

Your *Heating* Specialist since 1949

NEW SDC Temperature Controller with Heater Bundles

Bundle your:

- Heating Mantles
- Beaker Heaters
- Heating Tapes
- Heating Cords

with our

SDC-Benchtop Digital Controller
and receive special pricing!

**COMPLETE
PLUG-AND-PLAY
SOLUTION**

Includes
Temperature Controller
Heater &
Sensor

Bundle Highlights

- ✓ Special pricing
- ✓ Many choices and options
- ✓ Ideal for a wide range of applications including pipe heating, valves, glassware, gas lines, temporary heat, and more!



BUNDLES

About the Included SDC Temperature Controller

All-inclusive, plug-and-play temperature controller: Includes everything you need...

- Compact benchtop on/off digital temperature controller
- Choice of 5-foot (1.5m) J-type or K-type factory installed thermocouple sensor
- 5-foot (1.5 m) input power cord with standard 120V three-prong plug (NEMA 5-15)*
- 5-foot (1.5 m) output power cord with standard 120V three-prong receptacle (NEMA 5-15R)*



SDC Temperature Controller Specifications:

- On/off digital controller
- Easy to program and operate
- Small size: 5.5" L x 4.25" W x 1.75" H (140mm L x 108mm W x 45mm H)
- Choice of controller that displays in °C or °F
- Temperature control range: 32-999°F (°F models) or 0-700°C (°C models)
 - Accuracy: +/- 1% FS
- Choice of factory installed 5-foot J-type or K-type thermocouple sensor
- 120VAC power input*
- Relay output rated for 10A @ 120VAC
- In the case of probe failure, heating can be selected on, off or periodical running.
- Upper and lower limits of the setpoint can be adjusted.
- Hysteresis adjustable between 1 and 99 degrees.
- Exposure temperature: 32-158°F (0-70°C)
 - 80% humidity non-condensing
- Temperature controller approvals:



* Contact factory if 240VAC is desired.



Next Step: Choose Your Heater. See Next Few Pages for Choices and Ordering Information.

SDC Temperature Controller with BIH/BWH Heavy Insulated Heating Tape Bundle

Heavy-Insulated Heating Tape Specifications:

- Exceptional flexibility and durability
- Rapid thermal response
- Suitable for electrically conductive surfaces
- Maximum exposure temperature:
 - BIH series: 900°F (482°C)
 - BWH series: 1400°F (760°C)
- Construction:
 - BIH series: Fiberglass knitted and braided
 - BWH series: Samox® knitted and braided
- Power density:
 - BIH series: 8.6 watts/in² (0.013 watts/mm²)
 - BWH series: 13.1 watts/in² (0.020 watts/mm²)
- Includes 9" (230mm) long high-temperature tie-downs for easy installation
- Power leads are 24" (610mm) long with split 2-prong power plug (choice of leads same end or opposite ends)
- Heater approvals:  



Split plug

Ordering Information:

BIH series: Heavy Insulated
Power Leads on Same End

Heating Tape Type				Controller Type		Bundle Part Number	
Width in (mm)	Length ft (m)	Total Watts	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
0.50 (13)	2 (0.6)	105	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051020L	SDC_JCA-BIH051020L
0.50 (13)	4 (1.2)	210	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051040L	SDC_JCA-BIH051040L
0.50 (13)	6 (1.8)	310	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051060L	SDC_JCA-BIH051060L
0.50 (13)	8 (2.4)	420	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051080L	SDC_JCA-BIH051080L
0.50 (13)	10 (3.1)	520	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051100L	SDC_JCA-BIH051100L
0.50 (13)	12 (3.7)	620	900°F (482°C)	120V	J-Type	SDC_JFA-BIH051120L	SDC_JCA-BIH051120L
1.00 (25)	1 (0.3)	105	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101010L	SDC_JCA-BIH101010L
1.00 (25)	2 (0.6)	210	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101020L	SDC_JCA-BIH101020L
1.00 (25)	4 (1.2)	420	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101040L	SDC_JCA-BIH101040L
1.00 (25)	6 (1.8)	620	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101060L	SDC_JCA-BIH101060L
1.00 (25)	8 (2.4)	830	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101080L	SDC_JCA-BIH101080L
1.00 (25)	10 (3.1)	1045	900°F (482°C)	120V	J-Type	SDC_JFA-BIH101100L	SDC_JCA-BIH101100L

BWH series: High-Temperature Heavy Insulated
Power Leads on Same End

Heating Tape Type				Controller Type		Bundle Part Number	
Width in (mm)	Length ft (m)	Total Watts	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
0.50 (13)	2 (0.6)	156	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051020L	SDC_JCA-BWH051020L
0.50 (13)	4 (1.2)	313	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051040L	SDC_JCA-BWH051040L
0.50 (13)	6 (1.8)	470	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051060L	SDC_JCA-BWH051060L
0.50 (13)	8 (2.4)	627	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051080L	SDC_JCA-BWH051080L
1.00 (25)	2 (0.6)	313	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101020L	SDC_JCA-BWH101020L
1.00 (25)	4 (1.2)	627	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101040L	SDC_JCA-BWH101040L
1.00 (25)	6 (1.8)	940	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101060L	SDC_JCA-BWH101060L



Ordering Options:

- **K-Type thermocouple:** Replace J with K in part number
- **Single power lead on opposite ends of heating tape:** Remove "L" from end of part number

Need a heater with a different voltage, size, or wattage? Contact us for assistance.

SDC Temperature Controller with BSO Silicone Rubber Heating Tape Bundle

Silicone Rubber Heating Tape Specifications:

- Moisture and chemical resistant
 - Silicone rubber extruded outer sheath
- Exceptional flexibility and durability
- Suitable for electrically conductive surfaces
- Power density: 4.3 watts/ in² (0.007 watts/mm²)
- Power leads are 24" (610mm) long with split 2-prong power plug (leads same end or opposite ends)
- Heater approvals:  



Ordering Information:

Power Leads on Same End



Heating Tape Type				Controller Type		Bundle Part Number	
Width in (mm)	Length ft (m)	Total Watts	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
0.50 (13)	2 (0.6)	52	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051020L	SDC_JCA-BS0051020L
0.50 (13)	4 (1.2)	104	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051040L	SDC_JCA-BS0051040L
0.50 (13)	6 (1.8)	156	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051060L	SDC_JCA-BS0051060L
0.50 (13)	8 (2.4)	209	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051080L	SDC_JCA-BS0051080L
0.50 (13)	10 (3.1)	261	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051100L	SDC_JCA-BS0051100L
0.50 (13)	12 (3.7)	313	450°F (232°C)	120V	J-Type	SDC_JFA-BS0051120L	SDC_JCA-BS0051120L
1.00 (25)	2 (0.6)	104	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101020L	SDC_JCA-BS0101020L
1.00 (25)	4 (1.2)	209	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101040L	SDC_JCA-BS0101040L
1.00 (25)	6 (1.8)	313	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101060L	SDC_JCA-BS0101060L
1.00 (25)	8 (2.4)	418	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101080L	SDC_JCA-BS0101080L
1.00 (25)	10 (3.1)	522	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101100L	SDC_JCA-BS0101100L
1.00 (25)	12 (3.7)	627	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101120L	SDC_JCA-BS0101120L
1.00 (25)	14 (4.3)	731	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101140L	SDC_JCA-BS0101140L
1.00 (25)	16 (4.9)	836	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101160L	SDC_JCA-BS0101160L
1.00 (25)	18 (5.5)	940	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101180L	SDC_JCA-BS0101180L
1.00 (25)	20 (6.1)	1075	450°F (232°C)	120V	J-Type	SDC_JFA-BS0101200L	SDC_JCA-BS0101200L

Ordering Options:

- K-Type thermocouple:** Replace J with K in part number
- Single power lead on opposite ends of heating tape:** Remove "L" from end of part number

SDC Temperature Controller with BWH-D Dual-Element Heating Tape Bundle

Dual-Element Heating Tape Specifications:

- Dual element design increases flexibility
- Power density: 13.1 watts/in² (0.020 watts/mm²)
- Rapid thermal response
- Suitable for electrically conductive surfaces
- Power leads are 24" (610mm) long with standard 2-prong power plug
- Includes 9" (230mm) long high-temperature tie-downs for easy installation
- Heater approvals:  



Ordering Information:

Heating Tape Type				Controller Type		Bundle Part Number	
Width in (mm)	Length ft (m)	Total Watts	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
0.50 (13)	2 (0.6)	156	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051020LD	SDC_JCA-BWH051020LD
0.50 (13)	4 (1.2)	312	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051040LD	SDC_JCA-BWH051040LD
0.50 (13)	6 (1.8)	468	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051060LD	SDC_JCA-BWH051060LD
0.50 (13)	8 (2.4)	624	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051080LD	SDC_JCA-BWH051080LD
0.50 (13)	10 (3.1)	780	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH051100LD	SDC_JCA-BWH051100LD
1.00 (25)	2 (0.6)	312	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101020LD	SDC_JCA-BWH101020LD
1.00 (25)	4 (1.2)	624	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101040LD	SDC_JCA-BWH101040LD
1.00 (25)	6 (1.8)	940	1400°F (760°C)	120V	J-Type	SDC_JFA-BWH101060LD	SDC_JCA-BWH101060LD

Ordering Options:

- K-Type thermocouple:** Replace J with K in part number

SDC Temperature Controller with Heating Cord Bundle

Heating Cord Specifications:

- 3/16" (4.8mm) diameter heating cord
- Exceptional flexibility: Can be wrapped around objects as small as 1/8" (3mm) diameter
- Suitable for electrically conductive surfaces
- Double-braided fiberglass (standard or high-temperature Samox®) outer sheath
- Includes 9" (230mm) long high-temperature tie-downs for easy installation
- Power leads are 2ft to 6ft (0.6 to 1.8m) long with split 2-prong power plug.
- Heater approvals:  



Split plug

Ordering Information:

HTC series: Heating Cords

Heating Cord Type					Controller Type		Bundle Part Number	
Cord Length ft	Cord Length m	Total Watts	Lead Length	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
0.5	1.2	17	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451007	SDC_JCA-HTC451007
1	1.8	22	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451006	SDC_JCA-HTC451006
2	0.6	43	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451005	SDC_JCA-HTC451005
3	0.9	64	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451001	SDC_JCA-HTC451001
4	1.2	82	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451008	SDC_JCA-HTC451008
6	1.8	125	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451002	SDC_JCA-HTC451002
8	2.4	170	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451009	SDC_JCA-HTC451009
12	3.7	260	2ft (0.6m)	900°F (482°C)	120V	J-Type	SDC_JFA-HTC451003	SDC_JCA-HTC451003

HWC series: High-Temperature Heating Cords

Heating Cord Type					Controller Type		Bundle Part Number	
Cord Length ft	Cord Length m	Total Watts	Lead Length	Max Exposure Temperature	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
4	1.2	266	2ft (0.6m)	1400°F (760°C)	120V	J-Type	SDC_JFA-HWC1040	SDC_JCA-HWC1040
6	1.8	355	2ft (0.6m)	1400°F (760°C)	120V	J-Type	SDC_JFA-HWC1060	SDC_JCA-HWC1060
12	3.7	750	6ft (1.8m)	1400°F (760°C)	120V	J-Type	SDC_JFA-HWC1120	SDC_JCA-HWC1120
18	5.5	1000	6ft (1.8m)	1400°F (760°C)	120V	J-Type	SDC_JFA-HWC1180	SDC_JCA-HWC1180

Ordering Options:



- **K-Type thermocouple:** Replace J with K in part number

**Need a different heater size, voltage, or wattage?
Contact us or your local distributor to design a temperature
controller and heater bundle specifically for you.**

BUNDLES

SDC Temperature Controller with GBH Silicone Rubber Griffin Beaker Heater

Beaker Heater Specifications:

- Provides even heat for Griffin beaker heating applications
- Moisture and chemical resistant
- Removable with VELCRO®-like closure. Easy access to graduation
 - 1" (25mm) wide hook and loop fastener
- Power density: 5.0 watts/in² (0.008 watts/mm²)
- Maximum exposure temperature: 450°F (232°C)
- Heating element is laminated between two layers of 15mil fiberglass reinforced silicone rubber
- 24" (610mm) long power leads with standard 2-prong power plug (NEMA 1-15).
- Heater approvals:  



Ordering Information:




Beaker Size		Heater Specifications			Controller Type		Bundle Part Number	
Size ml	Diameter in (mm)	Height in (mm)	Width in (mm)	Total Watts	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
250	2.7 (69)	3.0 (76)	12.25 (311)	150	120V	J-Type	SDC_JFA-GBH0250-1	SDC_JCA-GBH0250-1
400	3.0 (76)	3.5 (89)	13.75 (349)	200	120V	J-Type	SDC_JFA-GBH0400-1	SDC_JCA-GBH0400-1
600	3.6 (91)	4.0 (102)	15.00 (381)	250	120V	J-Type	SDC_JFA-GBH0600-1	SDC_JCA-GBH0600-1
1000	4.3 (109)	4.6 (117)	17.25 (438)	350	120V	J-Type	SDC_JFA-GBH1000-1	SDC_JCA-GBH1000-1

Ordering Options:

- **K-Type thermocouple:** Replace J with K in part number

SDC Temperature Controller with Lower Hemispherical Heating Mantle Bundle

Lower Hemispherical Heating Mantle Specifications:

- Molded to provide even and safe heat on the bottom of a round-bottom flask. Ideal for use with a basket ring stand
- Low-watt density
- Maximum exposure temperature: 842°F (450°C)
- 3" (76mm) power leads with twist-lock plug that connects into supplied 4ft (1.2m) power cord with standard 2-prong power plug (NEMA 1-15).
- Heater approvals:   



Ordering Information:

Mantle Heater		Controller Type		Bundle Part Number	
Size ml	Total Watts	Voltage	Sensor Type	Fahrenheit Display (°F)	Celsius Display (°C)
50	60	120V	J-Type	SDC_JFA-HM0050-HS1	SDC_JCA-HM0050-HS1
100	80	120V	J-Type	SDC_JFA-HM0100-HS1	SDC_JCA-HM0100-HS1
125	80	120V	J-Type	SDC_JFA-HM0125-HS1	SDC_JCA-HM0125-HS1
200	100	120V	J-Type	SDC_JFA-HM0200-HS1	SDC_JCA-HM0200-HS1
250	180	120V	J-Type	SDC_JFA-HM0250-HS1	SDC_JCA-HM0250-HS1
500	270	120V	J-Type	SDC_JFA-HM0500-HS1	SDC_JCA-HM0500-HS1
1000	380	120V	J-Type	SDC_JFA-HM1000-HS1	SDC_JCA-HM1000-HS1
2000	500	120V	J-Type	SDC_JFA-HM2000-HS1	SDC_JCA-HM2000-HS1
3000	500	120V	J-Type	SDC_JFA-HM3000-HS1	SDC_JCA-HM3000-HS1
5000	600	120V	J-Type	SDC_JFA-HM5000-HS1	SDC_JCA-HM5000-HS1

Ordering Options:

- **K-Type thermocouple:** Replace J with K in part number

Need a heater with a different voltage, size, or wattage? Contact us for assistance.