



STANDARD THREADED THERMOWELLS FOR INDUSTRIAL GLASS THERMOMETERS

**TYPE:
E / ER/ EN
ETC.**

PRESSURE - TEMPERATURE RATING - PSI							
Well Type	Material	Temperature - °F					
		70°	200°	400°	600°	800°	1000°
3/4" (see note)	Brass	640	575	100	-	-	-
	Carbon Steel	720	690	660	630	480	210
	304SS	940	850	770	740	720	625
	316SS	940	940	875	850	840	700
1" (see note)	Monel	900	825	740	730	710	210
	Brass	1470	1320	230	-	-	-
	Carbon Steel	1650	1590	1520	1450	1100	480
	304SS	2150	1950	1770	1710	1670	1430
	316SS	2150	2150	2010	1960	1920	1610
	Monel	2070	1900	1700	1690	1640	480

Note: Thermowells with 2-9/16" insertion length have three times the pressure ratings shown.

MAXIMUM FLUID VELOCITY - FEET PER SECOND									
Well Type	Material	Insertion Length - "U"							
		2-9/16	5-1/16	8-1/16	11-1/16	14-1/16	17-1/16	20-1/16	23-1/16
3/4"	Brass	259 (52.3)	142 (26.4)	55.8 (16.6)	29.8 (12.1)	18.4 (9.5)	12.5 (7.8)	9.0 (6.7)	6.8
	Carbon Steel	352 (94.6)	198 (48.0)	77.5 (30.1)	41.4 (22.0)	27.8 (17.3)	17.3 (14.2)	12.5 (12.1)	9.5
	304SS, 316SS	382 (131)	206 (66.3)	80.9 (41.7)	43.2 (30.2)	26.6 (24.0)	18.1	13.1	9.9
	Monel	277 (105)	179 (53.1)	70.3 (33.4)	37.5 (24.3)	23.2 (19.1)	15.7	11.3	8.5
1"	Brass	259 (76)	156 (38.5)	61.4 (24.2)	32.8 (17.7)	20.2 (13.9)	13.7 (11.4)	9.9	7.5
	Carbon Steel	352 (137)	215 (69.4)	34.2 (43.6)	45.0 (31.9)	27.7 (25)	18.9	13.6	10.3
	304SS, 316SS	382 (190)	224 (96.1)	87.8 (60.4)	46.9 (44.1)	28.9	19.7	14.2	10.8
	Monel	277 (152)	196 (77.1)	77.2 (48.5)	41.4 (35.4)	25.4	17.2	12.4	9.4

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.