

PACKING & PARTS LIST
(SPECIAL ORDER ONLY)

PFA-5 PRESSURE FIRED BOILER (500)
(WITH G.P. GAS BURNER)
COMPLETE BOILER CONSISTS OF:

FORM BP-1102-PFA5 (1)

- | | | | |
|-----|---|-------------|---|
| 1 | * "FX" Front Section | ... | * Boxes Water Heater, when specified |
| ... | * "C" Center Sections | 1 | Box Jacket |
| ... | * "CT" Center Sects. w/Heater Opening | 1 | * Canopy & C.O. Radiation Shield Box |
| ... | * "CX" Center Sect. w/4" Top Opening | 1 | Jacket Extension Box (when req'd.) |
| 1 | * "BX" Back Section | 1, 2 or 3 | * Boxes Fire Wall Plate(s) |
| 1 | Box Trim - Steam or Water, As req'd. | (As req'd.) | Water Htr. Opening Cover Plates-Spec.Ord. |
| 1 | * Bundle Tie Rods | 1 | G.P. Gas Burner (shipped direct from G P |
| 1 | * Box Burner Plate (4, 5 & 6 Sect Only) | 1 | Control Box, Stm. or Wtr., As Req'd. |
| 1 | * Pressure Relief Door Box | 1 | * Thimble Box |
| 1 | Misc. Box | 1 | Box Low-Water Cut-off (when specified) |

PFA-504 thru PFA-521 BOILERS

SERIES - 1B-J1

NOTE: GIVE BOILER NUMBER, SIZE & SERIES NO. WHEN ORDERING REPAIR PARTS

PLAINTIFF'S EXHIBIT

ASI-688

MISCELLANEOUS BOX - - - CONTENTS ARE AS FOLLOWS:

BOILER SIZE - NUMBER OF SECTIONS:

Code	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
3076 3" Slip Nipple	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
1082 7" Slip Nipple	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
207 3" Nipple Setting Gauge	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1011 30-45 Assy. Draw-Up Block	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1006 #9375 Assy. Draw-Up Block	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1005 #9374 Assy. Draw-Up Block	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1007 #9587 Clamps	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1289 Cleanout Cover Assy. PG-1012-50	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1351 Silastic #90-086 (Tubes Req'd.)	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	11	11	12
1664 Drain Valve, 16-WH-13177	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
210 Series Plate, PG-1012-144 w/	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1469 #6 x 1/4" lg. Ty. "B" Sht Metl. Scws	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Bag of Bolts, Nuts, Etc./Blr. Size (Form BP-1110)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
lt. PFA-5 Blr. Install. Manual (BP-8109)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
lt. Packing List BP-1102-PFA5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
lt. Instruction Sht. #29953	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1053 Nipple Paint 1/2 pt. can	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2

1 BUNDLE OF TIE RODS: (AS REQ'D.) (Code 06509) * 1 BOX - THIMBLE ASSEMBLY

- * (3) 3/4" x 25" lg. for 4 & 13 Sect. Blrs.
- * (3) 3/4" x 31" lg. for 5 & 14 Sect. Blrs.
- * (3) 3/4" x 37" lg. for 6 & 15 Sect. Blrs.
- * (3) 3/4" x 43" lg. for 7 & 16 Sect. Blrs.
- * (3) 3/4" x 49" lg. for 8 & 17 Sect. Blrs.
- * (3) 3/4" x 55" lg. for 9 & 18 Sect. Blrs.
- * (3) 3/4" x 61" lg. for 10 & 19 Sect. Blrs.
- * (3) 3/4" x 67" lg. for 11 & 20 Sect. Blrs.
- * (3) 3/4" x 73" lg. for 12 & 21 Sect. Blrs.
- * (3) 3/4" x 84" lg. for 13 thru 21 Sect.

- 10" #29042 for 4 thru 8 Sections
- 14" #29043 for 9 thru 15 Sections
- 18" #29044 for 16 thru 21 Sections

*** FIRE WALL PLATE BOX - PACKED 1, 2 or 3 PER BOX**

Qty.	Req'd.	Blr. Sects.	Qty.	Req'd.	Blr. Sects.
1		4 & 5 Sects.	4		10 & 11 Se t
2		6 & 7 Sects.	5		12 & 13 Sects.
3		8 & 9 Sects.	6		14 & 21 Se t

* OMIT WHEN SECTIONS ARE ASSEMBLED

DWG. (PG-1012-39) (29368-C)

1 BURNER PLATE ASSEMBLY - Consisting of:

- (1) Burner Plate, PG-1012-36
- (1) Observation Port Cover, DE-5118-7
- (1) " " Shutter, DE-5118-8
- (2) " " Gaskets (1), DE-5118-20
- (1) " " Glass, DE-5118-21
- (1) Shutter Handle S/A, DE-5118-16
- (1) " Spring, DE-5118-18
- (1) " Pin, DE-5118-19
- (1) " Handle Knob, DE-5118-15
- (1) Insulation, PG-1012-38
- (1) Insulation S.S. Heat Shield. #30982

NOTE: (FOR PFA-504 thru PFA-506 BOILERS ONLY)

DWG. (PG-1012-61)

*** 1 PRESSURE RELIEF DOOR ASSEMBLY Consisting of:**

- (1) Door, PG-1012-57/w/1/8"
- (1) Door Gasket, PG-1012-58
- (1) Collar, PG-1012-51
- (1) Spring, PG-1012-62
- (1) Shield, PG-1012-59
- (1) Port Cover, DE-5118-7
- (1) Port Glass, DE-5118-21
- (2) Port Gaskets, (1) DE-5118-20, (1) PG-1012-147
- (1) Collar Gasket, PG-1012-51
- (1) Shield Insulation, PG-1012-130
- (4) Insulation Retainers, PG-1012-129

PFA-504 thru P. -521

SERIES 1B-J1

BP-1102-PFA5

4/6 Rev. 72

Engineering Division
STANDARD INC.

CONTROL BOX, AS REQUIRED (LESS NOZZLES)				CODE NO.	LABEL
STM. BLRS. L/HTR.	-	(1)	PA 404A Pressuretrol	05791	29892
STM. BLRS. W/HTR.	-	(1)	PA 404A Pressuretrol	05791	29893
	-	(1)	L 4006 A Aquastat	05781	
WTR. BLRS. L/HTR.	-	(1)	L 4006 A Aquastat	05781	29890
WTR. BLRS. W/HTR.	-	(1)	L 4006 A Aquastat	05781	29891
		(1)	L 6006 A Operating Control	05004	

SUPPLY TO MATCH "CT" SECTIONS FURNISHED: (Qty. as Req'd.) CODE NO.

- * 1 Box of Water Heater, PG-1012-21 w/
 - (1) Gasket PG-1012-120 06196
 - (6) 3/8"-16 x 1" lg. Hex. Hd. Cap Screws 07457

OR

- * 1 Box Water Heater Opening Cover Plate, PG-1012-60 04038
 - (1) Gasket, PG-1012-120 06196
 - (6) 3/8"-16 x 1" lg. Hex. Hd. Cap Screws 07457

* OMIT WHEN SECTIONS ARE ASSEMBLED!

1 BOX TRIM (STEAM or WATER, AS REQ'D.)

CONTENTS OF WATER TRIM BOX:

- 1 AW-3½-50 Comb. Alt. Gauge & Therm. 06256
- 1 Water Relief Valve w/Bushing, Nipple & Street Elbow, as req'd. (EM 6815 & Sup.)
- 1 Bag Pipe Plugs, etc. (Form BP-1111 PFA-5)

CONTENTS OF STEAM TRIM BOX:

- 1 S-3½-7 P & V Steam Gauge 06252
- 1 #722-8¼" Set of Water Column Trim (20-204) 07882
- 1 Side or Top Outlet Safety Valve w/Nipple & Tee, as req'd. (EM 6622 & Sup.)
- 1 Siphon Angle Pattern, 1/4" Pipe 07729
- 1 3/4" x 1/4" Hex. Reducing Bushing 05450
- 1 Bag Pipe Plugs, etc. (Form BP-1112 PFA-5)

G. & P. GAS BURNERS FOR PFA-5 BOILERS
(SHIPPED DIRECT FROM G & P)

Blr. Size	Burner Model Designation	Blr. Size	Burner Model Designation
PFA-504	R6.2-G - 03-T4-B.12S	PFA-513	R10.9-G - 10-4150A-H.20
PFA-505	R6.2-G - 03-T4-B.12S	PFA-514	R10.9-G - 10-4150A-H.20
PFA-506	R6.2-G - 03-T4-B.12	PFA-515	R10.9-G - 10-4150A-H.20
PFA-507	R8 -G - 05-T4-B.12	PFA-516	R10. -G - 15-4150A-H.25S
PFA-508	R8 -G - 05-T4-B.15	PFA-517	R10. -G - 15-4150A-H.25S
PFA-509	R8 -G - 05-T4-B.15	PFA-518	R10.1-G - 15-4150A-H.25S
PFA-510	R8.1-G - 05-T4-B.20	PFA-519	R10.1-G - 20-4150A-H.25
PFA-511	R8.2-G - 05-4150A-H.20	PFA-520	R10.1-G - 20-4150A-H.25
PFA-512	R8.3-G - 10-4150A-H.20	PFA-521	R10.1-G - 20-4150A-H.25

PFA-504 thru PFA-512

ing and Heating
AMERICAN STANDARD

SERIES 1B-J1

EM BP-1102-PFA
4-69

Rev. 3/72