

Coiled Wire Heating Elements and Element Holders

When you need the best quality, price, delivery, and technical support, call Keith first! *Why?*

1. Keith provides the highest quality wire elements and ceramic holders for virtually any furnace.
2. Our pricing is very competitive, and we offer volume discounts on large orders.
3. Emergency orders can often be shipped within 24 hours. Keith also offers just-in-time and blanket order programs to ensure you have replacement elements right when you need them.
4. Keith provides comprehensive heating element and furnace technical support services.
5. Our customer service people are among the friendliest and most helpful in the business.



To facilitate ordering the correct elements and holders, fill in the blanks before contacting Keith.

STEP ONE – Element Type

Indicate the type of element that you need:

- Type "A" Wire coil only: _____
- Type "B" Wire coil wound around a ceramic support tube: _____
- Type "C" Wire coil wound in grooves in a flat element plate(s): _____
- Type "D" Wire coil wound in grooves in a round element plate(s): _____

Note: Design details will be filled in below.

STEP TWO – Wire Element Data

1. Has Keith supplied these elements for you before? (Circle one) Yes / No
2. What was your order date and PO number? _____
3. How many elements do you need? (Quantity) _____
4. If Keith has never supplied these specific wire heating elements for you before, please turn to page 2 and answer as many questions as possible. The wiring diagrams on page 3 can help you answer some of the questions.

If you'd like some help filling out this form, contact a Keith specialist for immediate assistance.

SPIRAL WOUND ELEMENT DESIGN DATA QUESTIONNAIRE

1 What is the maximum operating temperature of kiln (furnace) ?	°F	or	°C	
2 What is the kiln (furnace) supply voltage ?	Volts		Hz	
3 What is the number of phases connected to your kiln (furnace) ?	Single Phase	or	3 Phase	Circle one
4 What is the supply current per phase ?	Amps			
5 What is the total connected heating power ?	KW	or	KVA	
6 What is the element voltage ?	Volts			
7 What is the element current ?	Amps			
8 What is the total number of elements in this kiln (furnace) ?	[]			
9 How many elements are connected in series ?	[]			
10 How many parallel branches of elements ?	[]			
11 What is the wire gauge of the element?	AWG			
12 How long is the element tail (terminal end) ?	in.			
13 Is the element tail (terminal end) Single (1), Double (2) or Triple ?	[]			
14 If the element tail is single what is used as terminal end ? (please describe)	[]			
15 What is the outside diameter of the element wire coil ?	in.			
15 What is the overall length of the element wire coil (overall stretch length) ?	in.			
16 Is element installed on ceramic tube or groove in furnace wall ?	On Tube	or	In Groove	Circle one
17 If installed on ceramic tube, what is the outside diameter ?	in.			
18 If installed on ceramic tube, what is the overall length of the tube ?	in.			
19 How many ceramic tubes are used per element ?	[]			
20 If element is installed in groove what is the groove diameter ?	in.			
21 If element is installed in groove what is the groove length ?	in.			
22 How many grooves are used per element ?	[]			

PLEASE, ENTER AS MANY FIELDS AS POSSIBLE!

For some circuit examples (fig.1, 2, 3) see the following page.

SPIRAL WOUND ELEMENT DESIGN DATA QUESTIONNAIRE

SINGLE PHASE CIRCUIT EXAMPLE

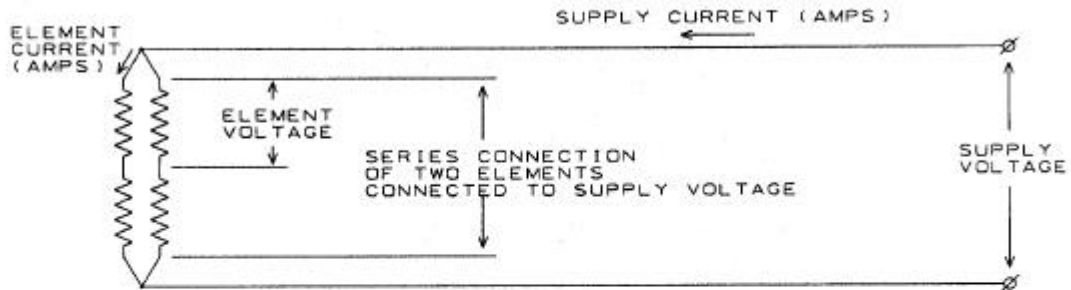


FIG. 1

THREE PHASE CIRCUIT EXAMPLE WYE CONFIGURATION

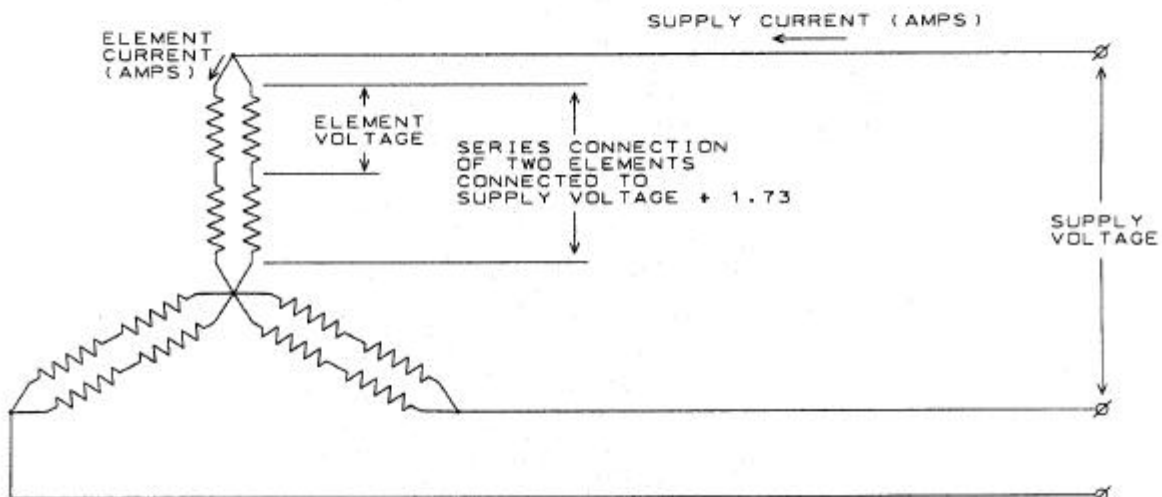


FIG. 2

THREE PHASE CIRCUIT EXAMPLE DELTA CONFIGURATION

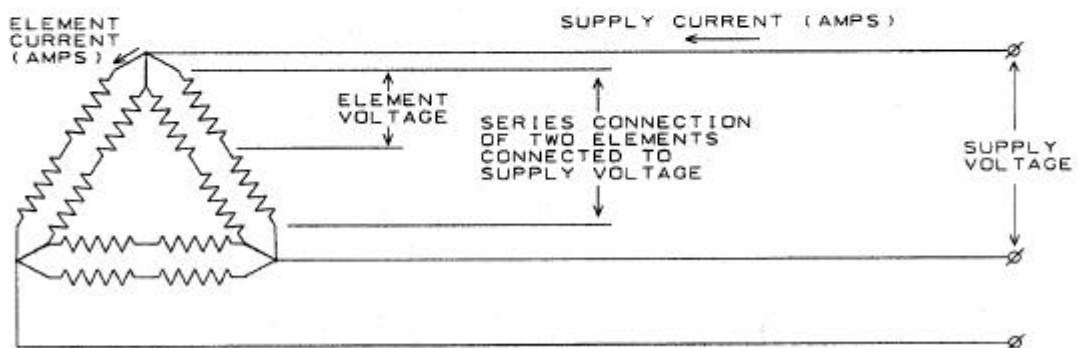


FIG. 3

STEP THREE – Ceramic Holder Data

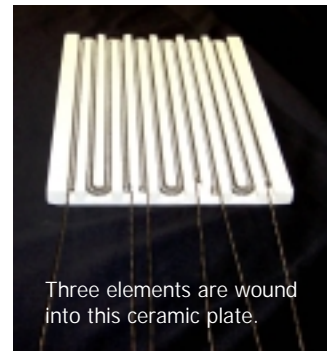
For Type “B” Ceramic Holders:

1. What is the overall tube length? _____
2. What is the tube outside diameter? _____
3. How many tubes do you need? _____
4. Do you need open groove tube supports? _____
5. How many tube supports do you need? _____



For Type “C” Ceramic Holders:

1. What is the ceramic plate width? _____
2. What is the ceramic plate length? _____
3. What is the ceramic plate thickness? _____
4. How many elements are in the ceramic plate? _____
5. How many ceramic plates do you need? _____



For Type “D” Ceramic Holders:

1. How many plates make a complete cylinder _____
2. What is the cylinder inside diameter? _____
3. What is the cylinder outside diameter? _____
4. How many elements are in each round plate? _____
5. How many round ceramic plates do you need? _____



One element is wound into this ½ round ceramic plate.

If you need any help answering these questions, contact a Keith specialist for immediate assistance.