Thermocouple Assemblies with Ceramic Protection Tubes

The straight noble- and base-metal thermocouple assemblies, with Series 16 mullite and Series 17 alumina protection tubes, illustrated on this catalog page are those most commonly used in high temperature process heating applications. These assemblies are available with a variety of process mounting fittings and assembly options as listed below. Special construction designs are also available.

### ORDER CODES

**Example Order Number:**

```
R24R - 17BH - 18 - 31, 8
```

1. **Thermocouple Type and Wire Gauge Size**
   - **CODE**
   - **TUBE MATERIAL AND SIZE**
     - **CODE**
     - **TUBE MATERIAL**
     - **TUBE O.D.** (inches)
     - **NPT SIZE** (inches)
     - **PROCESS MOUNTING FITTING**
   - **R24R**
     - **MULLITE** 1482 °C [2700 °F]
     - **ALUMINA** 1871 °C [3400 °F]
     - **16AH**
       - **17AH**
       - **16A(E)**
       - **16AF**
       - **16BH**
       - **16B(E)**
       - **16BF**
       - **16CH**
       - **16CE**
       - **16WH**
   - **K8R**
   - **N8R**
   - **K11C**
   - **N14C**
   - **[1] Use only with 16C or 16W series tubes**
   - **[2] Use only with 16B or 16C series tubes**

2. **Protection Tube**
   - **CODE**
   - **TUBE MATERIAL AND SIZE**
     - **CODE**
     - **TUBE MATERIAL**
     - **TUBE O.D.** (inches)
     - **NPT SIZE** (inches)
     - **PROCESS MOUNTING FITTING**
   - **B24R**
     - **K8R**
     - **N8R**
     - **K11C**
     - **N14C**

3. **Tube “X” Length**
   - **CODE**
   - **TUBE MATERIAL**
   - **LENGTH (inches)**
   - **DESCRIPTION**
   - **LENGTH (inches)**
   - **SPEC NO:**
   - **REV.:**
   - **DATE:**

4. **Head Terminations**
   - **CODE**
   - **DESCRIPTION**
   - **SPEC NO:**
   - **REV.:**
   - **DATE:**

5. **Assembly Options**
   - **CODE**
   - **DESCRIPTION**
   - **SPEC NO:**
   - **REV.:**
   - **DATE:**

For duplex T/C's, use element type twice. Example: RR24R

Special construction designs are also available.

All assemblies with a 3/8" O.D. tube should be ordered with an aluminum termination head.

8 ga. duplex elements only available in W series tubes.

For duplex T/C's, use element type twice. Example: RR24R

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