

## Burner Installation Instructions LRF

### ⚠ WARNING

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read these instructions and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with furnace.

2. Setup burner for desired firing rate per charts below. Insure burner electrodes remain aligned per burner manufacturer's specification.
3. Place burner mounting gasket on burner mounting studs on furnace.
4. Place burner on burner mounting studs on furnace.
5. Install furnished 3/8"-16 flange nuts on studs.
6. Connect 6 pole burner wiring plug to 6 pole receptacle on front of furnace.
7. Highlight installed model/firing rate on Alternate Input Chart on furnace rating plate.
8. Burner installation is complete.
9. Follow startup and adjustment procedures in Installation, Operation and Maintenance manual provided with furnace.

### Installation Procedure

1. Burner is factory equipped for 0.65 USGPH firing rate. If desired firing rate then burner setup is complete. Go to step 3.

### BECKETT AFG70MPSS PRELIMINARY OIL BURNER SETTINGS

Furnace Model	Firing Rate [USGPH]	Firing Rate [BTU/Hr]	Output [BTU/Hr]	Delavan Nozzle	Pump Pressure [PSIG]	Head	Air Setting
LRF65 LRFV65	0.55	77,000	66,000	0.50-45°W	140	L2	4
LRF80 LRFV80	0.65	91,000	78,000	0.50-45°W	175	L2	5
LRF90 LRFV90	0.75	105,000	89,000	0.60-60°W	175	L2	7
LRF100 LRFV100	0.85	119,000	100,000	0.65-60°W	175	L2	8

### RIELLO 40F3 PRELIMINARY OIL BURNER SETTINGS

Furnace Model	Firing Rate [USGPH]	Firing Rate [BTU/Hr]	Output [BTU/Hr]	Delavan Nozzle	Pump Pressure [PSIG]	Head Setting	Air Setting
LRF65RF LRFV65RF	0.55	77,000	66,000	0.50-90°B	125	0	1.6
LRF80RF LRFV80RF	0.65	91,000	77,000	0.55-80°B	140	0	2.1
LRF90RF LRFV90RF	0.75	105,000	88,000	0.65-80°B	133	1	2.5
LRF100RF LRFV100RF	0.85	119,000	99,000	0.75-80°B	128	2	3.0

### CARLIN EZ-LF PRELIMINARY OIL BURNER SETTINGS

Furnace Model	Firing Rate [USGPH]	Firing Rate [BTU/Hr]	Output [BTU/Hr]	Delavan Nozzle	Pump Pressure [PSIG]	Air Band	Head Bar	Air Setting
LRF65C LRFV65C	0.55	77,000	66,000	0.50-70°B	125	Single Slot	0.60/0.65	35%
LRF80C LRFV80C	0.65	91,000	78,000	0.50-70°B	170	Single Slot	0.60/0.65	65%
LRF90C LRFV90C	0.75	105,000	89,000	0.65-70°B	135	Two Slot*	0.75	45%
LRF100C LRFV100C	0.85	119,000	100,000	0.65-70°B	170	Two Slot*	0.85/1.00	45%

\* Burner is factory equipped with single slot air band. Replace with furnished two slot air band for 0.75 and 0.85 USGPH firing rates.

Above settings are preliminary settings only. Final adjustments must be made using combustion test instruments as outlined in the Installation, Operation, and Maintenance manual provided with furnace.