

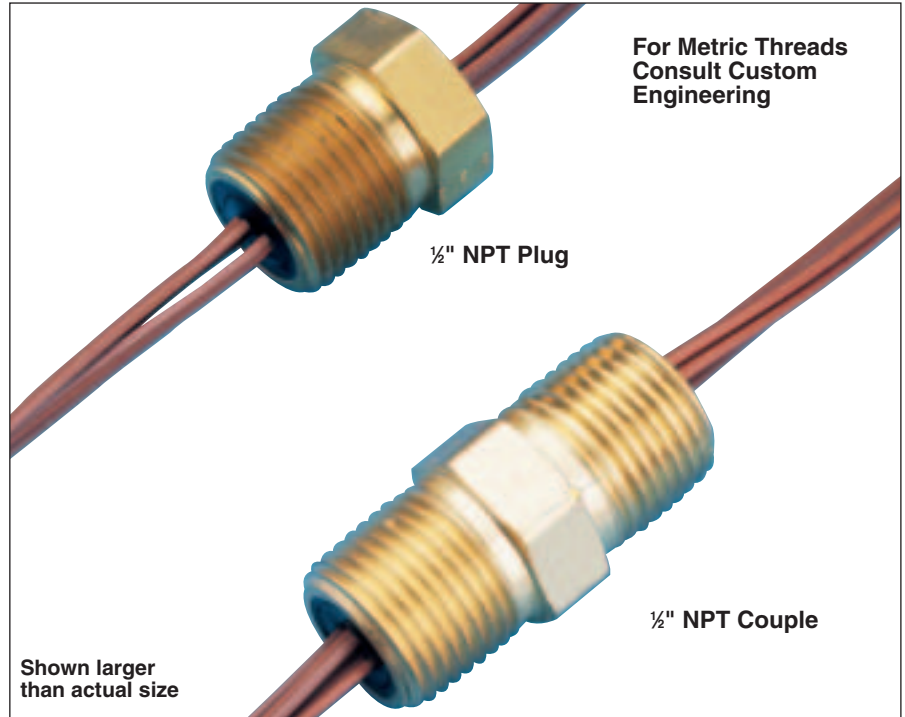
# Vacuum/Pressure Feedthroughs Hermetic Seal

- ✓ 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**



For Metric Threads  
Consult Custom  
Engineering

½" NPT Plug

½" NPT Couple

Shown larger  
than actual size

### 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)

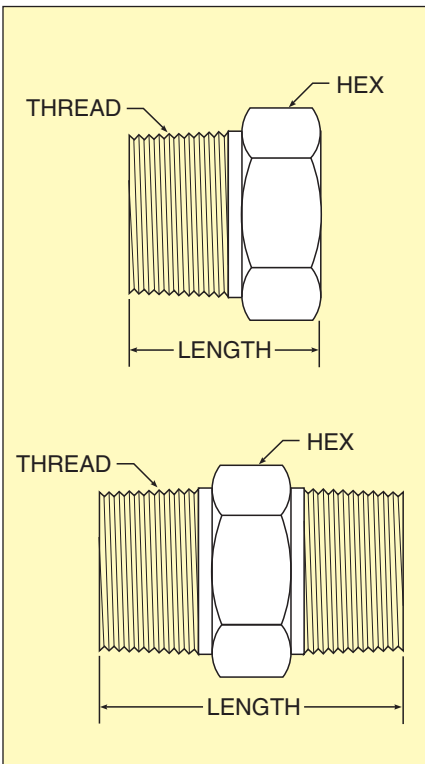
**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

### 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.





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