

MCPT - METAL CERAMIC PROTECTION TUBES

The MCPT consists of a hard abrasion-resistant Chromium and Aluminum Oxide material. It has good strength at temperatures where many high-temperature metals melt. This "hybrid" composition is slightly less resistant to thermal and mechanical shock than metal protection tubes, but much greater than that of ceramic protection tubes.

The MCPT exhibits good wear resistance and corrosion resistance. It has a hardness of Rockwell C37, which indicates the crushing strength of the material rather than the true hardness of the entire body. Great solution for sulfur burner and many other sulfuric environments.

JMS Southeast, Inc. offers the special optional fitting pictured below for mounting the metal ceramic protection tube in high temperature sealed environments. The minimum "U" length available is 2.35".

#1	DESCRIPTION		
5G	Metal Ceramic Protection Tube (MCPT) 5/8" ID x 7/8" OD, 3/4" NPT conduit connector	- Add a W here for a Brass cap and stainless steel chain attached to protection tube (Example: 5GW)	
	#2	FITTING SELECTION (See pages 5-9 through 5-10 for details)	
	Z	N/A -- 3/4" MNPT Instrument Connection only	
	J	Standard design	
	G	Graduated seal design (see p. 5-9 for detail)	
	X	Other, specify	
	#3	LENGTH (L)	
		Standard Design (U Length)	Graduated Seal (U Length)
	1	9"	4" N/A
	2	12"	7" N/A
	3	18" (Standard)	13" N/A
	4	30" (Standard)	25" 5-1/4"
	5	36"	31" 11-1/4"
	6	48" (Standard)	43" 23-1/4"
	L_ "	Other, Specify	

5G

J

3

See pages 5-9 and 5-10 for details!

Standard Design