

RE-RATE KIT INSTRUCTIONS

FOR 5-SECTION OIL FIRED HOT WATER BOILERS

⚠ WARNING

Kit shall be installed by qualified service agency in accordance with manufacturer's instructions and all applicable codes and requirements of authority having jurisdiction. If information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. Qualified service agency is responsible for proper installation of this kit.

⚠ WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel. Failure to follow these instructions could result in death or serious injury.

INSTRUCTIONS

1. Turn off all electrical power to boiler. Close oil supply valve to burner.
2. Select nozzle per Table 2. Install nozzle. Refer to burner manual provided with boiler for additional information.
3. Check and reposition electrode spacing if needed. Reference burner manual for details.
4. Set air band, air shutter, and/or oil pressure per Table 2.
5. Follow Installation, Operation & Maintenance Manual to resume boiler operation. Verify burner operation using proper testing equipment.

TABLE 1 - ALTERNATE INPUT RATE KITS

KIT #	DESCRIPTION	
550004539	RERATE KIT 1.55 TO 1.35 FOR BECKETT, RIELLO, & CARLIN BURNERS	INSTRUCTIONS 615000771
		NOZZLE 1.00-70°B
550004540	RERATE KIT 1.35 TO 1.55 FOR BECKETT, RIELLO, & CARLIN BURNERS	INSTRUCTIONS 615000771
		NOZZLE 1.20-60°B

BCV - BECKETT CHIMNEY VENT
RCV - RIELLO CHIMNEY VENT
CCV - CARLIN CHIMNEY VENT

Table 2a: BECKETT AFG

BOILER MODEL	BURNER MODEL	INPUT RATE [gph]	INSERTION DEPTH	DELANO OIL NOZZLE	PUMP PRESSURE [psi]	LOW FIRE BAFFLE	BURNER HEAD	HEAD SETTING	AIR SHUTTER/BAND	STATIC PLATE
5 SECTION	AFG50MDASN	1.35	2-1/2"	1.00-70°B	175	NO	V1	2	9/0	2-3/4"
5 SECTION	AFG50MDASN	1.55	2-1/2"	1.20-60°B	170	NO	V1	3	10/2	2-3/4"

Table 2b: CARLIN EZ-1HP

BOILER MODEL	BURNER MODEL	INPUT RATE [gph]	INSERTION DEPTH	DELANO OIL NOZZLE	PUMP PRESSURE [psi]	HEAD BAR	AIR SETTING
5 SECTION	EZ-1HP	1.35	2-1/4"	1.10-60°B	150	1.10/1.25	75%
5 SECTION	EZ-1HP	1.55	2-1/4"	1.25-60°B	155	1.10/1.25	90%

Table 2c: RIELLO 40F5

BOILER MODEL	BURNER MODEL	INPUT RATE [gph]	INSERTION DEPTH	DELANO OIL NOZZLE	PUMP PRESSURE [psi]	TURBULATOR SETTING	AIR SHUTTER SETTING
5 SECTION	40F5	1.35	2-1/4"	1.10-60°B	200	2	3.5
5 SECTION	40F5	1.55	2-1/4"	1.25-60°B	150	4	2.9

NOTE: All burners operate at over-fire draft of -0.02 inches w.c. Burner settings provided are intended for initial start up only. Final adjustment must be made using combustion test instruments.



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