

## Flexible Heaters

### Silicone Rubber

#### Stock Product Offering

##### Drum Heaters

#### Performance Capabilities

- Available with fixed or adjustable thermostats for temperatures up to 330°F (165°C)
- Watt density of 6 W/in<sup>2</sup> (1 W/cm<sup>2</sup>)

#### Features and Benefits

- **Protects fluids** stored in drums from freezing temperatures.
- **Quick delivery** on 28 styles from stock.
- **Six-foot cord and plug set** included for convenient use.
- **Quick installation** with easy operating latch fasteners.
- **Custom heaters** available for non-standard sizes.

#### Applications

- Freeze protection
- Viscosity control

#### Application Hints

- Allow a three-inch (76 mm) gap between heater ends when clamped around a drum.
- Heaters with thermostat settings of 40°F and 60°F (4°C and 16°C) will have open circuit readings if room temperature exceeds the thermostat settings.
- Heaters cannot be bench tested since the thermostat is located over a no-heat section of the heater. Accurate testing of the heater requires it to be placed over the drum which is to be heated.
- When a single heater is used, place the heater at the bottom of the drum to minimize stratification.

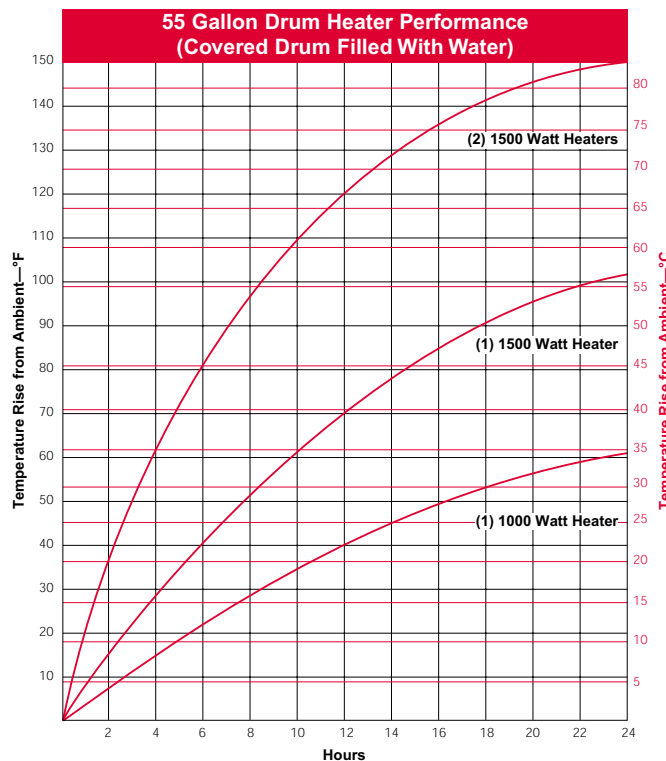


#### Standard Features

Watlow flexible drum heaters are designed for use on 5-, 30-, and 55-gallon **metal** drums. They come with the following standard features:

- Six-foot (1.8 m) cord and plug set
- Latch fasteners and springs

- Two styles of thermostats:  
T-207 snap action, available on all sizes  
B-200-3 adjustable, available only on four-inch (100 mm) wide units, and mounted in a silicone rubber boot to protect it from contamination



#### Determining Temperature Rise From Ambient

The total wattage (number of heaters and the material being heated) must be considered when estimating the

actual temperature the contents of the drum will reach. The graph above shows the temperature rise from ambient conditions, not drum content temperature.

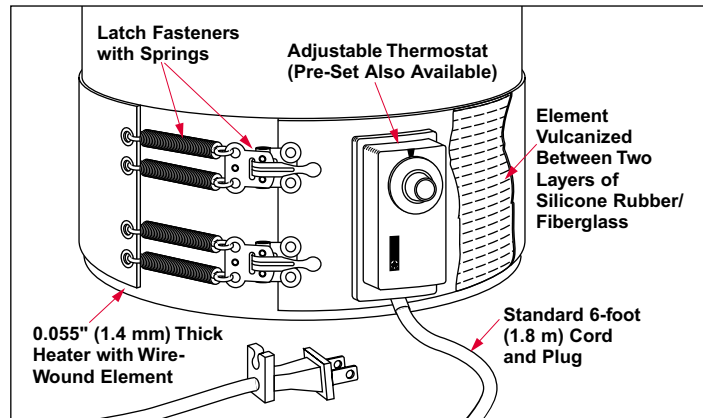


**For more information on thermostats, turn to pages 167 to 168.**

# Flexible Heaters

F.O.B.: Columbia, Missouri

## Silicone Rubber Stock Product Offering Drum Heaters



Drum Size	Volts	Watts	Width inches (mm)	Thermostat	Availability	Code No.
5 gal. (20 L) 11 1/2 in. (290 mm) nom. diameter	120	650	4 (100)	(no thermostat)	Stock	<b>04031500A</b>
				150°F (66°C)	Modified Stock	<b>04031500BT</b>
				100°F (38°C)	Modified Stock	<b>04031500CT</b>
				40°F (4°C)	Modified Stock	<b>04031500DT</b>
				60°F (16°C)	Modified Stock	<b>04031500HT</b>
				Adj. 25°-330°F (-5°-165°C)	Stock	<b>04031510</b>
30 gal. (115 L) 18 1/2 in. (470 mm) nom. diameter	120	750	2 1/16 (70)	(no thermostat)	Stock	<b>02655080A</b>
				150°F (66°C)	Modified Stock	<b>02655080BT</b>
				100°F (38°C)	Modified Stock	<b>02655080CT</b>
				40°F (4°C)	Modified Stock	<b>02655080DT</b>
				60°F (16°C)	Modified Stock	<b>02655080ET</b>
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	120	1000	2 1/16 (70)	(no thermostat)	Stock	<b>02667700A</b>
				150°F (66°C)	Modified Stock	<b>02667700BT</b>
				100°F (38°C)	Modified Stock	<b>02667700CT</b>
				40°F (4°C)	Modified Stock	<b>02667700DT</b>
				60°F (16°C)	Modified Stock	<b>02667700ET</b>
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	120	1500	4 (100)	(no thermostat)	Stock	<b>04067700A</b>
				150°F (66°C)	Modified Stock	<b>04067700BT</b>
				100°F (38°C)	Modified Stock	<b>04067700CT</b>
				40°F (4°C)	Modified Stock	<b>04067700DT</b>
				60°F (16°C)	Modified Stock	<b>04067700GT</b>
				Adj. 25°-330°F (-5°-165°C)	Stock	<b>04067710</b>
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	①240	1500	4 (100)	(no thermostat)	Stock	<b>04067701A</b>
				150°F (66°C)	Modified Stock	<b>04067701BT</b>
				100°F (38°C)	Modified Stock	<b>04067701CT</b>
				40°F (4°C)	Modified Stock	<b>04067701DT</b>
				60°F (16°C)	Modified Stock	<b>04067701ET</b>
				Adj. 25°-330°F (-5°-165°C)	Stock	<b>04067711</b>

① Supplied with 6-foot (1.8 m) cord—no plug.

### How to Order

After determining the drum size, volts, watts and temperature sensing requirements, specify the corresponding Watlow code number and quantity desired.

### Availability

**Stock:** Drum heaters without thermostats and those with adjustable thermostats are available for same day shipment if order is received by 11:00 a.m. CST.

**Modified Stock:** Drum heaters with pre-set thermostats require two to three days lead time before being shipped.

**Made-to-Order:** Consult factory