

# Strip Heater - SD Series



SD Series strip heaters have two bolt type terminals at opposite ends. Table 18 lists heaters having aluminized steel sheath.

## Aluminum Steel Sheath

The entire heater assembly is encased in an aluminized steel sheath and is compressed under high pressure. The sheath provides both corrosion resistance and an attractive appearance. Aluminized steel strip heaters are suitable for applications where the maximum sheath temperature does not exceed 1000°F (538°C).

If higher temperatures are anticipated use stainless steel heaters listed in Table 18.

## Installation

Standard strip heaters listed are rated at 120V and 240V. All strip heaters can be used on voltages lower than listed for reduced wattage, and some designs can also be used on higher voltages - check factory.

Whenever voltage to ground exceeds 300V, secondary insulators must be used. See Special Features on page A30.

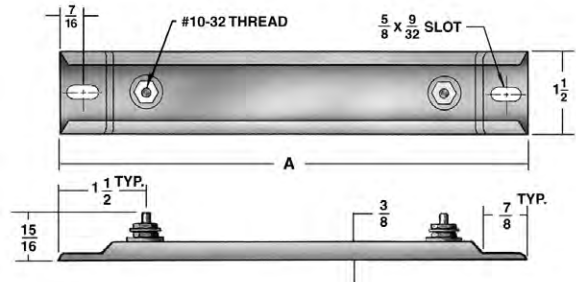


Figure 53

Table 16 – Type SD Strip Heaters: Terminals at Each End/Aluminized Steel Sheath

'A' Dim.		Watts	Watts Per		Caloritech™ Catalog No.		Chromalox Catalog No.	
in.	mm		in <sup>2</sup>	cm <sup>2</sup>	120V	240V	120V	240V
7 ¼	184	100	8.2	1.3	SD1001	—	—	—
7 ¼	184	150	12.3	1.9	SD1011	—	—	—
8	203	150	10	1.6	SD1021	SD1032	S815	S815
9 ½	241	200	9.7	1.5	SD1041	SD1052	S920	—
11 ¾	298	250	8.6	1.3	SD1061	SD1072	S1225	S1225
14	356	300	8.0	1.2	SD1131	SD1142	S1430	—
15	381	325	7.9	1.2	SD1151	SD1162	—	—
17 ¾	451	350	6.8	1.1	SD1171	SD1182	—	—
17 ¾	451	375	7.3	1.1	SD1191	SD1202	—	—
17 ¾	451	500	9.7	1.5	SD1211	SD1222	S1850	S1850
19 ½	495	500	8.6	1.3	SD1231	SD1242	—	—
21	533	500	7.8	1.2	SD1291	SD1302	S2050	—
23 ½	597	250	3.4	0.5	SD1311	SD1322	—	S2425
23 ½	597	500	6.8	1.1	SD1331	SD1342	S2450	S2450
25 ½	648	750	9.3	1.4	SD1401	SD1412	—	—
26 ¾	679	700	8.2	1.3	SD1421	SD1432	—	—
30 ¼	768	750	7.6	1.2	SD1441	SD1452	—	S3075
33 ½	851	750	6.8	1.1	SD1461	SD1472	—	—
35 ¾	908	1000	8.4	1.3	SD1481	SD1492	—	S3610
38 ½	978	1000	7.7	1.2	SD1501	SD1512	—	—
42 ¼	1073	1250	8.7	1.3	SD1521	SD1532	—	—

## Stainless Steel Sheath

The entire heater assembly is encased in a stainless steel sheath and is compressed under high pressure. The sheath combines additional corrosion protection and excellent appearance. Stainless steel strip heaters are suitable for applications where the maximum sheath temperature does not exceed 1200°F (649°C).

Heaters with high temperature stainless steel sheath are listed in Table 19.

## Installation

Standard strip heaters listed are rated at 120V and 240V. All strip heaters can be used on voltages lower than listed for reduced wattage, and some designs can also be used on higher voltages - check factory.

Whenever voltage to ground exceeds 300V, secondary insulators must be used. See Special Features on page A30.

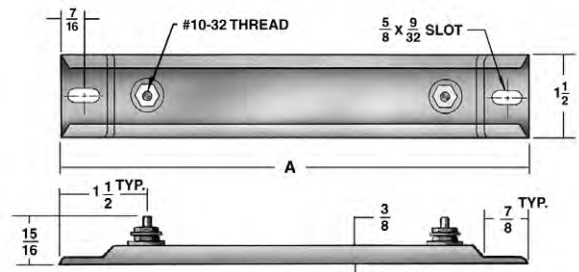


Figure 54

### To Order Specify

- Quantity
- Wattage
- Catalog number
- Special features
- Voltage

Table 17 – Type SD Strip Heaters - Terminals at Each End/Stainless Steel Sheath

'A' Dim.		Watts	Watts Per		Caloritech™ Catalog No.		Chromalox Catalog No.	
in.	mm		in <sup>2</sup>	cm <sup>2</sup>	120V	240V	120V	240V
7 ¼	184	100	8.2	1.3	SD2001	—	—	—
7 ¼	184	200	16.4	2.5	SD2011	—	—	—
8	203	250	16.7	2.6	SD2021	SD2032	—	—
9 ½	241	300	14.5	2.2	SD2041	SD2052	—	—
11 ¾	298	100	3.4	0.5	—	SD2062	—	—
11 ¾	298	250	8.6	1.3	SD2071	SD2082	S1202	S1202
11 ¾	298	350	12.0	1.9	SD2091	SD2102	—	—
11 ¾	298	500	17.2	2.7	SD2111	SD2122	—	S1205
14	356	500	13.3	2.1	SD2131	SD2142	—	—
15	381	500	12.1	1.9	SD2151	SD2162	—	—
17 ¾	451	500	9.7	1.5	SD2171	SD2182	S1805	S1805
17 ¾	451	750	14.5	2.2	SD2191	SD2202	—	S1807
17 ¾	451	1000	19.4	3.0	SD2211	SD2222	S1801	S1801
19 ½	495	500	8.6	1.3	SD2231	SD2242	—	—
19 ½	495	750	12.9	2.0	SD2251	SD2262	—	S1907
19 ½	495	1000	17.2	2.7	SD2271	SD2282	—	—
21	533	500	7.8	1.2	SD2291	SD2302	S2005	—
23 ½	597	500	6.8	1.1	SD2311	SD2322	S2405	S2404
23 ½	597	750	10.3	1.6	SD2341	SD2352	S2407	S2407
23 ½	597	1000	13.7	2.1	SD2361	SD2372	S2401	S2401
23 ½	597	1500	20.5	3.2	SD2381	SD2392	—	—
25 ½	648	1000	12.4	1.9	SD2401	SD2412	—	—
26 ¼	679	750	8.8	1.4	SD2421	SD2432	—	—
30 ¼	768	750	7.6	1.2	SD2441	SD2452	—	—
33 ½	851	1000	9.0	1.4	SD2461	SD2472	—	S3301
35 ¼	908	1000	8.4	1.3	SD2481	SD2492	—	S3601
38 ½	978	1000	7.7	1.2	SD2501	SD2512	—	—
42 ¼	1073	1500	10.5	1.6	SD2521	SD2532	—	—