



## THERMOCOUPLE PROTECTION TUBES

Manufactured through a variety of molding and casting processes, Blasch Thermocouple Protection Tubes are designed as an immersion device or shield to protect a thermocouple while measuring the temperature of molten metals or gases. The tubes are available in a wide range of materials suitable for abrasive or corrosive environments as well as molten metal contact.

Available in non-wetting materials or with treatments suitable for aluminum applications as well as copper-based alloys. Compositions include alumina, silicon carbide, fused silica, alumina/silicon carbide composite, mullite and zirconia.

### Product Mounting Details

Thermocouple protection tubes are available as a closed-end tube with a reusable stainless-steel coupling device, with a cast thread (male and female), with a mounting flange, cross pin hole or O-Ring style groove for ease of installation.

### Benefits

Blasch's thermocouple protection tubes exhibit exceptional thermal shock resistance with benefits including:

- Longer life due to reduced dross buildup
- Repeatable and ease of installation
- Reliable protection of costly elements

### Features

- Excellent thermal conductivity
- Excellent thermal shock resistance
- Low wetting by nonferrous alloys
- Available in a wide variety of mounting configurations
- Various length, diameter, and wall thickness sizes available

