



STANDARD THREADED THERMOWELLS FOR 1/4" DIAMETER ELEMENTS (BIMETAL THERMOMETERS)

TYPE:
B / BR / BN/ etc.

PRESSURE - TEMPERATURE RATING - PSI							
Material	Temperature - °F						
	70°	200°	400°	600°	800°	1000°	1200°
Brass	5000	4200	1000	-	-	-	-
Carbon Steel	5200	5000	4800	4600	3500	1500	-
304SS	7000	6200	5600	5400	5200	4500	1650
316SS	7000	7000	6400	6200	6100	5100	2500
Monel	6500	6000	5400	5300	5200	1500	-

MAXIMUM FLUID VELOCITY - FEET PER SECOND									
Well Type	Material	Insertion Length - "U"							
		2-1/2	4-1/2	7-1/2	10-1/2	13-1/2	16-1/2	19-1/2	22-1/2
1/2"	Brass	207 (59.3)	75.5 (32.2)	27.3 (19.7)	13.9	8.4	5.6	4.1	3.0
	Carbon Steel	290 (106)	105 (59)	38.2 (36.3)	19.4	11.8	7.8	5.7	4.2
	304SS; 316SS	300 (148)	109 (82.2)	39.5	20.1	12.2	8.1	5.9	4.4
	Monel	261 (118)	95 (65.5)	34.4	17.5	10.5	7.1	5.2	3.8
3/4"	Brass	207 (59.3)	89.1 (39.8)	32.2 (23.9)	16.4	9.9	6.6	4.8	3.6
	Carbon Steel	290 (106)	123 (71.2)	44.9 (42.7)	22.8	13.8	9.3	6.7	4.9
	304SS; 316SS	300 (148)	128 (99.3)	46.4	23.6	14.3	9.6	6.9	5.1
	Monel	261 (118)	112 (79.8)	40.6	20.7	12.4	8.3	6.1	4.5
1"	Brass	207 (59.3)	102 (47.6)	37.0 (28)	18.8	11.4	7.6	5.5	4.1
	Carbon Steel	290 (106)	143 (84.3)	51.6 (50.6)	26.2	15.9	10.6	7.6	5.7
	304SS; 316SS	300 (148)	148 (117)	53.5	27.2	16.5	11.0	7.9	5.9
	Monel	261 (118)	128 (93.3)	46.7	23.7	14.4	9.5	6.9	5.1

Note: Values are for steam, air, gas and similar density.
Values shown in parenthesis are for water flow only.

NOTE: Data on thermowell performance is from common industry standards used by design engineers and other manufacturers. Weiss is not responsible for errors resulting from omission, transmission, transposition, printing or interpretation of such data.