

# ADC Oil Burner • 12V or 24V

Beckett  
CORPORATION

## Description

The Beckett ADC Oil Burner is designed for applications where an AC power source is not an option. Available in 12V and 24V configurations, the ADC burner is conveniently powered by a standard direct current power supply.

## Features & Benefits

- Available in either 12Vdc or 24Vdc configurations
- Beckett GeniSys Control uses a suitable cad cell flame sensor to control the motor, igniter, and solenoid valve.
- Interrupted duty ignition extends battery life by only drawing full load current during the ignition period. Intermittent duty ignition is also available.
- Beckett CleanCut Pump has an integrated solenoid valve for smoother light-offs and cleaner shutdown.
- Air Guide provides high static pressure for smooth starts and minimal pulsation.



## Specifications

Rated Voltage: 13.5V or 27V (Nominal Charging System Voltage)  
Reference Voltage: 12V or 24V (Battery Discharge Voltage)

### Capacity at Rated Voltage

- 0.75 - 3.00 GPH
- 105,000 - 420,000 Btu/h

### Capacity at Reference Voltage

- 0.75 - 2.50 GPH
- 105,000 - 350,000 Btu/h

### Fuels

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

### Dimensions

- Height: 10-1/2"
- Width: 14-3/8"
- Depth: 6-9/16" (chassis only)

### Ambient Operating Temperature

- Min: +32°F (0°C)
- Max: +115°F (46°C)

## Electrical Ratings

Power Supply	13.5Vdc	27Vdc
Voltage range	11V - 16V	21.6V - 28V
<b>Operating Load</b>	15A max.	10A max.
w/ igniter off	8 - 10 Amps	6-8 Amps
<b>Motor Voltage, nominal</b>	13.5V	27V
Full load amps	12.1A max.	6.1A max.
Locked rotor amps	100A	50A

## Flame Retention Heads (see reverse)

- **F3:** 0.75 - 1.25 GPH
- **F6:** 0.85 - 1.65 GPH
- **F12:** 1.10 - 2.00 GPH
- **F16:** 1.50 - 2.25 GPH
- **F22:** 1.65 - 2.50 GPH
- **F31:** 2.50 - 3.00 GPH

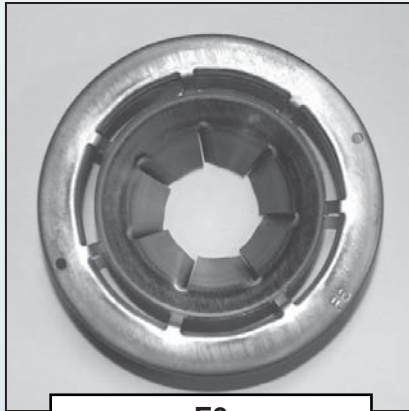
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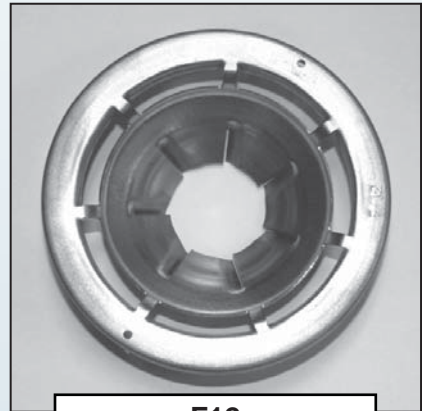
## Head Styles



**F3**  
0.75 - 1.25 GPH



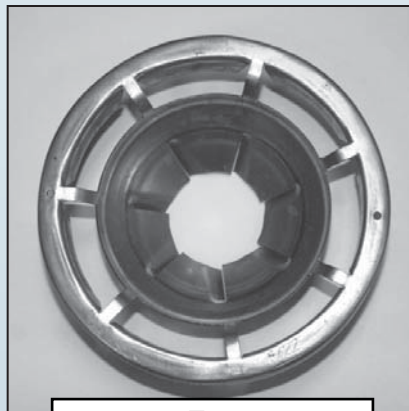
**F6**  
0.75 - 1.25 GPH



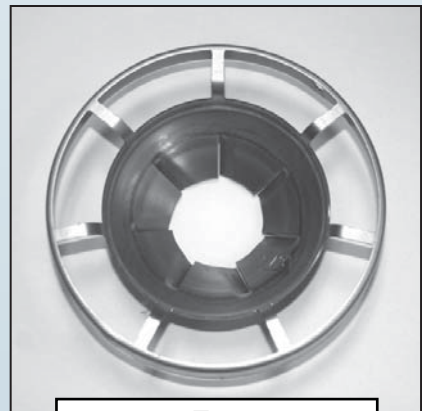
**F12**  
1.10 - 2.00 GPH



**F16**  
1.50 - 2.25 GPH



**F22**  
1.65 - 2.50 GPH



**F31**  
2.50 - 3.00 GPH

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