

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/in² (1 W/cm²)

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.

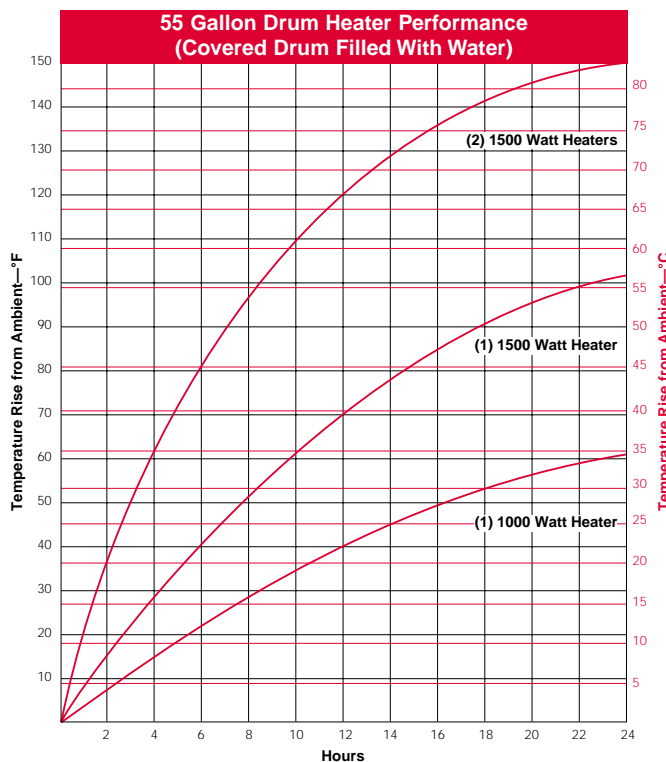


Standard Features

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.

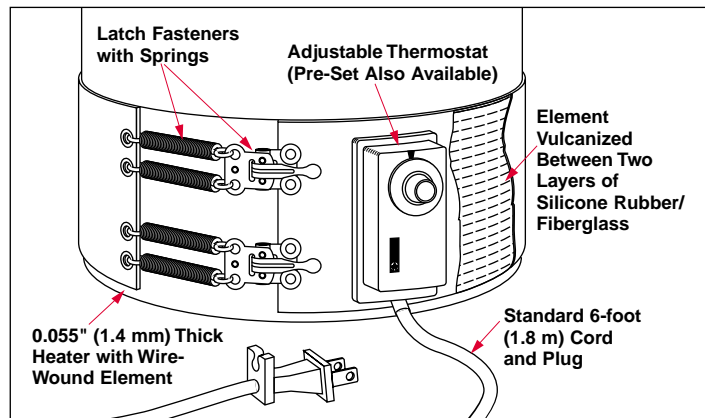


For more information on thermostats, turn to pages 167 to 168.

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F.O.B.: Columbia, Missouri

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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	04031500A
				150°F (66°C)	Modified Stock	04031500BT
				100°F (38°C)	Modified Stock	04031500CT
				40°F (4°C)	Modified Stock	04031500DT
				60°F (16°C)	Modified Stock	04031500HT
				Adj. 25°-330°F (-5°-165°C)	Stock	04031510
30 gal. (115 L) 18 1/2 in. (470 mm) nom. diameter	120	750	2 1/16 (70)	(no thermostat)	Stock	02655080A
				150°F (66°C)	Modified Stock	02655080BT
				100°F (38°C)	Modified Stock	02655080CT
				40°F (4°C)	Modified Stock	02655080DT
				60°F (16°C)	Modified Stock	02655080ET
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	120	1000	2 1/16 (70)	(no thermostat)	Stock	02667700A
				150°F (66°C)	Modified Stock	02667700BT
				100°F (38°C)	Modified Stock	02667700CT
				40°F (4°C)	Modified Stock	02667700DT
				60°F (16°C)	Modified Stock	02667700ET
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	120	1500	4 (100)	(no thermostat)	Stock	04067700A
				150°F (66°C)	Modified Stock	04067700BT
				100°F (38°C)	Modified Stock	04067700CT
				40°F (4°C)	Modified Stock	04067700DT
				60°F (16°C)	Modified Stock	04067700GT
				Adj. 25°-330°F (-5°-165°C)	Stock	04067710
55 gal. (210 L) 22 1/2 in. (570 mm) nom. diameter	240	1500	4 (100)	(no thermostat)	Stock	04067701A
				150°F (66°C)	Modified Stock	04067701BT
				100°F (38°C)	Modified Stock	04067701CT
				40°F (4°C)	Modified Stock	04067701DT
				60°F (16°C)	Modified Stock	04067701ET
				Adj. 25°-330°F (-5°-165°C)	Stock	04067711

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