



**THERMAL
PRODUCTS** INC.
Engineered Solutions To
Industrial Applications

Winter 2019

YOUR FREEZE
PROTECTION
HEADQUARTERS

XtremeFLEX HEATING TAPES



with Preset Thermostat
PAGE 2

WRAP AROUND **DRUM & IBC HEATERS**



PAGE 5

BriskHeat®

NEW & FEATURED SOLUTIONS

SELF-REGULATING **HEATING CABLE** & SPEEDTRACE CABLE



for Pipe
Freeze
Protection

PAGES 2-3

SILICONE RUBBER HEATING BLANKETS



For Tanks & Vessels
PAGE 7

SILVER SERIES INSULATORS

NEW!



PAGE 4

CARTRIDGE & BAND **HEATERS**



NEW!

PAGE 1

TEMPERATURE **CONTROLLERS**



PAGE 9

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EXPERT APPLICATION ASSISTANCE



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Provides high temperatures necessary to heat resins for extrusion, injection, and blow-molding machinery

Band and Nozzle Heaters

- Premium grade mica insulation
- High-temperature electrogalvanized steel sheath
- Maximum operating temperatures up to 850°F
- Electrical connection:
 - Band Heaters: Screw terminals
 - Nozzle Heater: 10 in long leads



NEW!



Band Heaters

Barrel Diameter	Width	Watts	Part No. 240 VAC	Price
3.5 in	1 in	300	BA035-010B	\$37.39
3.5 in	1.5 in	500	BA035-015C	\$38.38
3.5 in	2 in	500	BA035-020B	\$40.10
4 in	1 in	625	BA040-010B	\$41.03
4 in	2 in	800	BA040-020E	\$44.93
4 in	4 in	1250	BA040-040A	\$53.51
4.5 in	2.5 in	1000	BA045-025A	\$48.52
5 in	1.5 in	750	BA050-015E	\$43.63
6 in	1.5 in	850	BA060-015E	\$47.53
6 in	2 in	1000	BA060-020A	\$85.65
7 in	1.5 in	1100	BA070-015C	\$87.00
8 in	2 in	1500	BA080-020A	\$93.56
9 in	1.5 in	1300	BA090-015B	\$94.75
10 in	1.5 in	1400	BA100-015A	\$98.70
12 in	2 in	2300	BA120-020A	\$118.93



Nozzle Heaters

Nozzle Diameter	Width	Watts	Part No. 240 VAC	Price
1 in	1 in	100	NZ1010-20100	\$21.73
1 in	1.5 in	150	NZ1015-20150	\$21.73
1 in	2 in	200	NZ1020-20200	\$22.15
1.5 in	1 in	150	NZ1510-20150	\$21.73
1.5 in	1.5 in	300	NZ1515-20300	\$21.73
1.5 in	2 in	300	NZ1520-20300	\$24.23
2 in	1.5 in	300	NZ2015-20300	\$24.23
2.5 in	1.5 in	350	NZ2515-20350	\$23.60

Additional Sizes and Options Available

Cartridge Heaters

- Swaged for greater thermal conductivity
- Ideal for heating tools, molds, dies, tanks, vessels, and more
- 304 stainless steel sheath
- 10 in long high-temperature DuraFlex lead wires – maximum exposure up to 1022°F



NEW!



1/4 in Diameter

Heater Length	Watts	Volts	Part No.	Price
1.5 in	150	240	HR25015AU	\$23.30
1.5 in	200	240	HR25015N	\$23.30
2 in	100	120	HR25020N	\$23.30
2 in	150	240	HR25020Q	\$23.30
2 in	200	240	HR25020S	\$23.30
2 in	250	240	HR25020U	\$23.30
3 in	300	240	HR25030L	\$26.78
4 in	200	240	HR25040L	\$30.26
4 in	300	240	HR25040N	\$30.26
6 in	400	240	HR25060S	\$37.22

3/8 in Diameter

Heater Length	Watts	Volts	Part No.	Price
1.25 in	150	240	HR37012M	\$23.76
1.5 in	150	120	HR37015P	\$23.76
1.5 in	200	240	HR37015S	\$23.76
1.5 in	250	240	HR37015Y	\$23.76
2 in	150	240	HR37020N	\$23.76
2 in	200	240	HR37020T	\$23.76
2 in	250	240	HR37020U	\$23.76
2 in	300	240	HR37020W	\$23.76
3 in	250	120	HR37030Z	\$27.66
3 in	300	240	HR37030AC	\$27.66
3 in	500	240	HR37030AG	\$27.66
4 in	400	240	HR37040AE	\$31.56
4 in	500	240	HR37040AF	\$31.56
5 in	300	240	HR37050X	\$35.46
5 in	500	240	HR37050Z	\$35.46
6 in	500	240	HR37060AA	\$39.36
8 in	1000	240	HR37080AB	\$47.16
10 in	1000	240	HR37100K	\$54.96

1/2 in Diameter

Heater Length	Watts	Volts	Part No.	Price
1.25 in	150	240	HR50012H	\$27.04
1.5 in	200	240	HR50015E	\$27.04
2.5 in	500	240	HR50025AA	\$32.24
3 in	250	240	HR50030R	\$32.24
3 in	300	240	HR50030T	\$32.24
3 in	500	240	HR50030W	\$32.24
4 in	300	240	HR50040V	\$37.44
4 in	500	240	HR50040Y	\$37.44
4 in	750	240	HR50040Z	\$37.44
5 in	350	240	HR50050AJ	\$42.64
5 in	500	120	HR50050P	\$42.64
5 in	500	240	HR50050R	\$42.64
5 in	750	240	HR50050S	\$42.64
5 in	1000	240	HR50050T	\$42.64
6 in	500	240	HR50060X	\$47.84
6 in	750	240	HR50060Z	\$47.84
6 in	1000	240	HR50060BZ	\$47.84
7 in	1000	240	HR50070H	\$53.04
8 in	500	240	HR50080Y	\$58.24
8 in	1000	240	HR50080Z	\$58.24
10 in	500	240	HR50100M	\$68.64
10 in	1000	240	HR50100Q	\$68.64
12 in	1000	240	HR50120L	\$79.04
14 in	1000	240	HR50140C	\$89.44
16 in	1000	240	HR50160N	\$99.84

Thousands of configurations available for immediate shipment



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THOUSANDS OF STANDARD PARTS TO CHOOSE FROM
 CUSTOMS AVAILABLE UPON REQUEST

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NEW!

XtremeFLEX® Silicone Rubber Heating Tape with Preset Thermostat

- Extremely flexible heating tape with pre-set thermostat: 70°F or 120°F
- Ideal for freeze protection and process control heating applications
- Moisture and chemical resistant – IP66 rated
- 5 ft long power cord with 2-prong plug



Length	Width	Thermostat Setting	Watts	Part No. 120 VAC	Price
10 ft	1/2 in	70°F	60	RKP1A0120	\$159
20 ft	1/2 in		120	RKP1A0240	\$189
60 ft	1/2 in		360	RKP1A0720	\$229
100 ft	1/2 in		600	RKP1A1200	\$269
125 ft	1/2 in		750	RKP1A1500	\$289
10 ft	1/2 in	120°F	60	RKP1B0120	\$159
20 ft	1/2 in		120	RKP1B0240	\$189
60 ft	1/2 in		360	RKP1B0720	\$229
100 ft	1/2 in		600	RKP1B1200	\$269
125 ft	1/2 in		750	RKP1B1500	\$289



Accessories – Adhesive tape to install heating tape to surface to be heated

Description	Part No.	Price
Fiberglass adhesive tape – 1/2 in x 36 yd roll - temperature limit 350°F	PSAT36A	\$16
GFCI Adaptor- Converts standard outlet into a GFCI protected outlet. 120 VAC, max 15A.	GFCI01	\$26

YOUR FREEZE PROTECTION HEADQUARTERS



Don't Forget Your Insulation! Options on Page 4



SpeedTrace Pre-Assembled Self-Regulating Heating Cable



- Automatically adjusts heat output based on surface and ambient temperature
- Easy-to-install: pre-terminated with 30 in long power cord with 3-prong grounded plug
- Several heater lengths to choose from

Speedtrace
5 watts/ft @ 50°F

Length	Part No. 120VAC	Price
6 ft	FFSL1-6	\$32
12 ft	FFSL1-12	\$41
18 ft	FFSL1-18	\$50
24 ft	FFSL1-24	\$62
50 ft	FFSL1-50	\$109
100 ft	FFSL1-100	\$195

SpeedTrace Extreme
8 watts/ft @ 50°F

Length	Part No. 120VAC	Price
6 ft	FFSL81-6	\$40
12 ft	FFSL81-12	\$50
18 ft	FFSL81-18	\$57
24 ft	FFSL81-24	\$70
50 ft	FFSL81-50	\$122
100 ft	FFSL81-100	\$217

**60%
MORE
WATTAGE**

**More Sizes
and Options
Available**



XtremeFLEX® Silicone Rubber Heating Tape with Adjustable Thermostat Control

- Extremely flexible - Heats a wide range of objects quickly
- Adjustable thermostat control – choice of two temperature ranges: up to 160°F and 425°F
- Moisture and chemical resistant – IP54 rated
- 6 ft long power cord with 2-prong plug



Length	Width	Temperature Range	Watts	Part No. 120 VAC	Price
2 ft	1 in	Up to 160°F	144	MSTAT101002	\$145
4 ft	1 in		288	MSTAT101004	\$156
6 ft	1 in		432	MSTAT101006	\$170
8 ft	1 in		576	MSTAT101008	\$178
10 ft	1 in		720	MSTAT101010	\$186
2 ft	1 in	Up to 425°F	144	HSTAT101002	\$145
4 ft	1 in		288	HSTAT101004	\$156
6 ft	1 in		432	HSTAT101006	\$170
8 ft	1 in		576	HSTAT101008	\$178
10 ft	1 in		720	HSTAT101010	\$186

NEW!

Accessories – Adhesive tape to install heating tape to surface to be heated

Description	Part No.	Price
Fiberglass adhesive tape – 1/2 in x 36 yd roll - temperature limit 350°F	PSAT36A	\$16
GFCI Adaptor- Converts standard outlet into a GFCI protected outlet. 120 VAC, max 15A.	GFCI01	\$26

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**THOUSANDS OF STANDARD
PARTS TO CHOOSE FROM**
CUSTOMS AVAILABLE UPON REQUEST

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Cut-to-length heat trace cable for freeze protection and temperature maintenance up to 149°F

Self-Regulating Heating Cable

- Automatically adjusts heat output based on surface temperature
- Can be cut-to-length and terminated in the field
- Safe to overlap and insulate
- Optional Thermoplastic Elastomer over-jacket for wet environments
- Fluoropolymer over-jacket also available upon request for strong chemical environments



APPROVED

Ordinary Locations
 Hazardous (Classified) Locations
 Class I, Division 2, Groups B, C, D
 Class II, Division 2, Groups F, G
 Class III, Division 2
 3, 5, 8 W/ft T6
 10 W/ft T5



Ordinary Locations 130-03 (-G,-W,-S)
 Hazardous (Classified) Locations
 Class I, Division 2, Groups B, C, D
 Class II, Division 2, Groups E, F, G
 Class III, Division 2
 3, 5, 8 W/ft T6
 10 W/ft T5

Class 1 Division 1 Heating Cable available upon request

Self-Regulating Heating Cable - Sold by the foot

Outer Jacket	Watts per Foot	Part No. 120VAC	Price per Foot			
			100 - 999	1000 - 4999	5000 - 9999	10,000+
Tinned Copper Braid	5	SLCAB5120B				
	8	SLCAB8120B	\$4.44	\$3.95	\$3.55	\$2.31
	10	SLCAB10120B				
Thermoplastic Elastomer	5	SLCAB5120BP				
	8	SLCAB8120BP	\$4.69	\$4.17	\$3.75	\$2.44
	10	SLCAB10120BP				

Watts per foot is based on nominal power output @ 50°F

Connection/Termination Kits for Ordinary Locations - FM Approved

Kit	Enough to Complete	Part No.	Price
Power Connection Kit	Two end seal connections and one input connection, or one input splice. (Junction box sold separately)	SLCABUC	\$53
Splice Kit	Ten input connections or ten tee splices	SLCABSK	\$99
End Seal Kit	Ten end seal terminations	SLCABKC	\$34



**Need an insulator?
See page 4.**

Connection/Termination Kits for Ordinary and Hazardous Locations - CSA Approved

Kit	Enough to Complete	Part No.	Price
Power Connection Kit	One input connection and one end termination. Splices and power input splices can be made with two kits. (Junction box sold separately)	SLCABUC-CSA-M	\$108
End Seal Kit	One end seal termination	SLCABEND-CSA-2	\$17

Junction Box and Pipe Straps

Junction box includes watertight cover

Type	NPT Size	Part No.	Price
Metallic Junction Box - 3 Hub	3/4 in	JBM075	\$20
Junction Box - CSA Hazardous Rated - 7 Hub	3/4 in	JBH075	\$135
Pipe Straps - Adjustable from 2 to 6 in		BPSCAB2-6	\$3

Ideal for melting snow and de-icing roofs, gutters, and downspouts

SpeedTrace Roof and Gutter De-icing Kits

- Durable, long lasting professional-grade self-regulating heating cable
- Suitable for residential, commercial, and industrial roofing applications
- Easy-to-install: pre-assembled with 30 in long power cord with 3-prong grounded plug

Kits include: Speedtrace heating cable, downspout hanger brackets, roof clips, and UV resistant ties

Cable Length (ft)	Part No. 120 VAC	Price
50	FFRG15-50	\$231
100	FFRG15-100	\$432
150	FFRG15-150	\$610



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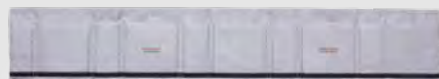
YOUR FREEZE PROTECTION HEADQUARTERS

Energy-Efficient, Modular Insulator System for Your Pipes

Silver-Series Cloth Insulators

- Removable and reusable – Easy-to-install and reuse
- Configurable system for a wide range of pipe and tank systems.
- Exterior material - Polymer-coated fiberglass with temperature rating of 450°F. Higher temperature materials available upon request.
- Thermally-efficient fiberglass insulation – 1 in thick
- Moisture and chemical resistant - IP 54 rated

Straight Pipes



Pipe/Tube Outer Diameter (OD)	Part No.	Price
½ - 1 in	SSIP10	\$144
1 - 1.5 in	SSIP15	\$152
1.5 - 2 in	SSIP20	\$192

Total usable length for each straight insulator is 83 inches – can be cut-to-length in the field in 6" increments

90° Elbow

Pipe/Tube Outer Diameter (OD)	Part No.	Price
½ - 1 in	SSI9010	\$36
1.5 - 2 in	SSI9020	\$44



Tees

Pipe/Tube Outer Diameter (OD)	Part No.	Price
½ - 1 in	SSIT10	\$81
1.5 - 2 in	SSIT20	\$96

Flanges

Pipe/Tube Outer Diameter (OD)	Part No.	Price
1 in (max diameter 4-7/8 in)	SSIF10	\$90
2 in (max diameter 6-1/2 in)	SSIF20	\$130

Valves

Pipe/Tube Outer Diameter (OD)	Type	Part No.	Price
½ - 1 in	Ball Valve – 2-Way	SSIVB102	\$90
1 - 1.5 in		SSIVB152	\$120
1.5 - 2 in		SSIVB202	\$120
½ - 1 in	Ball Valve – 3-Way	SSIVB103	\$90
1 - 1.5 in		SSIVB153	\$120
1.5 - 2 in		SSIVB203	\$120
½ - 1 in	Control Valve – 2-way	SSIVC102	\$250
1 - 1.5 in		SSIVC152	\$250
1.5 - 2 in		SSIVC202	\$250
½ - 1 in	Control Valve – 3-way	SSIVC103	\$250
1 - 1.5 in		SSIVC153	\$250
1.5 - 2 in		SSIVC203	\$250
1 - 1.5 in	Gate Valve – 2-Way	SSIVG152	\$350
1.5 - 2 in		SSIVG202	\$350
1 - 1.5 in	Gate Valve – 3-Way	SSIVG153	\$350
1.5 - 2 in		SSIVG203	\$350

Seam Cover

Pipe/Tube Outer Diameter (OD)	Part No.	Price
½ - 1 in	SSIC10	\$8
1.5 - 2 in	SSIC20	\$8

Provides solution when no drain is available in commercial refrigeration units, elevators, and HVAC units

Evapoway Anti-Condensate Pans

- Corrosion resistant 22 gauge stainless steel pan
- Space-saving design
- Multiple sizes, wattage options, and dissipation rates available
- High-limit safety and float switch operation
- 3 ft long power cord with grounded 3-prong plug

Pan Size (L x W x H)	Capacity (Quarts)	Watts	Dissipation Rate (Liters per day)	Part No. 120 VAC	Price
10 x 7 x 2.5	1.75	200	1.5	DM02T-1S	\$135
		400	3.5	DM04T-1S	\$135
13 x 7 x 2.5	2.37	600	4.5	DM06S-1S	\$150
		800	6	DM08S-1S	\$150
13 x 7 x 4	4	1000	8	DM10M-1S	\$160
13 x 10 x 4	7	1000	8	DM10W-1S	\$165
		1500	12	DM15W-1S	\$180
		1800	14	DM18W-1D	\$190
13 x 10 x 6	10	1800	14	DM18X-1D	\$275
21 x 13 x 4	15	1000	8	DM10WW-1D	\$205
		1500	12	DM15WW-1D	\$220
21 x 13 x 6	21	1800	14	DM18XX-1D	\$290



Durable, moisture and chemical resistant drum, pail, and barrel heaters

Heavy-Duty Silicone Rubber Drum Heaters

- 4 in wide silicone rubber band heater with adjustable thermostat control
- Moisture and chemical resistant – IP 54 rated
- 6 ft long power cord with grounded 3-prong plug

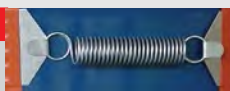


Drum Size	Drum Diameter	Drum Type	Temperature Range	Watts	Part No. 120 VAC	Price
5 gal	11.1 to 12.1	Metal	Up to 425°F	550	DHCS10	\$140
15/16 gal	14.0 to 15.0			700	DHCS11	\$153
30 gal	18.6 to 19.6			1000	DHCS13	\$175
55 gal	22.3 to 23.2			1200	DHCS15	\$188
5 gal	11.1 to 12.1	Metal	Up to 160°F	550	DHLS10	\$140
15/16 gal	14.0 to 15.0			700	DHLS11	\$153
30 gal	18.6 to 19.6			1000	DHLS13	\$175
55 gal	22.3 to 23.2			1200	DHLS15	\$188
5 gal	11.1 to 12.1	Poly	Up to 160°F	150	DPCS10	\$140
15/16 gal	14.0 to 15.0			200	DPCS11	\$153
30 gal	18.6 to 19.6			250	DPCS13	\$175
55 gal	22.3 to 23.2			300	DPCS15	\$188

NEW!

Accessories

Description	Part No.	Price
Replacement spring	10180	\$5



**Exceptional
Durability**



**Moisture and
Chemical
Resistant**



Maximize heat efficiency and heat-up time

Full-Coverage Drum Heaters

- Easy-to-use digital temperature controller
- 1 in thick insulation – energy efficient
- Hook and loop fastener for easy on/off installation
- 6 ft long power cord with grounded 3-prong plug



Drum Size	Drum Diameter	Drum Type	Temp. Range	Watts	Part No.	Price
55 gal	22.3 in	Metal	50 to 450°F	1600	FGDHC55120D	\$894
55 gal	22.3 in	Plastic	50 to 160°F	770	FGPDHC55120D	\$894

Accessories

Description	Part No.	Price
Drum Insulation Cover for 55 gallon	FGDC55	\$89
6 in wide strip that expands insulator to fit up to a 24.2 in diameter drum. Strip is necessary for insulator to fit around drums with removable lids.	FGDHSTRIP	\$89

Keep refrigerant jug cylinders warm when servicing HVACR systems in cold weather

HotBelt™ Refrigerant Jug Warmer

- Fits common size cylinders: 30lb, 50lb, and 125lb
- 120°F preset thermostat control
- Moisture and chemical resistant – IP 56 rated
- 6 ft long power cord with 3-prong grounded plug



Minimum Jug Diameter	Maximum Jug Diameter	Watts	Part No.	Price
9 in	13 in	200	HB1001	\$109

Ideal solution for heating intermediate bulk containers

Wrap-Around Tote Tank/IBC Heaters

- Adjustable thermostat control: Up to 160°F
- Two separate heat zones allow users to adjust heater output as content levels decrease
- Adjustable buckles allow heater to fit several sizes of caged, plastic, and metal tote tanks/IBCs
- Built-in high-limit safety thermostat set at 195°F
- 6 ft. long power cord with grounded 3-prong plug



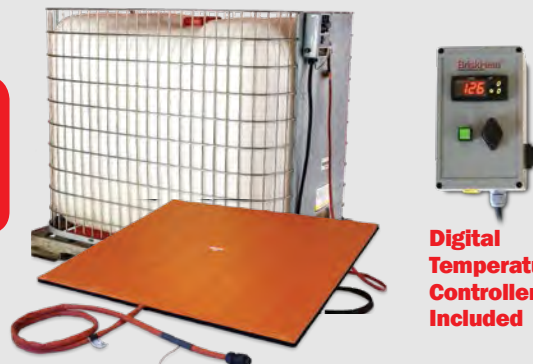
Bundle these items together for faster heat-up

Heater Height	Tank Size Minimum [length x width]	Tank Size Maximum [length x width]	Watts	Part No. 120 VAC	Price
36 in	40 x 40 in	48 x 48 in	1440	TOTE361-ADJ	\$1,639
42 in	40 x 40 in	48 x 48 in	1440	TOTE421-ADJ	\$1,829
48 in	40 x 40 in	48 x 48 in	1440	TOTE481-ADJ	\$1,979

Accessories

Description	Part No.	Price
Optional insulated top cover reduces heat loss and heat-up time	TOTE-TOP	\$235

Silicone Tote Tank/IBC Heaters



Digital Temperature Controller Included

- Installs underneath plastic bladder for direct surface contact – provides quicker heat-up time
- 32 x 36 in silicone rubber heater with ½ in thick foam insulation
- Moisture and chemical resistant
- Includes digital on/off temperature controller
- Type K thermocouple sensor built into heater

Heater Size	Watts	Part No. 120 VAC	Price
32 x 36 in	1600	THH32361DK	\$1,083

YOUR FREEZE PROTECTION HEADQUARTERS

Improves process control and reduces waste of condensed gas

Gas Cylinder Warmers

- Full surface coverage – Warms entire body of cylinder
- Self-regulating heating element – no additional temperature control needed
- Hazardous-area rated version available
- 10 ft long power cord with either
 - Standard 3-prong grounded plug (ordinary location version)
 - Teck 90 cable with bare lead wires (hazardous-area version)



Class I Division 1 Groups B, C, and D
(Hazardous-Area Model)



Environment	Cylinder Size	Watts	Part No.	Price
Ordinary Location	8 x 48 in	150	GCW8481501	\$819
	9 x 51 in	150	GCW9511501	\$901
	15 x 43 in	150	GCW15431501	\$1,109
Hazardous-Area	8 x 48 in	150	HCW8481501	\$1,848
	9 x 43 in	150	HCW9511501	\$1,878
	15 x 43 in	150	HCW15431501	\$2,070

Prevents condensation or freezing of electronics within enclosures and control panels

Enclosure Heaters



- Silicone rubber heater on an easy-to-install aluminum mounting plate – two mounting slots that are ¼ x 5/32 in centered on a ½ in flange
- Built-in air-sensing thermostat
- Moisture and chemical resistant
- 4 ft long power leads



Thermostat Setting	Heater Size	Watts	Part No. 120 VAC	Price
Open/Close (°F)	2.5 x 6 in	60	TSREH640	\$82
	2.5 x 12 in	120	TSREH1240	\$93

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THOUSANDS OF STANDARD PARTS TO CHOOSE FROM
CUSTOMS AVAILABLE UPON REQUEST

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Heavy-Duty Silicone Rubber Heating Blankets

- Exceptional durability and suitable for a large range of surfaces like tanks, hoppers, conveyors, silos, and more
- Moisture and chemical resistant – IP66 rated
- Maximum exposure temperature up to 450°F
- 48 in silicone rubber power cord with bare wire (no plug) - temperature controller required. See pages 9 - 10 for options
- Optional pressure sensitive adhesive (PSA) backing for easy installation on a wide range of surfaces

Size	Surface Type	Watts	Part No. 120 VAC	Price	With PSA Backing	
					Part No. 120 VAC	Price
6 x 12 in	Metal	180	SRL06121	\$71	SRL06121P	\$79
6 x 24 in		360	SRL06241	\$99	SRL06241P	\$119
6 x 36 in		540	SRL06361	\$152	SRL06361P	\$174
12 x 12 in		360	SRL12121	\$99	SRL12121P	\$119
12 x 24 in		720	SRL12241	\$170	SRL12241P	\$195
24 x 24 in		1440	SRL24241	\$328	SRL24241P	\$380
24 x 36 in	Poly	2160	SRL24361	\$432	SRL24361P	\$545
6 x 12 in		90	SRP06121	\$71	SRP06121P	\$79
6 x 24 in		180	SRP06241	\$99	SRP06241P	\$119
6 x 36 in		270	SRP06361	\$152	SRP06361P	\$174
12 x 12 in		180	SRP12121	\$99	SRP12121P	\$119
12 x 24 in		360	SRP12241	\$170	SRP12241P	\$195
24 x 24 in		720	SRP24241	\$328	SRP24241P	\$380
24 x 36 in		1080	SRP24361	\$432	SRP24361P	\$545



Many more sizes and options to choose from. Contact us for a quote.

WIDE RANGE OF SILICONE HEATERS

• ANY SIZE • ANY SHAPE • CUT-OUTS, NOTCHES & HOLES

Silicone Rubber Heating Blankets with Adjustable Thermostat Control

- Exceptional durability and suitable for a large range of surfaces like tanks, hoppers, conveyors, silos, and more
- Moisture and chemical resistant – IP54 rated
- Maximum exposure temperature up to 450°F
- 72 in silicone rubber power cord with standard 3-prong plug
- Optional pressure sensitive adhesive (PSA) backing for easy installation on a wide range of surfaces

Size	Surface Type	Thermostat Range	Watts	Part No. 120 VAC	Price	With PSA Backing	
						Part No. 120 VAC	Price
6 x 12 in	Metal	Up to 425°F	180	SRL06121ADJB	\$126	SRL06121PADJB	\$135
6 x 24 in			360	SRL06241ADJB	\$159	SRL06241PADJB	\$170
6 x 36 in			540	SRL06361ADJB	\$212	SRL06361PADJB	\$233
12 x 12 in			360	SRL12121ADJB	\$159	SRL12121PADJB	\$169
12 x 24 in			720	SRL12241ADJB	\$230	SRL12241PADJB	\$254
24 x 24 in			1440	SRL24241ADJB	\$388	SRL24241PADJB	\$439
6 x 12 in	Plastic	Up to 160°F	90	SRP06121ADJB	\$126	SRP06121PADJB	\$135
6 x 24 in			180	SRP06241ADJB	\$159	SRP06241PADJB	\$170
6 x 36 in			270	SRP06361ADJB	\$212	SRP06361PADJB	\$233
12 x 12 in			180	SRP12121ADJB	\$159	SRP12121PADJB	\$169
12 x 24 in			360	SRP12241ADJB	\$230	SRP12241PADJB	\$254
24 x 24 in			720	SRP24241ADJB	\$388	SRP24241PADJB	\$439



Many more sizes and options to choose from. Contact us for a quote.



When ordered without plug (remove 'B' from end of part no.)

Standard-Duty Silicone Rubber Heating Blankets

- Standard durability and suitable for a large range of surfaces like tanks, hoppers, conveyors, silos, and more
- Thin low-profile design
- Moisture and chemical resistant – IP66 rated
- Maximum exposure temperature up to 450°F
- 10 in PFA extruded power leads with bare wire (no plug) - temperature controller required. See pages 9-10 for options
- Optional pressure sensitive adhesive (PSA) backing for easy installation on a wide range of surfaces



Size	Watts	Part No. 120 VAC	Price
1 x 4 in	20	SRW010-040A-10	\$29.74
1 x 10 in	50	SRW010-100A-10	\$33.64
1 x 20 in	100	SRW010-200A-10	\$40.14
1 x 30 in	150	SRW010-300A-10	\$46.64
1 x 40 in	200	SRW010-400A-10	\$53.14
1 x 80 in	400	SRW010-800A-10	\$79.14
2 x 5 in	50	SRW020-050A-10	\$33.64
2 x 10 in	100	SRW020-100A-10	\$40.14
2 x 20 in	200	SRW020-200A-10	\$53.14
2 x 30 in	300	SRW020-300A-10	\$66.14
2 x 40 in	400	SRW020-400A-10	\$79.14
3 x 3 in	45	SRW030-030A-10	\$32.99
3 x 5 in	75	SRW030-050A-10	\$36.89
3 x 10 in	150	SRW030-100A-10	\$46.64
3 x 20 in	300	SRW030-200A-10	\$66.14

Size	Watts	Part No. 120 VAC	Price
3 x 30 in	450	SRW030-300A-10	\$85.64
3 x 40 in	600	SRW030-400A-10	\$105.14
4 x 4 in	80	SRW040-040A-10	\$37.54
4 x 15 in	300	SRW040-100A-10	\$53.14
4 x 20 in	400	SRW040-200A-10	\$79.14
4 x 30 in	600	SRW040-300A-10	\$105.14
4 x 40 in	800	SRW040-400A-10	\$131.14
5 x 10 in	250	SRW050-100A-10	\$59.64
5 x 20 in	500	SRW050-200A-10	\$92.14
5 x 30 in	750	SRW050-300A-10	\$124.64
5 x 40 in	1000	SRW050-400A-10	\$157.14
6 x 10 in	300	SRW060-100A-10	\$66.14
6 x 20 in	600	SRW060-200A-10	\$105.14
6 x 30 in	900	SRW060-300A-10	\$144.14
6 x 40 in	1200	SRW060-400A-10	\$192.40



Many more sizes and options to choose from. Contact us for a quote.

TO MEET ANY APPLICATION AND BUDGET

• CUSTOM CONFIGURATIONS • HAZARDOUS-AREA RATED • WITH BUILT-IN CONTROL

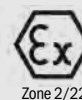
Hazardous-Area Rated Silicone Rubber Heating Blankets

- Hazardous-area rated for T3 or T4A environments
- Exceptional durability and suitable for a large range of surfaces like tanks, hoppers, conveyors, silos, and more
- Built-in 3/4-14 NPSM conduit fitting protects electrical wiring (conduit sold separately)
- Moisture and chemical resistant – IP54 rated
- 12 in silicone rubber power leads with bare wire (no plug) - temperature controller required. See page 10 for options
- Optional pressure sensitive adhesive (PSA) backing for easy installation on a wide range of surfaces

Size	T-Rating	Watts	Part No. 120 VAC	Price	With PSA Backing Part No. 120 VAC	Price
6 x 12 in	T3	180	SRX06121801T3	\$252	SRX06121801PT3	\$271
12 x 12 in		360	SRX12123601T3	\$313	SRX12123601PT3	\$335
12 x 24 in		720	SRX12247201T3	\$499	SRX12247201PT3	\$549
6 x 12 in	T4A	180	SRX06121801T4A	\$252	SRX06121801PT4A	\$271
12 x 12 in		360	SRX12123601T4A	\$313	SRX12123601PT4A	\$335
12 x 24 in		720	SRX12247201T4A	\$499	SRX12247201PT4A	\$549



Many more sizes and options to choose from. Contact us for a quote.



518-877-0231
EXPERT APPLICATION ASSISTANCE

**THOUSANDS OF STANDARD
PARTS TO CHOOSE FROM**
CUSTOMS AVAILABLE UPON REQUEST

thermalproducts.com

TC4X Digital Temperature Controller in NEMA4X Enclosure

- Backlit LCD display with 3-button touchpad interface
- NEMA4X/IP67 watertight plastic enclosure
- Temperature Control Range: -40°F to 212°F
- Programmable and displays in °F and °C
- Temperature Sensor: A99 PTC Sensor 1/4 in (6 mm) diameter, field replaceable
- Single-Pole Double Throw (SPDT)
- Output Relay: 15A at 110/120 VAC or 10A at 208/230/240 VAC

Sensor Lead Length	Part No.	Price
9 in	TC4X-1	\$118
78 in	TC4X-2	\$132

Accessories:

Description	Part No.	Price
1/2 in diameter watertight conduit fitting suitable for NEMA 4 and 6 enclosures. Fits cable 0.17 in to 0.45 in diameter.	41276-04	\$3



UL US LISTED

CE



SDCE Digital On/Off Benchtop Temperature Controller

NEW!



- Programmable and displays in °C or °F
- Accuracy: +/- 0.5% span +/- 1 digit @25°C ambient environment
- Temperature sensor: 5 ft long, Choice of RTD, Type-J, and Type-K thermocouple
- Output to heater: Standard 3-prong ground plug receptacle, 8 Amps rated
- Input power cord: 7.6 ft with standard 3-prong ground plug
- Ideal for a wide range of heaters

CE

Sensor Type	Part No. 120VAC	Price
PT100-RTD	SDCERA	\$269
Type-J Thermocouple	SDCEJA	\$269
Type-K Thermocouple	SDCEKA	\$269

WIDE RANGE OF TEMPERATURE

TD Automatic On/Off Thermostat Control

- Temperature sensitive bimetal disc thermostat
- Hermetically sealed black phenolic plastic housing
- Rated: 25 Amps, up to 277 VAC



APPROVED
Class I Division 2
(with conduit fitting)



Settings Open / Close (°F)	Part No.	Price	Part No. with conduit fitting	Price
47 / 37	TD101N-050	\$60	TD101X-050	\$84
60 / 45	TD101N-060	\$60	TD101X-060	\$84
75 / 60	TD101N-075	\$60	TD101X-075	\$84
105 / 90	TD101N-105	\$60	TD101X-105	\$84
200 / 185	TD101N-200	\$60	TD101X-200	\$84

TTD Outdoor-Use Digital On/Off Temperature Controller

- Digital on/off controller with average accuracy of +/- 1% full scale
- Suitable for outdoor-use
- Type-K thermocouple sensor input
- Rated: 15 amps
- Output to heater: Four-pin receptacle with mating plug assembly for heater
- Input power cord: 6 ft with standard 3-prong ground plug
- NEMA 4X/IP64 enclosure



Temperature Range	Part No. 120VAC	Price
32 to 175 °F	TTD175-K120	\$499
32 to 500 °F	TTD500-K120	\$499
32 to 999 °F	TTD999-K120	\$499

Sensor

Type	Length	Part No.	Price
Type-K Thermocouple sensor - outdoor-use	10 ft	TCKN10-DA	\$42

Heater Plug Assembly

Part No.	Price
11646	\$13.00



X2 PID Benchtop Temperature Controller

- Advanced PID control for highest accuracy
 - Type J thermocouple: $\pm 0.9^{\circ}\text{F}$
 - Type K thermocouple: $\pm 0.5^{\circ}\text{F}$
- Programmable temperature range: 32 to 1400°F
- User programmable alarm types including latching options
- Rated: 15 amps
- Output to heater: Standard 3-prong ground plug receptacle
- Input power cord: 5 ft with standard 3-prong ground plug



Sensor Input	Part No. 120VAC	Price
Type-J Thermocouple	X2-120JTP	\$645
Type-K Thermocouple	X2-120KTP	\$645

Type	Length	Part No.	Price
Type-J Thermocouple	10 ft	TAJN10-AA	\$45
Type-K Thermocouple	10 ft	TAKN10-DA	\$45

MPC2 Multi-Point Digital PID Temperature Controller

- Fully Configurable for enclosure type, sensors, number of zones, voltages, alarms, connections, communications, and protection
- Advanced auto-tuning PID control
- 12-step temperature and ramp/soak programming control
- Actual and Set-point programmable as $^{\circ}\text{C}$ or $^{\circ}\text{F}$
- Store up to 4 programs for easy repeatability
- 2 levels of password protection
- Large 2-line, 3-color display simultaneously shows PV (actual) and SV (set) temperatures
- Alarms as Audible, Dry Contact (remote), or both
- Compatible with a broad range of heaters



Configure-to-Order
Request Your Quote Today!

NEW!

CONTROLLER SOLUTIONS

TB250 All-Purpose Bulb and Capillary Temperature Controller

- Enclosure rated NEMA 3R for outdoor use
- Tinned copper bulb and capillary, 10 feet long
- Average accuracy of $\pm 5^{\circ}\text{F}$
- Single pole, double throw (SPDT) contacts
- Rated: 22 amps, up to 277VAC



Temperature Range	Part No.	Price
0 to 150°F	TB250N-150	\$249
100 to 250°F	TB250N-250	\$259
200 to 350°F	TB250N-350	\$269

TB110 Hazardous-Area Bulb and Capillary Temperature Controller

- Enclosure rated NEMA 7 & 9, for hazardous areas
- 304 stainless steel bulb and capillary, 10 feet long
- Average accuracy of $\pm 5^{\circ}\text{F}$
- Single pole, double throw (SPDT) contacts
- Rated: 22 amps, up to 480VAC



Class I Division 1 & 2 Group B, C, D
Class II Division 1 & 2 Group E, F, G
Class III
Class I, Zone 1, Group IIB + H2 T6



II 2 G Ex d IIC T6 Gb
II 2 D Ex tb IIIC T85°C Db IP66
Tamb = -40°C to 75°C



Ex d IIC T6 Gb
Ex tb IIIC T85°C Db IP66
Tamb = -40°C to 75°C

Other temperature ranges and ambient sensing version available upon request.



Type	Temperature Range	Part No.	Price
Single Set-point	25 to 325° F	TB111N-325	\$429
Dual Set-point	25 to 325° F	TB112N-325	\$569



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- Design to Heat Any Object
- Custom Wattages and Voltages
- Cut-outs and Holes
- Custom Power Plugs
- Custom Temperature Controls