

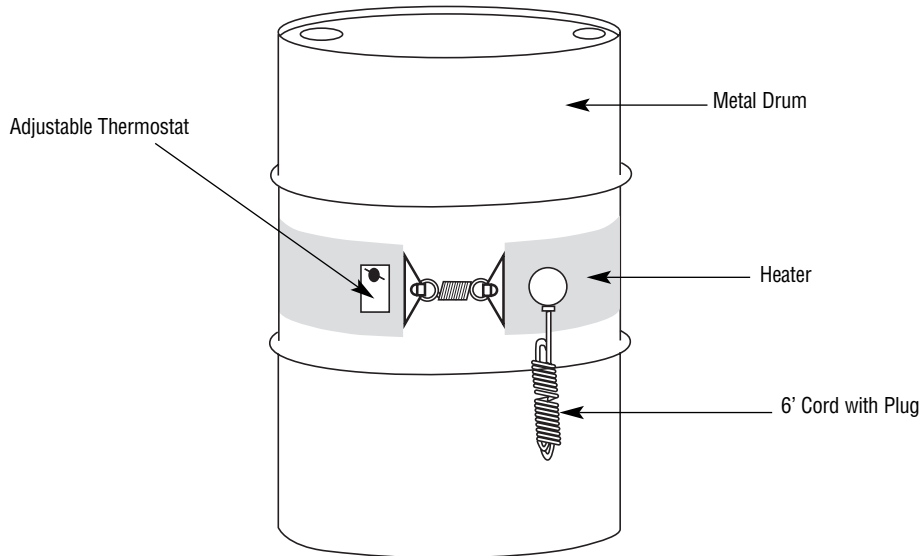
Chromalox®

Installation Instructions

SERVICE REFERENCE

DIVISION 4	SECTION SLDH
SALES REFERENCE	PJ488
161-891364-002	
DATE JANUARY, 2003	

SLDH Drum Heater



GENERAL

SLDH Drum Heaters are electrical resistance heaters in a flexible form that can be easily wrapped around metal drums and tanks. They are constructed of silicone rubber reinforced fiberglass cloth laminated around resistance wire to provide flexible, moisture-and-chemical resistant heat. They are designed for freeze protection, melting of solids, viscosity control and maintaining drum contents at an elevated temperature.

Application Guidelines —

⚠ WARNING

FIRE/EXPLOSION HAZARD. Do not seal drums when applying heat. Drums are containers only and not designed to be used as pressure vessels. Failure to heed this warning can cause severe personal injury, death or substantial property damage. Bungs should be removed and clamps and gaskets left off removable type drum tops.

⚠ WARNING

FIRE HAZARD. Do not use SLDH drum heaters on plastic drums, as electric shock or fire may occur. Non-metal drums are easily damaged by heat. SLDH drum heaters are intended for use on metal drums only. Use SLDHP models for plastic drum heating only.

⚠ WARNING

FIRE HAZARD. Do not expose SLDH drum heaters to chemicals, acids, alkalis, oils, fluids or other substances that could ignite or cause damage to the heater.

Model Identification —

The part number stamped on the drum heater identifies several important characteristics. Using this model identification table, identify the drum heater(s) you have purchased to ensure proper application.

Example Model Number

SLDH	30	-	A	-	6CPGM	120V	1000W	{ 50 = 500W 55 = 550W 70 = 700W 75 = 750W 100 = 1,000W 120 = 1,200W
							Watts	
							Voltage, 120 or 240	
							Electrical Connection	
							6 CPGM = 6' cord and 3-prong plug, heavy duty	
							6 CPM = 6' cord without plug	
							Thermostat	
							A = Built-in Adjustable Thermostat	
							O = No thermostat	
							Drum size, gallons	
							Silicone Laminated Flexible Drum Heater	

See "Wiring" instructions in the instruction sheet.

SPECIFICATIONS

Drum Size	Drum Type	Adjustable Thermostat	Watts	Model Number 120 Volts	Amps	Model Number 240 Volts	Amps	Heater Width (In.)	Weight (Lbs.)
5 Gallon	Metal	70 to 425°F	550	SLDH-05-A-6CPGM-1-55	4.6	-	-	4	1.4
15 Gallon	Metal	70 to 425°F	500	SLDH-15-A-6CPGM-1-50	4.2	SLDH-15-A-6CGM-2-50	2.1	3	1.4
15 Gallon	Metal	70 to 425°F	700	SLDH-15-A-6CPGM-1-70	5.8	-	-	4	1.6
30 Gallon	Metal	70 to 425°F	750	SLDH-30-A-6CPGM-1-75	6.3	SLDH-30-A-6CGM-2-75	3.1	3	1.7
30 Gallon	Metal	70 to 425°F	1000	SLDH-30-A-6CPGM-1-100	8.3	-	-	4	2
55 Gallon	Metal	70 to 425°F	1000	SLDH-55-A-6CPGM-1-100	8.3	SLDH-55-A-6CGM-2-100	4.2	3	1.9
55 Gallon	Metal	70 to 425°F	1200	SLDH-55-A-6CPGM-1-120	10.0	SLDH-55-A-6CGM-2-120	5.0	4	2.3
5 Gallon	Plastic	70 to 140°F	300	SLDHP-05-A-6CPGM-1-30	2.5	-	-	9.5	3.4
55 Gallon	Plastic	70 to 140°F	750	SLDHP-55-A-6CPGM-1-75	6.3	-	-	9.5	5.1

Voltage and Wattage are specified in the model number stamped on the heater. Refer to Model Identification if you are unclear about the voltage and wattage specifications of your heater.

Heater contains no user serviceable parts.

Insulating Blankets —

Insulating blankets increase heating efficiency and reduce operating costs. Bulk fiberglass insulation is covered with silicone glass cloth on both sides. Velcro fastening devices make installation easy. All insulating blankets are available from stock for immediate shipment.

⚠ WARNING

FIRE HAZARD. When using blanket insulation, do not allow the drum to empty while heater is energized. Operating the heater with an empty drum will cause the heater to overheat and fail presenting a potential for fire and severe personal injury or property damage.

Girth Extension Straps—

Extension straps can be used to adapt standard size heaters to larger drums or other cylindrical containers similar in size. They will permit extending the length of the heater to fit drums from 1-1/2 to 10" larger in circumference.

Drum Size (gals.)	Diameter (In.)	Circumference (In.)
55	22.6	71
30	18.3	57-1/2
16	14.0	44
5	11.5	36-1/2

Description	Model	PCN
5-gal Insulating Blanket	IGB-5	298070
16-gal Insulating Blanket	IGB-16	299225
30-gal Insulating Blanket	IGB-30	299233
55-gal Insulating Blanket	IGB-55	289098

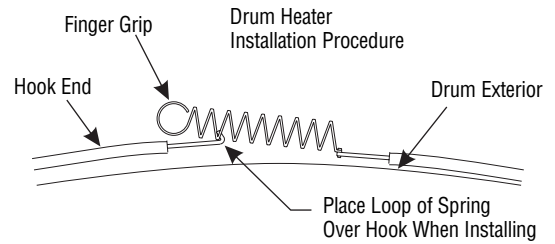
Description	Model	PCN
Girth Extension Strap	PDES-10	290132

INSTALLATION

⚠ WARNING

ELECTRIC SHOCK HAZARD. Disconnect all power before attaching the heater. Failure to comply could result in personal injury or property damage.

1. Wrap and clamp heater around drum prior to switching on.
2. Pull on spring, at the same time, hold hook end of heater against the drum.
3. Place a loop of the spring over the hook as shown.
4. Heater must not be clamped in dented areas of the drum.
5. Heater must be in full contact with the drum and below the level of liquid while in operation.
6. Do not bend heater sharply, as this may cause internal damage to the heating element.
7. Open drum to allow for expansion when heating.



WIRING

⚠ WARNING

ELECTRIC SHOCK HAZARD. All applications of SLDH drum heaters must be grounded in accordance with the National Electric Code (NEC) and local electric codes. Heavy-duty models (-6CPGM), as identified by the model number stamped on the heater are manufactured with a wire mesh grounding grid and 3-prong plug for electrical protection.

1. No special wiring is required to operate the SLDH. The electrical receptacle, including GFCI (Ground Fault Circuit Interrupter), should be wired in accordance with the National Electrical Code (NEC) and local codes by a qualified person.
2. Do not connect the heater to a higher voltage source than it is rated. Check the model number stamped on the heater to confirm the voltage.

OPERATION GUIDELINES

Drum Contents —

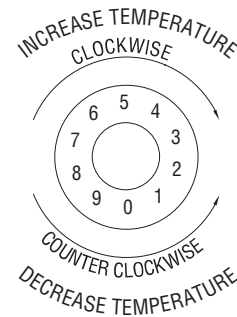
1. If the liquid level in the drum is low, disconnect the heater.
2. Protect the heater from liquid spillover or other abuse.
3. If the drum is dented or empty, do not use the heater, as it may cause the heater to burnout prematurely.

Environment —

Maximum operating temperature is 300°F and maximum exposure temperature is 400°F. Do not operate the heater under conditions that result in temperatures higher than the recommended maximum since excess temperatures cause premature heater failure.

Thermostat —

The thermostat range is 70 to 425°F on metal drums and 70° to 140°F on plastic drums. To set the thermostat to the lowest temperature, rotate the knob to the full counter-clockwise position. Full clockwise position is the maximum temperature setting.



MAINTENANCE

⚠ WARNING

ELECTRIC SHOCK HAZARD. Disconnect all power to heaters before servicing or replacing heaters.

Keep heater free from chemicals, acids, alkalis, oils, fluids or other substances that could ignite or cause damage to heater. Keep heater below the level of the contents inside the drum. Check that heater fits tight against the drum or tank. Heater contains no user serviceable parts. In the event the heater stops working, contact Chromalox for replacement.

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PRECISION HEAT AND CONTROL

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