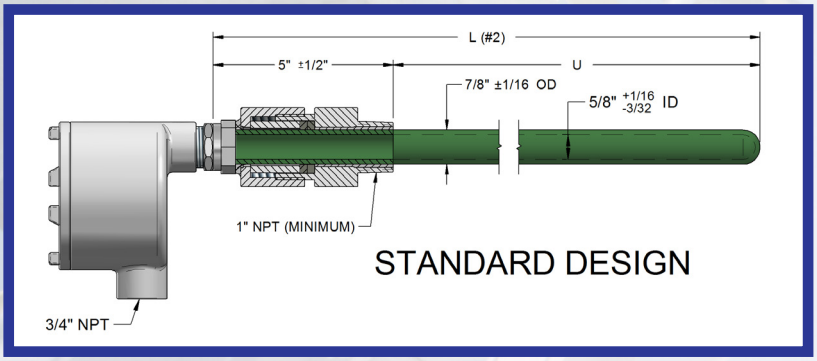
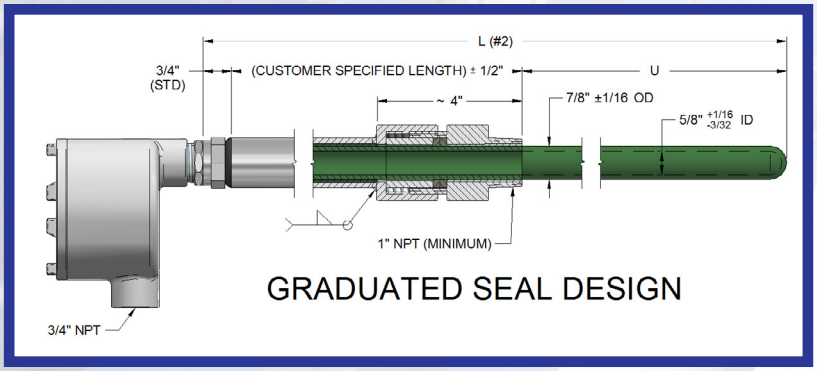
SULFUR PROTECTION TUBE

DESIGN ASPECTS





See page 5-8 (5G) for ordering.

- **Excellent corrosion resistance capable of resisting even the punishing temperatures and corrosion of a sulfur burner.**
- **Dual graduated seals allow the end user to access and monitor the sensor, while preventing leakage of sulfur burner contents.**
- **Maximized lifespan of wells and sensors.**
- **Tightly bonded layer of Chromium Oxide which, together with the naturally inert nature of Alumina, provides protection tubing with a remarkable resistance to oxidizing and corrosive atmospheres over 2200°F.**
- **High thermal conductivity and sensitivity to temperature changes makes it an excellent choice for thermocouples used to monitor or control high temperature environments.**
- **Great strength at temperatures where many high temperature metals melt. Above 2800°F it begins to soften and becomes plastic.**
- **Less porous than most compacts. No significant passage of gas through the body at high temperatures, except under high vacuum. Sufficiently impermeable for most industrial applications.**
- **Superior to "straight ceramics" in resisting thermal and mechanical shock.**
- **Sturdy UL, FM and CSA approved explosion proof head.**
- **Not recommended in boiling sulfuric acid -- 10%. For more information regarding its suitability to your application, Call JMS Today!!!**

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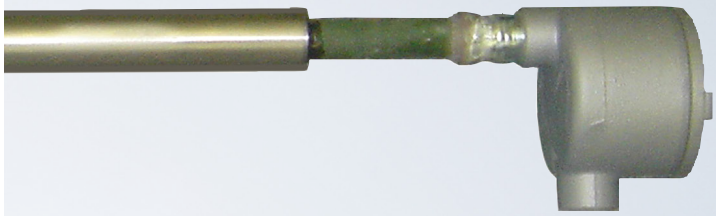

See page 5-8 (5G) series for ordering.

PROCESS BENEFITS

- **JMS provides experienced engineering capable of designing to suit your specification needs.**
- **Maximized lifespan of wells and sensors.**
- **Increases reliable temperature measurements in Sulfur burners and other sulfuric environment applications on an ongoing basis.**
- **Reduces risk of Sulfuric acid leaking into uncontained areas.**
- **Reduces shut downs due to sensor replacement.**
- **Avoids the high cost of repetitive replacements.**

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APPLICATIONS

Sulfuric acid plants

H_2SO_4

Corrosive SO_2 and SO_3 gas to 2500°F at tip

Corrosive SO_3 and HF gas to 2000°F

Boiling H_2SO_4 – 97%

Many additional applications.

Call JMS today for prompt and friendly assistance with your specification needs.