

## Product Sheet

### Description

In the AFG burner, technically advanced components meet increased demand for improved burner performance in high-efficiency appliances and modern well-insulated homes. These advanced components are available on our B2000 series chassis and on a growing number of OEM appliances. The AFG's performance-enhancing features will help you meet today's toughest heating system challenges.

#### Advanced Components

- GeniSys Burner Control
- CleanCut Pump
- Beckett Igniter
- PSC Motor
- Beckett Sound Cover (optional)



### Specifications

#### Capacity

- 0.40 - 3.00 GPH
- 56,000 - 420,000 btu/hr input

#### Fuels

- No.1 or No.2 heating oil (ASTM D396) only

#### Dimensions (standard)

- Height: 11-1/2"
- Width: 12-7/8"
- Depth: 6-9/16" (chassis only)

#### Dimensions (with cover)

- Height: 12-1/2"
- Width: 15"
- Depth: 9-1/4"
- Airtube Diameter: 4"

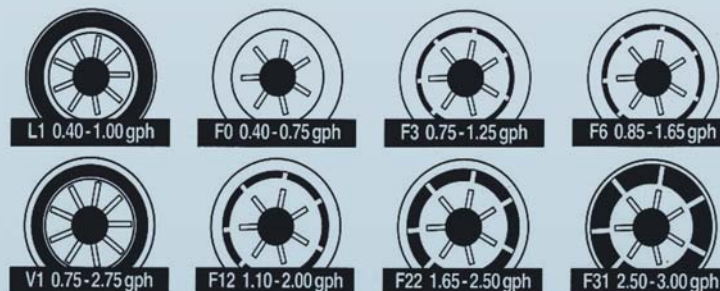
#### Electrical Characteristics

- Motor: 1/7 HP, NEMA 48M frame, PSC
- Power Supply: 120V AC, 60 Hz, single phase
- Ignition: Continuous duty solid-state igniter
- Operating Load: 5.8 Amps Max.

#### Fuel Unit

- Single-stage or two-stage

### Flame Retention Heads



## Product Sheet

### Chassis Plan

- Reduces Investment Up To 65%
- Reduces Storage Up To 85%
- Speeds Service Calls

The Beckett Chassis Plan lets you stock a minimum number of oil burners and still get maximum installation flexibility. The chassis represents 90% of the total burner cost, but one chassis adapts to all firing rates commonly encountered in upgrading and replacement jobs.

### How to Order

#### Order Burner Chassis

- 1. Model AFG Burner Chassis
- 2. Type of Fuel Unit (single or two-stage)
- 3. Primary Control

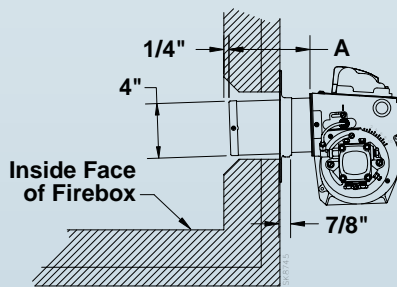
#### Order Air Tube Combination

- 1. Air tube Length (Dim. A) and Firing Rate or Air Tube Combination Code (see table below)

#### Order Accessories

- 1. Specify type of supports required
- 2. Add any other items such as spare parts, related controls, valves, etc.

### To Determine Air Tube Length



### AFG Components



#### Beckett GeniSys Burner Control

- Programmable pre/post-time settings.
- Three status lights for system monitoring & diagnostics.
- Limited reset and limited recycle.
- Technician Pump Prime mode.



#### CleanCut Pump

- Integrated solenoid valve.
- Higher capacity design delivers up to 3 GPH at 100psi on the AFG burner.
- The CleanCut has fewer moving parts and reduces motor load.



#### Beckett Igniter

- Electrodes last approx. 50% longer.
- Higher output voltage for reliable ignition.
- Approximately 75% lower input amps.



#### PSC Motor

- Lower amp draw & cooler operation.
- Delivers more power with the PSC design (permanent split capacitor).
- Proven durability after 10 years of high reliability in the field.
- Ball bearings for longer life.



#### Beckett Sound Cover (optional)

- Reduces near-burner air and component noise.
- Enhances burner appearance.
- Easy to use knockout and adapter kit when ducted air is required.

FIRING RATE MIN-MAX GPH	BURNER HEAD	USABLE AIR TUBE LENGTH "A"										
		4-1/2"	5"	5-3/8"	6-5/8"	7"	7-1/4"	9"	9"	10-1/2"	13"	16"
Less Head	Less	AF44	-	AF53	AF65	-	AF72	AF90	-	AF104	AF130	AF160
0.40 - 0.75	F0	AF44XR	-	AF53XR	AF65XR	-	AF72XR	AF90XR	-	AF104XR	AF130XR	AF160XR
0.75 - 1.25	F3	AF44XN	-	AF53XN	AF65XN	-	AF72XN	AF90XN	-	AF104XN	AF130XN	AF160XN
0.85 - 1.65	F6	AF44YB	-	AF53YB	AF65YB	-	AF72YB	AF90YB	-	AF104YB	AF130YB	AF160YB
1.10 - 2.00	F12	AF44XO	-	AF53XO	AF65XO	-	AF72XO	AF90XO	-	AF104XO	AF130XO	AF160XO
1.65 - 2.50	F22	AF44XP	-	AF53XP	AF65XP	-	AF72XP	AF90XP	-	AF104XP	AF130XP	AF160XP
2.50 - 3.00	F31	AF44XS	-	AF53XS	AF65XS	-	AF72XS	AF90XS	-	AF104XS	AF130XS	AF160XS
0.40 - 1.00	L1	-	AFG50MB	-	-	AFG70MB	-	-	AFG90MB	-	-	-
0.75 - 2.75	V1	-	AFG50MD	-	-	AFG70MD	-	-	AFG90MD	-	-	-

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