

AFG oil Burner 240V

Beckett
RESIDENTIAL BURNERS

Product Sheet

Description

The 240 volt AFG burner has technically advanced components to meet increased demand for improved burner performance for residential, pressure washers and light commercial applications. These advanced components are available on our B2000 series chassis. The 240 volt AFG's performance-enhancing features will help you meet today's toughest heating system and pressure washer challenges.

Advanced Components

- 240V GeniSys Burner Control
- CleanCut Pump
- 240V PowerLight Beckett Igniter
- PSC Motor
- Beckett Sound Cover (optional)



Electrical Ratings

Inputs:

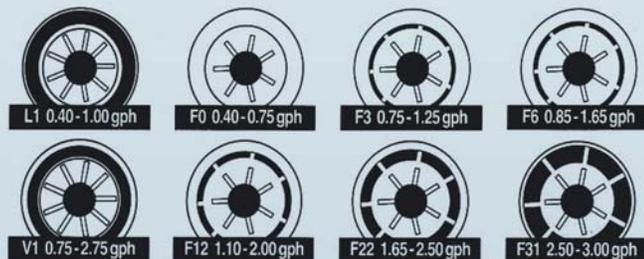
- Voltage: 220-240 Vac (177 to 264 Vac)
- Current: 100 mA nominal (150 mA max at 264 Vac)
- Frequency: 50/60 Hz

Outputs:

- Motor: 208/240 Vac, 5 full load amps (FLA), 30 locked rotor amps (LRA)
- Igniter: 208-240 Vac, 3 A @ 0.7 PF min
- Solenoid Valve: 208-240 Vac, 1 A @ 0.7 PF min
- Thermostat Anticipator Current: 0.1 A (if applicable)
- Thermostat Voltage: 24 Vac (if applicable)

Flame Retention Heads

The maximum firing rates shown are for 60HZ operation. For 50HZ operation the maximum firing rate for each head is reduced by about 20%.



GeniSys Controls: Models and Settings

Beckett GeniSys Control Part No.	Lockout Time	Valve-on delay time ¹	Motor-off delay time ¹	Replaces Honeywell:
7560A 0000	15 sec	-	-	R8184G
7560B 1500	15 sec	15 sec	-	-
7560P 1515	15 sec	15 sec	15 sec	-
7560P 1530	15 sec	15 sec	30 sec	-
7560P 152M	15 sec	15 sec	2 min	-

¹ - Valve-on delay and motor-off delay timings on all models are programmable with Beckett snap-on programming display. Other factory set timings are available. Contact Beckett for alternate timings.

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Beckett GeniSys Control 240V

Features

- Welded Relay Protection
- Limited Recycle
- Limited Reset
- 3 Status Lights
- 15 Second Lockout Time
- Disable Function
- Communication Ports (2)
- Technician Pump Priming Mode
- Interrupted or Intermittent Duty Ignition
- Valve-On Delay / Motor-Off Delay
(Field programmable with Beckett add-on Display)
- Thermostat / Operating (if applicable) and Limit Control Compatible



Description / Applications

The Beckett GeniSys™ Advanced Burner Control is a 208/240 Vac, 50/60 Hz primary safety control for residential and light commercial oil burners used in boiler, furnace, and water heater applications having firing rates less than 20 GPH. The GeniSys is used with a suitable cad cell flame sensor to control the oil burner motor, igniter, and optional solenoid valve. It has 24 Vac thermostat terminals (if applicable) compatible with both mechanical and many power stealing thermostats. It can also provide interrupted or intermittent duty ignition.

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.

Other AFG Components



240V PowerLight Beckett Igniter

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



CleanCut Pump

- Integrated solenoid (50/60 Hz) 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.



PSC Motor - 50/60 Hz

- 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.

How to Order

Order Burner Chassis

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

Order Accessories

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

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