.65
Type L.....	0.16
Type M.....	0.11
Type MM.....	0.16
Type P.....	0.32

BASEBOARD RADIANT PANEL ACCESSORIES

	Trade Prices Each		Trade Prices Each
Extension Panel (6 Ft. Length).....	\$3.50	Assembly Clamp.....	\$5.78
Extension Panel Supporting Bracket.....	0.44	★ Center Support Screw Leg.....	0.12
Extension Panel Connecting Piece.....	0.37	★ Tie Bolt.....	0.06
Valve Enclosure.....	1.34	★ $\frac{1}{4}$ " Slip Nipple.....	0.16
Inverted Corner Cover.....	1.18	★ $\frac{1}{4}$ " Air Vent Plug.....	0.01
Projecting Corner Cover.....	1.18	★ End Bracket with Machine Screw..	0.12
Compression Corner Connection.....	1.73		

★ These items are regularly furnished as required with Baseboard Radiant Panels. Prices are shown for repair or replacement purposes.

NIPPLES, PLUGS, BUSHINGS, ETC.

	Trade Prices Each		Trade Prices Each
$\frac{1}{4}$ ", 1", 1 $\frac{1}{2}$ " Plugs, Bushings.....	\$0.16	$\frac{1}{4}$ " Air Vent Plugs.....	\$0.01
$\frac{1}{4}$ ", 1", 1 $\frac{1}{2}$ " Slip Nipples.....	0.16	Radiator Rod Nuts.....	0.01
1 $\frac{1}{2}$ " Hexagon Nipples.....	0.26	Radiator Rods, each, per Section.....	0.01

Above items available for use only with our products.

SUNRAD GRILLES

Catalogue Page A106-107

Inlet — Stamped Lattice Type — Trade Price per section..... \$0.12

SPECIAL RADIATORS AVAILABLE**ARCO RADIATORS**

Three, Four, Five and Six Tube Arco Radiators are regularly furnished with two and one-half inch ($2\frac{1}{2}$ ") legs but can be supplied on Special Order with four and one-half inch ($4\frac{1}{2}$ ") legs, or without legs, at no extra charge. No other special legs can be supplied.

ARCO RADIATORS SOLD ONLY IN EVEN NUMBER OF SECTIONS
UP TO A MAXIMUM OF 56 SECTIONS

SUNRAD RADIATORS

M 5 x 20 and M $7\frac{1}{2}$ x 20 Sunrad Radiators are regularly furnished with two and three-quarter inch ($2\frac{3}{4}$ ") legs but can be supplied on Special Order without legs, at no extra charge. No other special legs can be supplied.

SUNRAD RADIATORS SOLD IN EVEN NUMBER OF SECTIONS FROM 4 TO 30 SECTIONS, AND
IN ODD NUMBER OF SECTIONS WITH CENTER LEG FROM 31 TO A MAXIMUM OF 45 SECTIONS.

PEERLESS WALL RADIATORS

Extra Charge of 50c each will be made for tapings on Nos. 20, 50, 60 and 90 on outline drawings of Peerless Wall and Ceiling Radiators in the "AMERICAN-STANDARD" GENERAL CATALOGUE.

For convenience in handling and shipping, Nos. 8-B and 11-B Radiators will be assembled in lengths not exceeding 4 sections.

SHIPPING WEIGHTS

For estimating purposes only, the following approximate weights per square foot may be used for radiators: Arco, $4\frac{1}{2}$ pounds; Sunrad, M 5 x 20 — 6 pounds, M $7\frac{1}{2}$ x 23 — $6\frac{1}{2}$ pounds; Baseboard Radiant Panels, Type "RC", 5 pounds, Type "R", 8 pounds; Peerless Wall, $6\frac{1}{2}$ pounds.

For estimating purposes only, the following approximate shipping weights may be used for Convectors and Enclosures:

Cast Iron Convectors — elements only — see page 32; per sq. ft. of radiation based on 24" E. H. rating — $3\frac{3}{4}$ pounds.

"NFS," "OF," "PF★," "W," "SW," complete Enclosures, for Cast Iron or Multfin Convectors, per sq. ft. of radiation — $1\frac{1}{2}$ pounds.

"FP," "FC," Front Panels only, for Cast Iron Convectors, per sq. ft. of radiation — $\frac{1}{4}$ pounds.

Multfin Convectors — elements only — see page 33; per sq. ft. of radiation based on 24" E. H. ratings — $\frac{3}{4}$ pounds.

Multfin Units (convectors shipped mounted in enclosures) per sq. ft. of radiation —
"Special Service Line" — 2 pounds.

"Stock Model" — see page 34; per sq. ft. of radiation — $1\frac{1}{4}$ pounds.

★ "PF" Enclosures are for use only with Multfin Convectors.

Arco Cast Iron
Convectors

AMERICAN-Standard
HEATING EQUIPMENT

Arco Cast Iron
Convectors

**STANDARDIZED
ARCO CAST IRON CONVECTORS
—SPECIAL SERVICE LINE—
WHEN SOLD IN COMBINATION WITH STANDARD
ENCLOSURES OR PANELS—TRADE PRICES**

COMBINATION PRICE: The actual output in square feet of catalogue rating — Steam (215°F.) obtained with the enclosure heights furnished determines the price of convectors and enclosures sold in combination. The total price of each order equals the amount of catalogue square feet ordered multiplied by the price per square foot, plus the unit extra charge multiplied by the total number of units ordered.

Standard Enclosures and Panels are furnished in:—

Prime painted sheet steel — reinforced, No. 18 gauge front, and No. 20 gauge back, ends and top, rounded corners, streamline front discharge grille, and open bottom inlet arch. Heights, lengths and depths to accommodate convectors listed in current literature, using X-4 connection for two-pipe systems and Y-6 connection for one-pipe steam systems, where piping must be concealed.

Enclosure Type	DESCRIPTION	Price per sq. ft.	Unit Extra Charge
NFS	Floor Type—Free Standing or partially recessed....	\$ 0.79	\$10.00
OF (Flush)	Floor Type—Overlap Front fully recessed with ½" Rolled Edges.....	.78	10.60
OF (Flanged)	Floor Type—Overlap Front partially recessed with 2½" or 4½" Flanges.....	.78	11.50
W	Wall Hung—Flat Top.....	.79	10.00
SW	Wall Hung—Sloping Top.....	.79	10.00
FP (Flush)	Floor Type—Front Panel Only fully recessed with ½" Rolled Edges.....	.72	6.00
FC (Flanged)	Floor Type—Front Panel Only partially recessed with 2½" or 4½" Flanges.....	.72	6.90

Example for ordering:—

Assume an order for 1000 sq. ft. catalogue rating in 25 Type NFS enclosures.

1000 x \$.79 = \$ 790.00

25 x 10.00 = 250.00

Total Trade Price = \$1,040.00

**STANDARDIZED
ARCO CAST IRON CONVECTOR ELEMENTS ONLY—TRADE PRICES
(When Sold Without Enclosures)
Steam or Water**

Con- vector Length Inches	No. 6—5½" Depth			No. 7—7½" Depth			No. 9—9½" Depth		
	Unit No.	Approx. Shipping Weight	Trade Prices	Unit No.	Approx. Shipping Weight	Trade Prices	Unit No.	Approx. Shipping Weight	Trade Prices
18	518	57	\$11.02	.....	.....	.....	.....	.....	.....
23	523	73	14.21	.....	.....	.....	.....	.....	.....
28	528	90	17.41	728	113	\$22.03	.....	.....	.....
33	533	106	20.67	733	134	26.11	933	162	\$31.48
38	538	123	23.87	738	155	30.12	938	188	36.45
43	543	139	27.06	743	176	34.20	943	213	41.35
48	548	156	30.26	748	197	38.28	948	238	46.31
53	553	172	33.46	753	218	42.36	953	264	51.27
63	563	206	39.92	763	260	50.52	963	314	61.06

Arco Cast Iron Convectors in lengths and depths indicated above are Standardized Sizes when sold with or without enclosures, with X-4 and Y-6 connections only.

**STANDARDIZED
ARCO MULTIFIN CONVECTORS**

**— SPECIAL SERVICE LINE —
WHEN SOLD IN COMBINATION WITH STANDARD
ENCLOSURES—TRADE PRICES**

COMBINATION PRICE: The actual output in square feet of catalogue rating — Steam (215°F.) obtained with the enclosure heights furnished determines the price of convectors and enclosures sold in combination. The total price of each order equals the amount of catalogue square feet ordered multiplied by the price per square foot, plus the unit extra charge multiplied by the total number of units ordered.

Standard Enclosures are furnished in:—

Prime painted sheet steel — reinforced, No. 18 gauge front, and No. 20 gauge back, ends and top, rounded corners, streamline front discharge grille, and open bottom inlet arch. Heights, lengths and depths to accommodate convectors listed in current literature, using X-4 connection for two-pipe systems, where piping must be concealed.

Specify on order whether for steam or water.

Enclosure Type	DESCRIPTION	Price per sq. ft.	Unit Extra Charge
NFS & MD	Floor Type—Free Standing or partially recessed ..	\$0.33	\$ 9.00
OF (Flush)	Floor Type—Overlap Front fully recessed with 1/8" Rolled Edges	.32 1/2	9.50
OF (Flanged)	Floor Type—Overlap Front partially recessed with 2 1/2" or 4 1/2" Flanges	.32 1/2	10.35
W & MW	Wall Hung—Flat Top	.29	9.00
SW & MSW	Wall Hung—Sloping Top	.25	9.00
PF	Floor Type—Plaster Front fully recessed	.36	9.50

Example for ordering:—

Assume an order for 1000 sq. ft. catalogue rating in 25 Type NFS enclosures.

1000 x \$.33 = \$330.00

25 x \$9.00 = 225.00

Total Trade Price = \$555.00

**STANDARDIZED
ARCO MULTIFIN CONVECTOR ELEMENTS ONLY—TRADE PRICES**
(When Sold Without Enclosures)
2 Pipe—Steam or Water

Con- vector Length Inches	No. 3—3 1/4" Depth			No. 5—5 1/4" Depth			No. 7—7 1/4" Depth			No. 10—10 1/4" Depth		
	Unit No.	Approx. Shpg. Wgt.	Trade Prices	Unit No.	Approx. Shpg. Wgt.	Trade Prices	Unit No.	Approx. Shpg. Wgt.	Trade Prices	Unit No.	Approx. Shpg. Wgt.	Trade Prices
19 1/4	320	8	\$ 7.05	520	13	\$ 9.15	...	...	...	...	...	...
23 1/4	324	10	7.61	524	16	9.90	...	...	...	...	...	...
27 1/4	328	12	8.16	528	19	10.65	...	...	...	...	...	...
31 1/4	332	14	8.71	532	22	11.40	732	27	\$15.26	...	...	...
35 1/4	336	16	9.27	536	25	12.15	736	31	16.20	1036	41	\$19.62
39 1/4	340	18	9.83	540	28	12.90	740	35	17.15	1040	46	21.27
43 1/4	344	20	10.38	544	31	13.65	...	...	...	...	...	...
47 1/4	348	22	10.94	548	34	14.40	748	43	19.04	1048	56	24.57
51 1/4	352	24	11.49	552	37	15.15	752	46	20.00	1052	59	26.02
55 1/4	356	26	12.04	556	40	15.90	756	51	20.93	1056	66	27.87
59 1/4	360	28	12.59	560	43	16.65	760	54	21.68	1060	69	28.62
63 1/4	364	30	13.16	564	46	17.40	764	59	22.82	1064	76	31.17

Arco Multifin Convectors in lengths and depths indicated above are Standardized Sizes when sold with or without enclosures.

Special Arco Air Chambers, Trade Price Each\$1.55

ARCO MULTIFIN CONVECTORS WITH "NFS" ENCLOSURES**—STOCK MODEL—*****For use on gravity or forced circulation hot water systems only.**

En- closure Length Inches	No. 5 Width (6 1/4" Enclosure)				No. 7 Width (8 1/4" Enclosure)				No. 10 Width (11 1/4" Enclosure)			
	Unit No.	Sq. ft. Output	App. Shp. Wt.	Trade Prices	Unit No.	Sq. ft. Output	App. Shp. Wt.	Trade Prices	Unit No.	Sq. ft. Output	App. Shp. Wt.	Trade Prices
20" Enclosure Height												
21 1/4	520-20	16.2	30	\$14.10	.....	.....	..	...	.....	.....	..	...
25 1/4	524-20	19.9	34	15.25	.....	.....	..	...	.....	.....	..	...
29 1/4	528-20	23.7	37	16.45	.....	.....	..	...	.....	.....	..	...
33 1/4	532-20	27.4	41	17.65	732-20	36.3	45	\$20.40	.....	.....	..	...
37 1/4	536-20	31.1	44	18.80	736-20	41.2	50	21.95	1036-20	55.1	77	\$26.35
41 1/4	540-20	34.8	48	20.00	740-20	46.2	55	23.55	1040-20	61.8	82	28.50
45 1/4	544-20	38.5	52	21.15	.....	.....	..	...	.....	.....	..	...
49 1/4	548-20	42.2	55	22.30	748-20	56.1	65	26.70	1048-20	75.3	92	32.70
53 1/4	552-20	45.9	62	24.60	752-20	66.0	75	29.80	1052-20	88.8	102	37.00
57 1/4	556-20	49.6	62	24.60	756-20	66.0	75	29.80	1056-20	88.8	102	37.00
61 1/4	560-20	53.3	70	26.95	760-20	75.9	85	32.90	1060-20	102.3	112	41.20
65 1/4	564-20	57.0	70	26.95	764-20	75.9	85	32.90	1064-20	102.3	112	41.20
24" Enclosure Height												
21 1/4	520-24	18.0	32	\$14.65	.....	.....	..	...	.....	.....	..	...
25 1/4	524-24	22.2	36	16.00	.....	.....	..	...	.....	.....	..	...
29 1/4	528-24	26.3	41	17.30	.....	.....	..	...	.....	.....	..	...
33 1/4	532-24	30.5	45	18.85	732-24	39.5	50	\$21.45	.....	.....	..	...
37 1/4	536-24	34.6	49	19.90	736-24	44.9	55	23.15	1036-24	59.6	80	\$27.75
41 1/4	540-24	38.7	54	21.20	740-24	50.3	60	24.85	1040-24	67.1	86	30.15
45 1/4	544-24	42.9	58	22.50	.....	.....	..	...	.....	.....	..	...
49 1/4	548-24	47.1	62	23.85	748-24	61.1	70	28.25	1048-24	81.6	99	34.70
53 1/4	552-24	51.3	71	26.50	752-24	71.9	80	31.65	1052-24	96.3	111	39.35
57 1/4	556-24	55.5	71	26.50	756-24	71.9	80	31.65	1056-24	96.3	111	39.35
61 1/4	560-24	59.7	79	29.05	760-24	82.7	90	35.05	1060-24	110.7	124	43.90
65 1/4	564-24	63.6	79	29.05	764-24	82.7	90	35.05	1064-24	110.7	124	43.90
32" Enclosure Height												
21 1/4	520-32	20.6	38	\$15.50	.....	.....	..	...	.....	.....	..	...
25 1/4	524-32	25.4	43	17.00	.....	.....	..	...	.....	.....	..	...
29 1/4	528-32	30.2	48	18.50	.....	.....	..	...	.....	.....	..	...
33 1/4	532-32	35.0	53	20.05	732-32	44.6	61	\$23.05	.....	.....	..	...
37 1/4	536-32	39.7	58	21.50	736-32	50.6	67	24.95	1036-32	67.2	92	\$30.15
41 1/4	540-32	44.4	63	23.00	740-32	56.7	73	26.85	1040-32	75.4	98	32.75
45 1/4	544-32	49.2	68	24.50	.....	.....	..	...	.....	.....	..	...
49 1/4	548-32	53.9	74	25.95	748-32	68.9	84	30.70	1048-32	91.8	109	37.95
53 1/4	552-32	58.7	84	29.05	752-32	81.1	96	34.55	1052-32	108.2	121	43.05
57 1/4	556-32	63.5	84	29.05	756-32	81.1	96	34.55	1056-32	108.2	121	43.05
61 1/4	560-32	68.3	94	31.10	760-32	93.3	108	38.40	1060-32	124.6	132	48.25
65 1/4	564-32	73.1	94	31.10	764-32	93.3	108	38.40	1064-32	124.6	132	48.25

Special Chain Type Dampers for Stock Model Convectors, Trade Price Each.....\$1.35

Special Arco Air Chambers, Trade Price Each.....1.55

*Not Adaptable for Steam Systems.

For MBH Ratings at various Hot Water Temperatures, see current Multifin Convector literature.

Enclosures furnished with: Integral stamped streamline front outlet grille.

Sanitary arched inlet opening.

Exposed corners and edges rounded on 1/2" radius.

Welded-in convector supporting brackets.

Welded-in bottom floor angle clips.

Slotted bolt holes in back.

Prime coat of gray paint.

ENCLOSURE EXTRAS
— SPECIAL SERVICE LINE —
Added Charges for Special Features

**APPLICABLE TO ENCLOSURES AND PANELS FOR BOTH ARCO
CAST IRON CONVECTORS AND ARCO MULTIFIN CONVECTORS**

Trade Prices

1. Access Door.....each \$1.75
2. Dampers:
 - Chain Type—Standard Length (Enclosures or Panels)..... 1.55
 - Knob Type—Standard Length (Enclosures or Panels)..... 2.00

"Standard Length" refers to Arco Cast Iron Convectors up to 53" length, and to Arco Multifin Convectors up to 55½" length. (For Longer Convectors, 2 Dampers are furnished. Trade Prices shown above will apply to each Damper.)
3. Inlet Grille—for Types "NFS," "OF," "FP," "FC" (no access door included)
per sq. ft. of Enclosure Output..... .02
4. Inlet Grille—for Type "PF"—with Attaching Throat (no access door included)
per sq. ft. of Enclosure Output..... .04
5. Stool Outlet Grille—instead of Standard Front Outlet Grille—for Types "NFS" or
"W" only—Regular Sheet Price plus.....each 1.20
6. Extra Length on Standard Panels, All Types, per inch of extra length..... .20
7. Extra Length on Standard Enclosures, All Types, except Types "W" and "SW"
per inch of extra length..... .40
Types "W" and "SW" available only in Standard Lengths.
8. Special Requirements:
 - a. Heavier Gauge Fronts: Per sq. ft. of Enclosure output:.....
 - No. 16 Gauge.....
 - No. 14 Gauge.....
 - b. Heavier Gauge Linings: Per sq. ft. of Enclosure output:.....
 - No. 18 Gauge.....
 - No. 16 Gauge.....
 - No. 14 Gauge.....
 - c. Special Design Enclosures or Panels.....

 Prices on
Application



RH-10

FREIGHT ALLOWANCES

All previous freight allowances are void.

SHIPMENTS OF **AMERICAN-Standard** HEATING EQUIPMENT INCLUDING BOILERS, BOILER ACCESSORIES, ARCOFLAME OIL HEATING UNITS, IDEAL HOT WATER SUPPLY BOILERS, BUDGET WATER HEATERS, RADIATORS, BASEBOARD RADIANT PANELS, RADIATOR ACCESSORIES, ARCO CAST IRON CONVECTORS AND ENCLOSURES, ARCO MULTIFIN CONVECTORS AND ENCLOSURES*, ARCOFLAME OIL BURNERS AND CONTROLS, AND GAS CONVERSION BURNERS ARE:

F.o.b. Factory with the rail carload rate of freight allowed as maximum on shipments of 200 pounds or more; this allowance not to exceed the lowest volume rate. No freight allowance will be made on shipments of less than 200 pounds.

In no case is this allowance to be in excess of the actual freight paid.

*MULTIFIN CONVECTORS AND ENCLOSURES

On shipments of Arco Multifin Convector with or without enclosures, weighing 10,000 pounds or more, actual freight charge will be allowed; this allowance not to exceed the rail rate.

No freight allowance will be made on shipments of Repair Parts.

On orders for shipment to any point not in the 48 United States, or the District of Columbia, freight allowances will be those applicable to the port of export only.

Above allowances will not include any additional charges not included in road haul rates for services performed by carrier at destination, such as detention of carrier's equipment, redeliveries, etc. Any such additional charges will be for account of the wholesale distributor.

We reserve the choice of transportation facilities and shipping point.

Freight allowances are subject to change without notice.

AMERICAN & **Standard**
RADIATOR & **Sanitary**
CORPORATION
Pittsburgh 30, Pa.

April 11, 1950

No. GSD-69
(canceling GSD-11,
dated Febr. 28, 1949)

American Radiator
& Stand. Sanitary Corp.
RECEIVED
APR 13 1950

I. H. R.

TO SALES OFFICE MANAGERS:

Included herein is supplementary price information for Radiator Heating Equipment on the basis of Price Book RH-10, dated April 10, 1950.

Please note Trade Prices for certain Enclosure Extras are included herein. These are shown in Price Book RH-10 as "Price on Application." For your information, type "SW" Special Service Line Enclosures are regularly furnished with #18 gauge tops as well as 18 gauge fronts.

Revised Trade Allowances for certain Boiler jackets are the prices at which current series jackets for these boilers will be invoiced when sold separately. For your convenience, we have included current trade prices on Model M Arcoflame Oil Burners.

GENERAL SALES DEPARTMENT

April 11, 1950

WATER TUBE BOILERS (Unjacketed)
No. 29 and No. 36 "T" Type-For Anthracite Coal Burning
only

<u>Boiler Number</u>	<u>Installed Radiation Sq. Ft.</u>	<u>HAND FIRED</u>		<u>Trade Prices</u>	<u>Approx. Shipping Weight</u>
		<u>Gross Output MBH</u>			
<u>No. 29 WATER TUBE BOILER</u>					
<u>STEAM</u>					
S-29-T-5	800	403	\$484.00	2685	
S-29-T-6	1000	489	553.00	3105	
S-29-T-7	1200	573	622.00	3499	
S-29-T-8	1400	655	691.00	3893	
S-29-T-9	1600	735	760.00	4297	
<u>WATER</u>					
W-29-T-5	1280	403	472.00	2670	
W-29-T-6	1600	489	541.00	3090	
W-29-T-7	1920	573	610.00	3484	
W-29-T-8	2240	655	679.00	3878	
W-29-T-9	2560	735	748.00	4280	
<u>No. 36 WATER TUBE BOILER</u>					
<u>STEAM</u>					
S-36-T-6	1600	735	730.00	4246	
S-36-T-7	2000	893	841.00	4811	
S-36-T-8	2400	1046	952.00	5386	
S-36-T-9	2800	1192	1063.00	5960	
S-36-T-10	3200	1332	1174.00	6532	
S-36-T-11	3600	1469	1285.00	7107	
S-36-T-12	4000	1599	1396.00	7648	
S-36-T-13	4400	1726	1507.00	8162	
<u>WATER</u>					
W-36-T-6	2560	735	717.00	4229	
W-36-T-7	3200	893	828.00	4797	
W-36-T-8	3840	1046	939.00	5371	
W-36-T-9	4480	1192	1050.00	5945	
W-36-T-10	5120	1332	1161.00	6517	
W-36-T-11	5760	1469	1272.00	7091	
W-36-T-12	6400	1599	1383.00	7635	
W-36-T-13	7040	1726	1494.00	8149	

April 11, 1950

WATER TUBE BOILERS (Unjacketed) Continued
No. 29 and No. 36 "T" Type-for Anthracite Coal Burning Only
HAND FIRED

Anthracite Coal Burning Water Tube
 Boilers are regularly furnished with
 trimmings and equipment as follows:

STEAM: Steam gauge, safety
 valve, gauge glass and
 trimmings, try cocks,
 automatic damper regulator
 and firing tools.

WATER: Firing tools.

Trade Prices, Ratings and Shipping
 Weights are as shown on previous sheet.

Regular Wholesalers' Discount and Freight Conditions
 apply.

* * * * *

STOCK ORDERS FOR BOILER REPAIR PARTS

	<u>Wholesalers'</u> <u>Net Price</u>
Grate Bars and Grate Parts shipped in lots of 500 pounds or more	13 $\frac{1}{2}$ ¢ per lb.
Plate Work shipped in lots of 500 pounds or more	17¢ per lb.
Grate Bars, Grate Parts, and Platework may be combined for quantity lot price.	

Regular Repair Part prices for items included in "Catalog
 of Parts for Ideal Boilers - 1936 Edition" and supplements
 thereto will apply to job orders, stock shipments of less
 than 500 pounds, and cored castings in any quantity.

Regular Freight Conditions apply.

<u>TRADE ALLOWANCES ON BOILER JACKETS</u>			
<u>Allowance</u>		<u>Allowance</u>	
<u>Boiler</u>	<u>for Jacket</u>	<u>Boiler</u>	<u>for Jacket</u>
<u>Number</u>	<u>Trade Price</u>	<u>Number</u>	<u>Trade Price</u>
<u>ARCOLINER</u>		<u>SEVERN</u>	
(Wet and Dry Base)			
153	\$25.00	17	\$29.00
154	26.00	21	31.00
155	27.00	25	33.00
156	28.00	29	35.00
		33	37.00
		37	39.00
<u>OAKMONT</u>		<u>EXBROOK</u>	
84	\$54.00	207	\$39.00
85	56.00	208	42.00
86	58.00	209	45.00
87	60.00	2010	48.00
88	62.00	2011	51.00
89	64.00	2012	54.00

Trade Prices of Unjacketed Boilers, arrived at by deducting the above allowances, are subject to regular Wholesalers' Discounts.

Any Jackets for the above boilers, of current series, sold separately will be invoiced at Trade Prices as indicated, subject to regular Wholesalers' Discount.

* * * * *

TACO OPENING COVER PLATES

When Wide Back Arcoliner (Wet Base), Oakmont, "T" Type Severn, and "T" Type Exbrook Boilers or Boiler-Burner Units are ordered Less Biltin Taco Water Heaters, Taco opening cover plates will be furnished only if specified on order; regular Repair Parts Prices apply.

April 11, 1950

ALLOWANCE FOR BOILER PARTS OMITTED

<u>ITEM</u>	<u>NET ALLOWANCE</u>
3-1/2" Steam Gauge - - - - -	\$1.00
4-1/2" " " - - - - -	1.25
3-1/2" Combination Altitude Gauge and Thermometer - - - - -	1.65
#905 Steam Regulator - - - - -	4.25
#305 Steam Regulator - - - - -	3.50
#801 Water Regulator - - - - -	3.70
Water Column Trimmings Complete, All Boilers	2.15

Pop Safety Valves

3/4" - - - - -	.95
1" - - - - -	1.10
1-1/4" - - - - -	1.55
1-1/2" - - - - -	2.30
2" - - - - -	4.20
2-1/2" and 3" - - - - -	5.50

For the omission of firing tools, an allowance of 25% of the list price will be made.

PER POUND ALLOWANCE FOR CAST IRON PARTS

Plate Work - - - - -	\$.07 per pound
Cored Castings - - - - -	.06 per pound
Grate Bars - - - - -	.05 per pound

ABOVE ALLOWANCES ARE NET TO WHOLESALE AND SHOULD BE DEDUCTED FROM NET AMOUNT OF INVOICE.

April 11, 1950

Models M and MF-A Arcoflame Oil Burners (for use on 115 Volt 60 Cycle A.C., complete with Standard Arcoflame Control Set and Nozzle):

With Control Set Number	Trade Prices
11 - - - - -	\$119.00
12 - - - - -	127.25
13 - - - - -	119.00
14 - - - - -	119.00
15 - - - - -	136.00
16 - - - - -	144.40
19 - - - - -	119.00
20 - - - - -	126.00

Regular Wholesalers' Discount, and Freight Conditions apply.

OBSOLETE RADIATION
TRADE PRICES PER SQUARE FOOT

<u>Pattern</u>	<u>Width</u>	<u>Height Inches</u>	<u>Trade Prices per sq. ft.</u>
*Corto	3,4,5,6 Tube	38)	\$1.25
	3,4,5 Tube	32)	
	3,4,5,6 Tube	26)	
	3,4,5 Tube	23)	
	3,4,5,6,7 Tube	20)	
	7 Tube	14)	
*Corto Hospital	3,5 Tube	38)	1.25
	3,5 Tube	32)	
	3,5 Tube	26)	
	3,5 Tube	23)	
	3,5 Tube	20)	
*Arco (1½" Cent- ers)	6 Tube	32)	1.25
	3,4,6 Tube	25)	
	3,4 Tube	22)	
	3,4,6 Tube	19)	
<u>Type</u>			
*Peer- less Wall	4½ sq. ft. Bathroom)		1.25
	11 sq. ft. A Pattern)		
	8 sq. ft. A Pattern)		
	6 sq. ft. A Pattern)		

(*) IF AVAILABLE - Repair Sections Only.

April 11, 1950

Supplement to: **ENCLOSURE EXTRAS-Special Service Line ONLY**Applicable to Enclosures for both Arce Cast Iron Convector
and Arco Multifin ConvectorSpecial Requirements: *Trade Prices
Per sq. ft.Heavier Gauge Fronts: per sq. ft. of Enclosure output:

No. 16 Gauge	-----	\$0.02
No. 14 Gauge	-----	.04
No. 12 Gauge	-----	.06

Note No. 1: Nos. 16, 14 and 12 Gauge Fronts can be furnished only with 3/4" Stamped Square Lattice Type Grilles.

Note No. 2: Where top and front of Type "SW" are to be of the same gauge, only the "Front" extra charge applies.

Heavier Gauge Linings: per sq. ft. of Enclosure output:

No. 18 Gauge	-----	.03
No. 16 Gauge	-----	.04
No. 14 Gauge	-----	.06

Asbestos Aircell Insulation: Per sq. ft. of Enclosure output:

1/4" Thick - Back only	-----	.05
Back, Ends and Top	-----	.08
1/2" Thick - Back only	-----	.08
Back, Ends and Top	-----	.12

Asbestos Millboard Insulation: per sq. ft. of Enclosure output:

1/4" Thick - Back only	-----	.09
Back, Ends and Top	-----	.15
1/2" Thick - Back only	-----	.13
Back, Ends and Top	-----	.20

NOTE: Asbestos Aircell is furnished when insulation is specified; if desired, wood fiber board (Celotex or equal) can be furnished at the same price as Asbestos Aircell.

Asbestos Aircell is secured to enclosure by means of Steel Clips; Asbestos Millboard is secured by means of Rivets and Washers.

(*) NOTE: These "Trade Prices per sq. ft." are in addition to "Per sq. ft." combination prices shown in Price Book RH-10, dated April 10, 1950.

Regular Wholesalers' Discount, and Freight Conditions apply.

April 11, 1950

REPAIR PARTS FOR ARCO CAST IRON CONVECTORS

	<u>Bogey Footage</u>	<u>Net Wholesaler Price</u>
7-1/2" L x 1-7/8" W x 6" H finned sections	2.3	\$1.56
10" L x 1-7/8" W x 6" H finned sections	3.1	1.94
Headers for #3 (3-3/4" Wide) 2 row	.7	2.58
Headers for #5 (5-5/8" Wide) 3 row	1.0	3.02
Headers for #7 (7-5/8" Wide) 4 row	1.2	3.52
Headers for #9 (9-1/2" Wide) 5 row	1.4	3.77
Nipples - - (Use current price)		-
Spacer Bars		.15
Tie Bolts		.15
Standard Legs 3/8" Diameter - STANDARD LENGTH		.16

Freight Terms: F.o.b. Factory, no freight allowance.

GENERAL SALES DEPARTMENT

American Radiator
& Standard Supply Co., Inc.
APR 13 1950

April 11, 1950
GSD-36 70
(Canceling GSD-36
dated Oct. 14, 1949)

TO SALES OFFICE MANAGERS:

Included herein is supplementary price information for Sunbeam Gravity Furnaces and Winter Air Conditioners on the basis of Price Book SE-5 dated April 1, 1950.

Please note the inclusion of Trade Prices for Models M-S and MF-S Arcoflame Oil Burners, Blower Units less cabinet and filters, and Side and Bottom Return Air Filter Frame Cartons for Wyandotte and Winterglo Winter Air Conditioners.

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The following Trade Prices apply on all orders for new replacement motors until further notice:

<u>Description</u>	<u>Trade Prices</u>
1/6 hp Split Phase, 115 Volt, 60 Cycle	\$16.50
1/4 hp " " " " " "	18.00
1/3 hp " " " " " "	22.25
1/3 hp Capacitor, Single Phase, 115/230 Volt, 60 Cycle	29.50
1/2 hp Capacitor, Single Phase, 115/230 Volt, 60 Cycle	41.75
3/4 hp Capacitor, Single Phase, 115/230 Volt, 60 Cycle	52.50

Current Wholesalers' Discounts of 20-5% apply to the above Trade Prices. Motors are f.o.b. factory, no freight allowed.

The following deduction from Trade Price of Unit is allowed when the standard motor is omitted:

<u>1/6 hp</u>	<u>1/4 hp</u>	<u>1/3 hp</u>	<u>1/2 hp</u>	<u>3/4 hp</u>
\$10.00	\$11.00	\$14.00	\$28.00	\$36.00

GSD-70

- 2 -

April 11, 1950

The standard size motor furnished with each type of Sunbeam Unit is indicated in catalogues and literature. Normally, a split phase motor is furnished in 1/6, 1/4, and 1/3 horsepower sizes. The larger motors are capacitor type. All standard motors are rubber mounted and have overload protection.

When necessary to substitute a larger motor, add the difference between the price of the standard motor and the price of the size required to the Trade Price of the Sunbeam Unit.

Motors for use on 115 Volt, 60 Cycle A.C. are standard with Sunbeam Units.

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Models M-S and MF-S Arcoflame Oil Burners (for use on 115 Volt, 60 Cycle A.C., complete with Standard Arcoflame Control Set and Nozzle):

<u>With Control Set Number</u>	<u>Trade Prices</u>
19 (411-CH Thermostat & Limit Switch)	\$119.00
20 (411-CH Thermostat & Fan and Limit Control)	126.00

Regular Wholesalers' Discount and Freight Conditions apply.

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Sunbeam Blower Units less Cabinet and Filters:

<u>Unit Number</u>	<u>Trade Prices</u>
D-1-9	\$49.00
D-1-10 $\frac{1}{2}$	54.00
D-1-12	60.00
D-1-15	96.00
1-18-FB	137.00
1-21-FB	183.00

Regular Wholesalers' Discount and Freight Conditions apply.

April 11, 1950

Side and Bottom Return-Air Filter Frame
Cartons for Winter Air Conditioners

<u>Unit No.</u>	<u>Filter Frame Carton Complete for:</u>	<u>Trade Prices</u>
SUA-55	Side Return-Air Inlet	\$ 6.80
	Bottom Return-Air Inlet	8.90
SUA-70	Side Return-Air Inlet	6.70
	Bottom Return-Air Inlet	11.30
SUA-85	Side Return-Air Inlet	6.70
	Bottom Return-Air Inlet	11.60
SUA-105	Side Return-Air Inlet	6.70
	Bottom Return-Air Inlet	11.90
Winterglo	Side Return-Air Inlet	6.30
	Bottom Return-Air Inlet	8.90

Wholesalers' Discount of 20-5% applies to the above Trade Prices. Regular Sunbeam Freight Conditions apply.

NOTE: The above Filter Frame Cartons are complete shipping units, consisting of filter frame, filter, cover plate (as required for closing side opening), and miscellaneous accessories, which permit the conversion of units from one filter arrangement to another simply by furnishing the proper filter carton.

These Filter Frame Cartons are priced for the convenience of the wholesaler to permit maximum flexibility of stocks, and orders for them should include the following information (for example):

"1 Filter Frame Carton complete for converting
No. SUA-55 Wyandotte from side to bottom
return air arrangement."

GENERAL SALES DEPARTMENT