

VACUUM/PRESSURE FEEDTHROUGHS

NPT FITTINGS, PLUG OR COUPLE MODELS

½ NPT Plug
½ NPT Couple

PFT2 Series

- ✓ Copper and Thermocouple Wire
- ✓ 1-, 2-, and 4-Wire Pairs
- ✓ PTFE Insulated Wire
- ✓ 10⁻⁸ torr/120 psi (8 bar) Rating
- ✓ Each Unit Tested for Reliability

SPECIFICATIONS

Material: Brass

Maximum Pressure: 120 psi (8 bar)

Leak Rates, Pressure: 1 x 10⁻⁶ cc air/s at 120 psi; 1 x 10⁻⁷ cc air/s at 29 inHg vacuum

Vacuum Limit: 1 x 10⁻⁸ torr

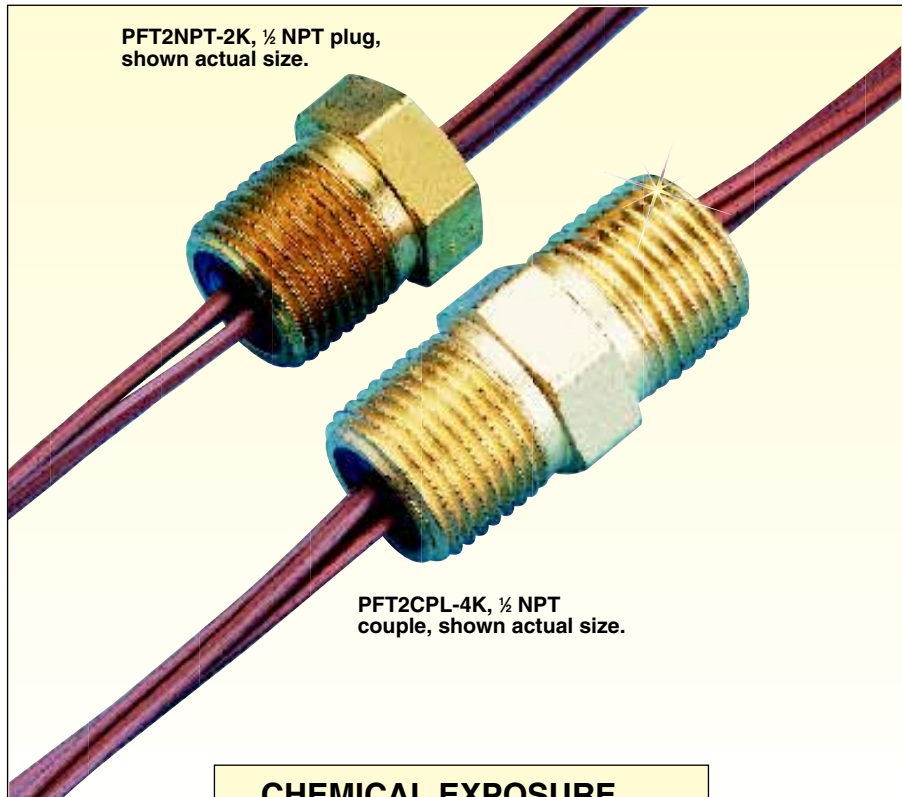
Leak Rates, Vacuum: 1 x 10⁻⁸ cc He/s at 15 psi; 1 x 10⁻¹¹ cc He/s at 10⁻⁸ torr

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

T/C Wire: 20 AWG solid with PTFE insulation; 48 inL, -200 to 200°C rating

Copper wire: 20 AWG stranded with PTFE insulation, 600V rating



PFT2NPT-2K, ½ NPT plug, shown actual size.

PFT2CPL-4K, ½ NPT couple, shown actual size.

CHEMICAL EXPOSURE

Compatible: Oils, solvents, refrigerants, water, non-corrosive gases

Avoid: Strong acids and bases

Dimensions: mm (inch)

MODEL NO.	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)

To Order

MODEL NO.	WIRE	NO. OF PAIRS	DESCRIPTION
PFT2NPT-1CU	Cu	1	½ NPT plug
PFT2NPT-2CU		2	
PFT2NPT-4CU		4	
PFT2NPT-1(*)	T/C	1	½ NPT plug
PFT2NPT-2(*)		2	
PFT2NPT-4(*)		4	
PFT2CPL-1CU	Cu	1	½ NPT couple
PFT2CPL-2CU		2	
PFT2CPL-4CU		4	
PFT2CPL-1(*)	T/C	1	½ NPT couple
PFT2CPL-2(*)		2	
PFT2CPL-4(*)		4	

* Specify thermocouple type: J, K, T, or E.

Ordering Example: PFT2CPL-4K, hermetic feedthrough, ½ NPT couple design, for 4 Type K thermocouple wire pairs.

