

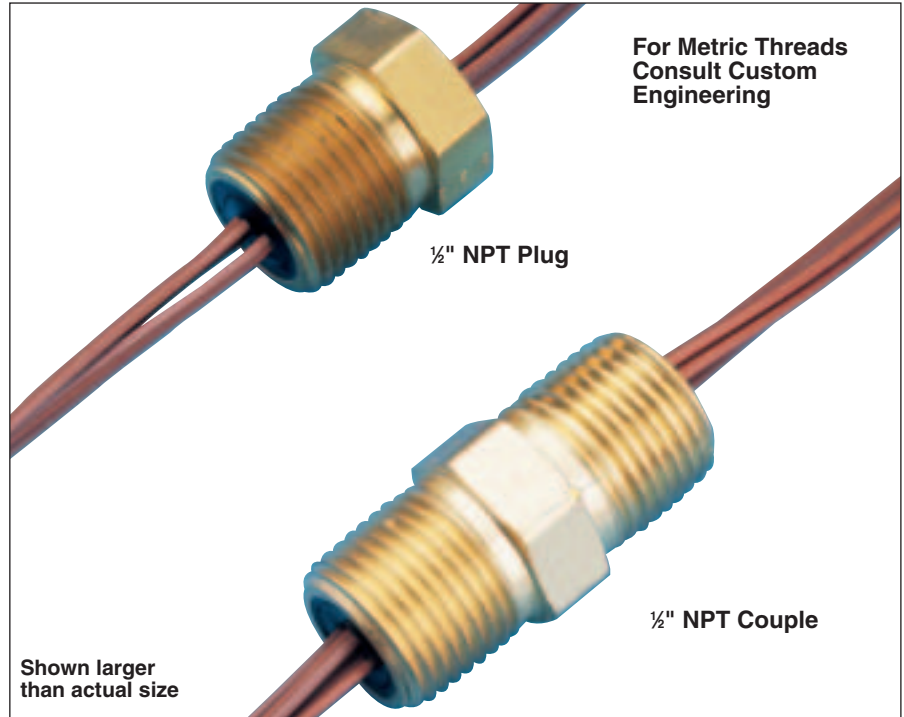
# Vacuum/Pressure Feedthroughs Hermetic Seal

- ✓ Copper and Thermocouple Wire
- ✓ 1, 2 and 4-Wire Pairs
- ✓ Teflon® Insulated Wire
- ✓ 10<sup>-8</sup> Torr/120 psi Rating
- ✓ Each Unit Tested for Reliability



½" NPT Plug  
From  
**\$60**

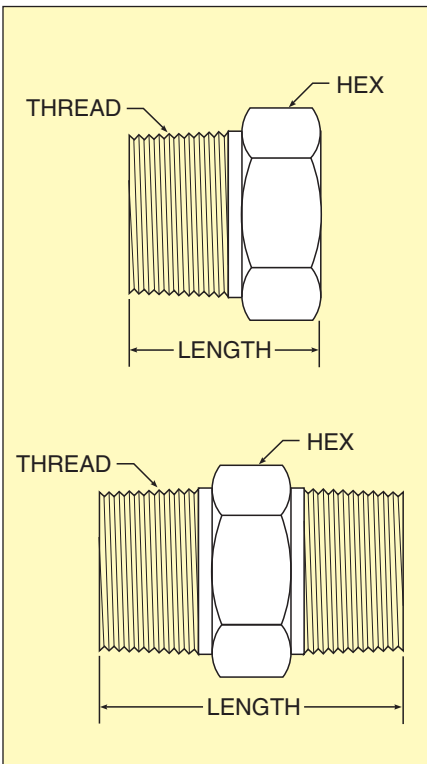
½" NPT Couple  
From  
**\$100**



### Chemical Exposure

**Compatible:** Oil, Solvents, Refrigerants, Water, Non-Corrosive Gases

**Avoid:** Strong acids and bases



### Specifications

**Material:** Brass

**Maximum Pressure:** 120 psi

**Leak Rates, Pressure:** 1 x 10<sup>-6</sup> cc air/s at 120 psi; 1 x 10<sup>-7</sup> cc air/s at 29" Hg vacuum

**Vacuum Limit:** 1 x 10<sup>-8</sup> Torr

**Leak Rates, Vacuum:** 1 x 10<sup>-8</sup> cc He/s at 15 psi; 1 x 10<sup>-8</sup> He/s at 10<sup>-8</sup> Torr

### Temperature Limits:

-40 to 120°C (-40 to 250°F)

**Out Gassing:** <0.003% VCM; <0.34% weight loss; sample at 125°C, cold surface at 25°C

**Wire:** 20 AWG solid with Teflon® insulation; 1.22 m (48" L) on each side of feedthrough, -200 to 200°C rating

### Dimensions mm (in)

Model Type	Area	Thread	Hex	Length
PFT2NPT	4.8 (0.189)	½" NPT	22.4 (0.88)	27.7 (1.09)
PFT2CPL	4.8 (0.189)	½" NPT	22.4 (0.88)	48.0 (1.89)

### ALL MODELS AVAILABLE FOR FAST DELIVERY!

### To Order (Specify Model Number)

Model No.	Price	Wire	No. of Pairs	Description
PFT2NPT-1CU	\$60	Cu	1	½" NPT Plug
PFT2NPT-2CU	80		2	
PFT2NPT-4CU	120		4	
PFT2NPT-1(*)	75	T/C	1	½" NPT Plug
PFT2NPT-2(*)	95		2	
PFT2NPT-4(*)	140		4	
PFT2CPL-2CU	100	Cu	2	½" NPT Couple
PFT2CPL-4CU	155		4	
PFT2CPL-2(*)	115	T/C	2	½" NPT Couple
PFT2CPL-4(*)	175		4	

\*Specify Thermocouple Type: J, K, T or E

**Ordering Example:** PFT2NPT-4K, Hermetic seal feedthrough, ½" NPT plug design, for 4 wire pairs for 4 Type K thermocouples, \$140.



#### UNITED STATES

[www.omega.com](http://www.omega.com)  
1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)  
Laval(Quebec)  
1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)  
Deckenpfronn, Germany  
0800-8266342

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)  
Manchester, England  
0800-488-488

#### FRANCE

[www.omega.fr](http://www.omega.fr)  
Guyancourt, France  
088-466-342

#### CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)  
Karviná, Czech Republic  
596-311-899

#### BENELUX

[www.omega.nl](http://www.omega.nl)  
Amstelveen, NL  
0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters