

High Pressure Thermocouple & RTD Sensor Assemblies Compression Seal Fittings for Wires & Probes

High Pressure Thermocouples and RTDs

Conax Technologies temperature sensor assemblies have proven their durability and reliability in a variety of high pressure and high temperature environments. Our extensive knowledge of the science of temperature measurement and the physical properties of materials, enables our engineers to recommend the most effective solutions for your application needs.

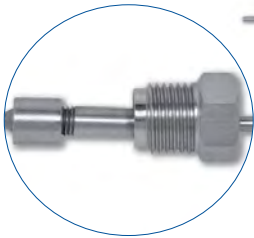
Conax Technologies has the in-house equipment to proof pressure test and certify units for these extreme applications.

High Pressure Special Limits of Error Type J Thermocouple:



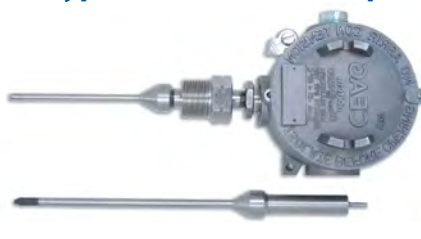
- 316SST Sheath and High Pressure Tube Connector Fitting
- Design conditions: 40,000 PSI @ 600° F
- Proof Pressure Tested to 60,000 PSI @ 68° F (20° C)

High Pressure Special Limits of Error Type J Thermocouple:



- Hastelloy C276 sheath and high pressure tube connector fitting
- Design conditions: 20,000 PSI @ 400° F
- Proof Pressure Tested to: 30,000 PSI @ 68° F (20° C)

High Pressure LDPE Reactor, Type J or K Thermocouple:



- For high pressure low-density polyethylene (LDPE) plants available with a carbide coated tip for additional wear resistance.
- Proof Pressure Tested to: 80,000 PSI @ 68° F (20° C)

High Pressure RTD, 3-wire 100 Ohm Platinum



- With integral high pressure welded threaded fitting
- Proof pressure tested to : 30,000 PSI @ 68° F (20° C)

See next page for High Pressure Compression Seal Fittings



High Pressure Compression Seal Fittings

Conax Technologies manufactures high pressure seals for electrodes, instrument signal wires and temperature sensor leads. High pressure seals are designed for installation onto the pressure vessel wall using threaded mounting configurations. A 1/2" NPT thread or 'B Cap' can be added to the HEGPK and HPPL assemblies to allow for mounting to a terminal box or other type of enclosure. These assemblies feature body and caps constructed from high strength 316SS.

These products are for high pressure applications; please contact Conax directly if you need to seal on other elements within different environments.

High Performance Electrode Gland (HEGPK)

- Single Piece PEEK™ Insulator/Sealant
- For high pressure/voltage applications
- Up to 7,700 PSI (531 Bar) @ 68°F (20°C)
- Voltage Rating: 8000 VDC
- Amperage to 200 Amps
- Available with or without conductor
- Available in .125", .187", .250", .375" & .500" diameter conductors



Bulletin 6068

High Pressure Sealing Electrode Gland (HPEG)

- Up to 20,000 PSI (2067 Bar) at 68°F (20°C)
- Conductor available in copper, stainless steel, or nickel
- Voltage Rating: 2000VDC
- Amperage Rating to 60 Amps



High Pressure Sealing Insulated Wire Gland (HPPL)

- Seals on Kapton® insulated wire
- Up to 30,000 PSI (2069 Bar) at 68°F (20°C)
- Available with 24 & 26 copper or 24 AWG Type K thermocouple wire



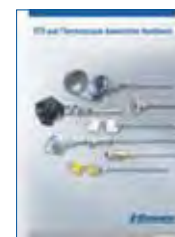
For more information, request
Catalog 5001C & 5005 from
www.conaxtechnologies.com



Compression Fittings
Catalog 5001C



www.conaxtechnologies.com



RTDs & Thermocouples
Catalog 5005



2300 Walden Avenue
Buffalo, New York 14225, USA
Fax: 716-684-7433 • Phone: 716-684-4500
Toll free in the USA at 1-800-223-2389
E-mail: highpressure@conaxtechnologies.com
Website: www.conaxtechnologies.com

