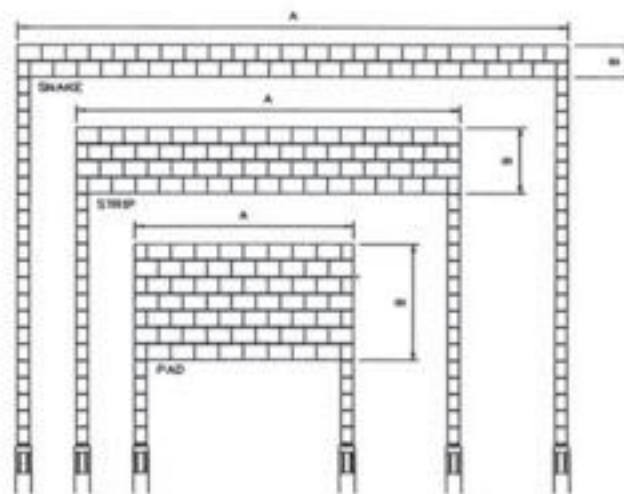
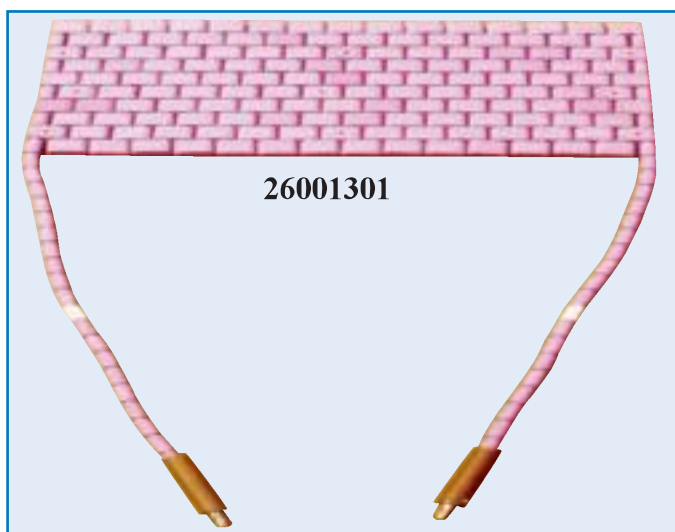


**Construction**

Flexible ceramic pad (FCP) heaters are manufactured by weaving multi-stranded 80/20 Nichrome electric resistance heating wire through passages within interlocking ceramic beads. The beads are molded from sintered 94% Alumina ceramics, more than 3/8-inch thick. The Alumina has excellent high-temperature dielectric properties which combined with the interlocking bead design provide FCP heaters with exceptional electrical insulating qualities.

**Flexibility**

The interlocking bead design imposes rigidity along the heater length while allowing flexibility along the heater width, enabling it to conform to the curved surfaces of pipes and pressure vessels. A nominal nine-inch length of nickel wire is welded to each end of the Nichrome wire to create a cold tail to prevent the electrically insulated camlock connectors from being heated.



**Thermal Power**

FCP heaters are generally available to two standard values: 80VAC, which are the most common, and 60VAC. Custom designed heaters, however, can also be provided. All 80VAC heaters are rectangular with a surface area of 120 square inches and a thermal power of 3.6 kW, producing a power density of 30 W/in<sup>2</sup> with an electrical current of 45 amps. The 60VAC counterparts are simply three-quarters the size of an 80VAC pad with a surface area of 90 square inches and a 2.7 kW thermal power but with the same power density and electric current. All 80VAC heaters can be run on 60VAC, but their kW output is reduced from 3.6 to 2. Their rectangular shapes are available in the following variety of width and length combinations.

**80VAC HEATERS**

Part Number	Type	Width (A) (Inches)	Height (B) (Inches)
26000701	CP3	3	39
26000801	CP4	4	29
26000901	CP6	6	19 1/2
26001001	CP8	8	14 1/2
26001101	CP10	10	12 1/2
26001201	CP12	12	9 3/4
26001301	CP15	15	8
26001401	CP18	18	6 1/2
26001501	CP21	21	5 3/4
26001601	CP24	24	5
26001701	CP29	29	4
26001801	CP36	36	3 1/4
26001901	CP72	72	1 3/4
26002001	CP120	1	120



**60VAC HEATERS**

Part Number	Type	Width (A) (Inches)	Height (B) (Inches)
26002101	CP3	3	28 1/2
26002201	CP4	4	21
26002301	CP6	6	14 1/2
26002401	CP8	8	10
26002501	CP10	10	9
26002601	CP12	12	7 1/4
26002701	CP15	15	5 3/4
26002801	CP18	18	5
26002901	CP21	21	4
26003001	CP26	26	3 1/4
26003101	CP52	52	1 3/4
26003201	CP87	1	87

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