

# SDC Oil Burner • 12 Vdc or 24 Vdc

Beckett  
CORPORATION

## Product Sheet

### Description

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

### Features & Benefits

- Available in either 12 Vdc or 24 Vdc 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.
- Available with a pump-mounted solenoid blocking valve for smoother light-offs and cleaner shutdown.



### Specifications

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

#### Capacity at Rated Voltage

- 1.75 - 5.50 GPH
- 245,000 - 770,000 Btu/h

#### Capacity at Reference Voltage

- 1.75 - 5.00 GPH
- 245,000 - 700,000 Btu/h

#### Fuels

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

#### Dimensions

- Height: 13-5/8"
- Width: 15-3/8"
- Depth: 8-1/2" (chassis only)

#### Ambient Operating Temperature

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

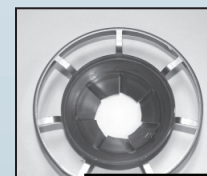
### Electrical Ratings

Power Supply	13.5 Vdc	27 Vdc
Voltage range	11V - 16V	21.6V - 28V
<b>Operating Load</b>	25A max.	15A max.
w/ igniter off	14 - 18 Amps	10 - 12 Amps
<b>Motor Voltage, nominal</b>	13.5V	27V
Full load amps	20A max.	10A max.
Locked rotor amps	100A	50A

### Flame Retention Heads



**F22**  
1.75 - 3.25 GPH



**F31**  
2.50 - 5.50 GPH

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