ARSS 2312

AMERICAN RADIATOR & Standard Sanitary CORPORATION

PLAINTIFF'S EXHIBIT

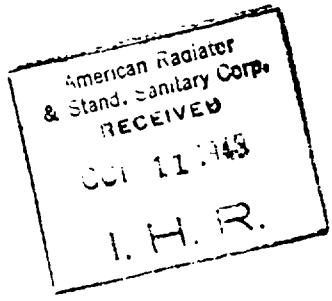
ASI-710

GENERAL SALES DEPARTMENT

P. O. Box 1226
PITTSBURGH 30, PA.

October 8, 1948

Q-100834-KJS



TO SALES OFFICE MANAGERS:

We are attaching hereto a supplementary page of "Shipping Details" covering No. 4-G Standard Gas Boilers. This page should be inserted in "Shipping Details - Sections and Parts Comprising American Boilers" forwarded with our Bulletin Letter of February 6, 1948, reference Q-20609-KJS.

Additional copies of the enclosed page may be secured from the Advertising Department by listing requirements on Requisition Form ARSS 35. One copy should be filed with each holder of "Shipping Details" booklet.

Yours very truly,

Jos. Salamone

Jos. Salamone, Manager
General Sales Department

Supplement to

SHIPPING DETAILS — Sections and Parts Comprising AMERICAN BOILERS

4-G STANDARD GAS BOILERS

Sections and Parts Required

Steam and Water — **Series 6B-J8**

Complete Boilers Consist of Following Units:	Number of Units for Each Boiler																	
	4-G-6	4-G-7	4-G-8	4-G-9	4-G-10	4-G-11	4-G-13	4-G-15	4-G-17	4-G-19	4-G-21	4-G-22	4-G-25	4-G-28	4-G-31	4-G-33	4-G-37	4-G-41
Right Hand End Section—Casting No. 4-G-1011—Unerated ...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Center Section—Casting No. 4-G-1009—Unerated	4	5	6	7	8	9	10	12	14	16	18	18	21	24	27	28	32	36
Intermediate Leg Section 10¼" Wide—Casting No. 4-G-1013-1014—Unerated	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	3	3	3
Left Hand End Section—Casting No. 4-G-1010—Unerated	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Platework Box — Nat., Mixed or Mfd. Contents listed on following pages	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4
Burner and Pilot Box — Nat., Mixed or Mfd. Contents listed on following pages	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
Burner Box—Nat., Mixed or Mfd. Contents listed on following pages	0	0	0	0	0	0	2	2	2	2	2	3	3	3	3	4	4	4
Pilot Line Box—Nat., Mixed or Mfd. Contents listed on following pages	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
Trim Box—Steam — Or — Trim Box—Water Contents listed on following pages.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gas Valve—Carton	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4
Each Contains—																		
For Steam: No. 566-VS, Size ...	1½"	1½"	1½"	1½"	1½"	1½"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
For Water: No. 566-VW, Size ..	1½"	1½"	1½"	1½"	1½"	1½"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Gas Pressure Regulator—Carton — Each Contains Gas Pressure Regulator, Size	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	2"	2"	2"	2"	2½"	2½"	2½"	2½"	2½"	3"	3"	2½"	2½"	2½"	2½"	3"	3"	3"
Jacket Crate— Contents listed on following pages	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3
Canopy and Frame Crate	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4
Draft Hood and Extension Carton—Each Contains: 1 Draft Hood, 1 Extension Pipe } Size	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	4
	11"	12"	13"	14"	15"	16"	12"	13"	14"	15"	16"	13"	14"	15"	16"	14"	15"	16"

Casting Numbers are shown on all Sections.

Shipping Units are marked for Boiler Size and Series Number.

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See following pages for Contents of Boxes and Crates included in above list.

4-G STANDARD GAS BOILERS

Contents of Boxes and Crates as listed on page 35

PLATEWORK BOX for No. 4-G-6 to No. 4-G-11, Inclusive

	Description of Parts
2	Assembly Blocks (#3-A-67)
1	Cleaning Tool Handle
1	Flue Brush
1	¾" Drain Cock
1	Bag Small Parts
1	Nipple Gauge
2	Burner Supports
2	Baffle Plates
2	Panel Frames
4	Manifold Bracket Assemblies
2	Removable Panels (one with Series Plate)

Boiler Number	Nipples 4"	Nipples 6"	Boiler Putty	Red Oxide	Tie Rods	Filler Plates	Cleanout Plates
4-G-6	10	5	5 lbs.	1 pt.	3—26¼"	5	5
4-G-7	12	6	5 lbs.	1 pt.	3—30¼"	6	6
4-G-8	14	7	6 lbs.	1 pt.	3—34¼"	7	7
4-G-9	16	8	6 lbs.	1½ pts.	3—38¼"	8	8
4-G-10	18	9	7 lbs.	1½ pts.	3—42¼"	9	9
4-G-11	20	10	7 lbs.	1½ pts.	3—46¼"	10	10

	Description of Parts
	Manifolds — Loose Parts:
2	Manifold Assemblies with Cocks or Spud Holders
1	1½" Union
4	1½" Close Nipples
1	1½" x 5¼" Nipple (TOE)
1	2" x 1½" x 1½" Tee
1	1½" Adjustable Elbow
1	1½" x 44¾" Nipple (TOE)
1	5" Ctsk. Pipe Plug
1	6" Ctsk. Pipe Plug
2	2" x 7" Nipples — 6-7-8-9 Sect.
1	2" x 2" x ¼" Tee — 6-7-8-9 Sect.
1	2" x 7" Nipple — 10 and 11 Sect.
1	2½" x 7" Nipple — 10 and 11 Sect.
1	2½" x 2" Bushing — 10 and 11 Sect.
1	2½" x 2½" x ¼" Tee — 10 and 11 Sect.

PLATEWORK BOXES for No. 4-G-13 to No. 4-G-41, Inclusive

Boiler Number	Nipples 4"	Nipples 6"	Boiler Putty	Red Oxide	Tie Rods	Filler Plates and Cleanout Plates	Burner Supports	Burner Baffles
4-G-13	24	12	10 lbs.	1½ pts.	7—30¼"	12 each	4	4
4-G-15	28	14	12 lbs.	1 qt.	7—34¼"	14 each	4	4
4-G-17	32	16	12 lbs.	1 qt.	7—38¼"	16 each	4	4
4-G-19	36	18	14 lbs.	1 qt.	7—42¼"	18 each	4	4
4-G-21	40	20	14 lbs.	1 qt.	7—46¼"	20 each	4	4
4-G-22	42	21	18 lbs.	1 qt.	10—34¼"	21 each	6	6
4-G-25	48	24	18 lbs.	1 qt.	10—38¼"	24 each	6	6
4-G-28	54	27	21 lbs.	1 qt.	10—42¼"	27 each	6	6
4-G-31	60	30	21 lbs.	1 qt.	10—46¼"	30 each	6	6
4-G-33	64	32	24 lbs.	1 qt.	13—38¼"	32 each	8	8
4-G-37	72	36	28 lbs.	1½ qts.	13—42¼"	36 each	8	8
4-G-41	80	40	28 lbs.	1½ qts.	13—46¼"	40 each	8	8

Boiler Number	Front and Back: Panel Frames	Front and Back: Removable Panels	Assemblies: Manifold and Parts	Assemblies: Manifold Brackets	Burner Support Brackets
4-G-13	4	4	4-W/6 Cocks or Spud Holders	8	4
4-G-15	4	4	4-W/7 Cocks or Spud Holders	8	4
4-G-17	4	4	4-W/8 Cocks or Spud Holders	8	4
4-G-19	4	4	4-W/9 Cocks or Spud Holders	8	4
4-G-21	4	4	4-W/10 Cocks or Spud Holders	8	4
4-G-22	6	6	6-W/7 Cocks or Spud Holders	12	8
4-G-25	6	6	6-W/8 Cocks or Spud Holders	12	8
4-G-28	6	6	6-W/9 Cocks or Spud Holders	12	8
4-G-31	6	6	6-W/10 Cocks or Spud Holders	12	8
4-G-33	8	8	8-W/8 Cocks or Spud Holders	16	12
4-G-37	8	8	8-W/9 Cocks or Spud Holders	16	12
4-G-41	8	8	8-W/10 Cocks or Spud Holders	16	12

No. of Sections	Pcs. Per Boiler	Description of Parts
13 to 21	1	Adjustable Elbow
22 to 41	2	Adjustable Elbows
13 to 21	4	2" Close Nipples
22 to 41	8	2" Close Nipples
13 to 21	1	2" x 5¾" Nipple (TOE)
22 to 41	2	2" x 5¾" Nipples (TOE)
13 to 21	1	2" x 44½" Nipple (TOE)
22 to 41	2	2" x 44½" Nipples (TOE)
13 to 17	2	2½" x 7" Nipples
19 to 21	1	2½" x 7" Nipple
22 to 31	4	2½" x 7" Nipples
33 to 41	2	2½" x 7" Nipples
19 to 21	1	3" x 7" Nipple
33 to 41	2	3" x 7" Nipples
13 to 21	1	2½" x 2" x 2" Tee
22 to 41	2	2½" x 2" x 2" Tees
13 to 17	1	2½" x 2½" x ¼" Tee
22 to 31	2	2½" x 2½" x ¼" Tees
19 to 21	1	3" x 3" x ¼" Tee
33 to 41	2	3" x 3" x ¼" Tees
19 to 21	1	3" x 2½" Bushing
33 to 41	2	3" x 2½" Bushings

3	Assembly Blocks (#3-A-67)
3	Assembly Clamp Blocks (#9374)
1	Cleaning Tool Handle
1	Flue Brush
1	¾" Drain Cock
2	Bags Small Parts
1	Nipple Gauge
1	Series Plate (attached to panel)
1	2" Female Union (13 to 21)
2	2" Female Unions (22 to 41)
2	5" Ctsk. Pipe Plugs
2	6" Ctsk. Pipe Plugs

4-G STANDARD GAS BOILERS

Contents of Boxes and Crates as listed on page 35

BURNER AND PILOT LINE BOXES

BURNER & PILOT LINE BOX for No. 4-G-6 to No. 4-G-11, Inclusive

	Description of Parts
2	Pilot Fitting Assemblies (Mfd. or Nat. as req'd)
1	Pilot Line Assembly
1	1/4" Gas Press. Regulator
3	Lengths 1/4" O.D. x 60" Alum. Tubing
1	Bag Small Parts

No. of Sections	6	7	8	9	10	11
Mix. Tube Assemblies	10	12	14	16	18	20
Burners	10	12	14	16	18	20

PILOT LINE BOX for No. 4-G-13 to No. 4-G-41, Inclusive

Boiler Number	Description of Parts: Pilot Fitting Assembly Mfd. or Nat.	Thermostatic Pilot Line L.H. & R.H.	Plain Pilot Line L.H. & R.H.	1/4" O.D. Alum. Tubing 60" Long	Pilot Regulator Assembly
4-G-13	2	1-L.H.	1-L.H.	4 pcs.	1-L.H. Assembly for 13 to 21 Sections
4-G-15	2	1-L.H.	1-L.H.	4 pcs.	
4-G-17	2	1-L.H.	1-L.H.	4 pcs.	
4-G-19	2	1-L.H.	1-L.H.	4 pcs.	
4-G-21	2	1-L.H.	1-L.H.	4 pcs.	
4-G-22	4	1-L.H.; 1-R.H.	1-L.H.	7 pcs.	1-L.H. and 1-R.H. Assembly for 22 to 41 Sections
4-G-25	4	1-L.H.; 1-R.H.	1-L.H.	7 pcs.	
4-G-28	4	1-L.H.; 1-R.H.	1-L.H.	7 pcs.	
4-G-31	4	1-L.H.; 1-R.H.	1-L.H.	7 pcs.	
4-G-33	4	1-L.H.; 1-R.H.	1-L.H.; 1-R.H.	8 pcs.	
4-G-37	4	1-L.H.; 1-R.H.	1-L.H.; 1-R.H.	8 pcs.	
4-G-41	4	1-L.H.; 1-R.H.	1-L.H.; 1-R.H.	8 pcs.	

One bag small parts per boiler.

BURNER BOX for No. 4-G-13 to No. 4-G-41, Inclusive

Boiler Number	4-G-13	4-G-15	4-G-17	4-G-19	4-G-21	4-G-22	4-G-25	4-G-28	4-G-31	4-G-33	4-G-37	4-G-41
Mixer Tube Assemblies	24	28	32	36	40	42	48	54	60	64	72	80
Main Burners	24	28	32	36	40	42	48	54	60	64	72	80

TRIM BOX — STEAM for No. 4-G-6 to No. 4-G-11, Inclusive

	Description of Parts
1	#62000 Low Water Cut-off
1	Set #698-6 5/8 Wtr. Col. Trim
1	4 1/2" P & V Steam Gauge
2	1" x 3 1/2" Nipples
1	1" x 2" Nipple
1	1" Union Tee (union on outlet)
1	1" Union Elbow
1	1" x 17 1/2" Nipple
2	Lengths 1/4" O.D. x 12 ft. Alum. Tubing
1	Length 5/8" O.D. x 12 ft. Copper Tubing
1	2 1/2" x 4" Nipple
1	2 1/2" x 2" Elbow
1	Safety Valve (1 1/2" or 2" as req'd)
1	2" x 1 1/2" Flush Bush. (6 & 7 only)
1	Bag Fittings

TRIM BOX — STEAM for No. 4-G-13 to No. 4-G-41, Inclusive

Required per Blr. 13 to 21 Sects.	Required per Blr. 22 to 41 Sects.	Description of Parts
1	2	#62000 L.W. Cut-off
1	1	#698-6 5/8 Wtr. Col. Trim
1	1	4 1/2" P&V Steam Gauge
2	4	1" x 3 1/2" Nipples
1	2	1" x 2" Nipples
1	2	1" Union Tee (union on outlet)
1	2	1" Union Elbow
1	2	1" x 17 1/2" Nipple
2	4	Lengths 1/4" O.D. x 12 ft. Alum. Tubing
1	2	Lengths 5/8" O.D. x 12 ft. Copper Tubing
1	—	2 1/2" Ctsk. Plug
—	1	3" Ctsk. Plug
—	1	2 1/2" x 1" Flush Bushing
1	1	Bag of Fittings
1 or 2 as Req'd		Safety Valve
1 or 2 as Req'd		Safety Valve Bushing

TRIM BOX — WATER

Required Per Boiler 6 to 11 Sects.	13 to 21 Sects.	22 to 31 Sects.	33 to 41 Sects.	Description of Parts
1	1	1	1	3 1/2" Combination Altitude Gauge and Thermometer
1	1	1	1	2 1/2" Countersunk Pipe Plug
0	1	2	3	3" Countersunk Pipe Plug
1	1	1	1	Bag Fittings

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4-G STANDARD GAS BOILERS

Contents of Boxes and Crates as listed on page 35

JACKET CRATE for No. 4-G-6 to No. 4-G-21, Inclusive

Required per Boiler		Description of Parts	Required per Boiler		Description of Parts
6 to 11 Sects.	13 to 21 Sects.		6 to 11 Sects.	13 to 21 Sects.	
1	1	Right Side Panel—Front Half—with Insulation	0	1	Left Front Panel with Insulation
1	1	Right Side Panel—Rear Half—with Insulation	0	1	Left Rear Panel with Insulation
1	1	Left Side Panel—Front Half—with Insulation	4	6	Cover Plate Assemblies
1	1	Left Side Panel—Rear Half—with Insulation	4	4	Corner Keys
1	0	Front Panel with Insulation	0	2	Center Lower Keys (1 Front and 1 Rear)
1	0	Rear Panel with Insulation	0	2	Canopy Keys
0	1	Right Front Panel with Insulation	1	1	Bag Screws
0	1	Right Rear Panel with Insulation			

JACKET CRATES for: No. 4-G-22 to No. 4-G-31, Inclusive (1 of 2) No. 4-G-33 to No. 4-G-41, Inclusive (1 of 3)

Required per Boiler		Description of Parts	Required per Boiler		Description of Parts
22 to 31 Sects.	33 to 41 Sects.		22 to 31 Sects.	33 to 41 Sects.	
1	1	Right Side Panel—Front Half—with Insulation	1	1	Right Rear Panel with Insulation
1	1	Right Side Panel—Rear Half—with Insulation	1	1	Left Rear Panel with Insulation
1	1	Left Side Panel—Front Half—with Insulation	6	6	Cover Plate Assemblies
1	1	Left Side Panel—Rear Half—with Insulation	4	4	Corner Keys
1	1	Right Front Panel with Insulation	2	2	Center Lower Keys (1 Front and 1 Rear)
1	1	Left Front Panel with Insulation	2	2	Canopy Keys
			1	1	Bag Screws

JACKET CENTER PANEL CRATES for: No. 4-G-22 to No. 4-G-31, Inclusive (2 of 2) No. 4-G-33 to No. 4-G-41, Inclusive (2 of 3)

Required per Boiler		Description of Parts	Required per Boiler		Description of Parts
22 to 31 Sects.	33 to 41 Sects.		22 to 31 Sects.	33 to 41 Sects.	
1	1	Right Center Front Panel with Insulation	2	2	Center Lower Keys (1 Front and 1 Rear)
1	1	Left Center Front Panel with Insulation	2	2	Canopy Keys
1	1	Right Center Rear Panel with Insulation	1	1	Bag Screws
1	1	Left Center Rear Panel with Insulation			

JACKET CENTER PANEL CRATE for No. 4-G-33 to No. 4-G-41, Inclusive (3 of 3)

Required per Boiler	Description of Parts	Required per Boiler	Description of Parts
1	Right Center Front Panel with Insulation	2	Center Lower Keys (1 Front and 1 Rear)
1	Left Center Front Panel with Insulation	2	Canopy Keys
1	Right Center Rear Panel with Insulation	1	Bag Screws
1	Left Center Rear Panel with Insulation		