

Series 445S Standard Threaded Well for Industrial Glass Thermometers *



Application:

Fits liquid-in-glass thermometers made to S.A.M.A. standards. Tapered bore is made 0.008" oversize to eliminate possibility of thermometer bulb expanding into the well, thus preventing removal.

Connection Size:

3/4 and 1 NPT are standard. Other thread sizes are available upon request.

Protective Coatings for Thermowells:

- Resist Corrosion
- For Chemical Baths
- Color-Coded Sensors for Process Control

* See Vapor Actuated Assembly on page E-17 for Additional Wells in the 445 Series

- Available in PFA, Epoxy and other materials. Consult Sales Department for complete information.

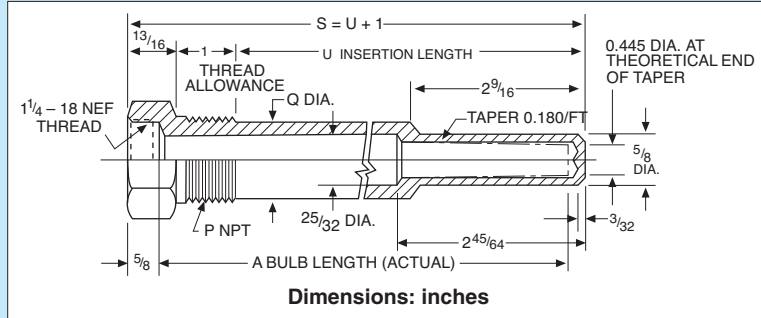
Materials:

Carbon Steel (C-1018), Brass (ASTM B-16), A.I.S.I. 304, A.I.S.I. 316, Monel®. Many other materials available upon request.

Additional Designs:

Other designs of wells to fit this class of thermometer are available. These include socket weld, heavy duty and flanged types.

Series 445S—General Use



Metric Models Available!
See Pages B-37 and B-38

Shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Ext Thread P	Model Number	Materials and Prices				Nominal Bulb Lgth	Bulb Lgth A	Insert Lgth U	Shank Dia. Q
		Stainless Steel 304	Stainless Steel 316	Carbon Steel	Brass				
3/4 NPT	3/4-445S-S31/2-(*)	\$85	\$95	\$75	\$75	3 1/2	3 5/8	2 9/16	—
	3/4-445S-S6-(*)	125	135	115	115	6	6 1/8	5 1/16	7/8
	3/4-445S-S9-(*)	175	190	115	115	9	9 1/8	8 1/16	7/8
	3/4-445S-S12-(*)	230	245	220	220	12	12 1/8	11 1/16	7/8
	3/4-445S-S18-(*)	290	310	275	275	18	18 1/8	17 1/16	7/8
	3/4-445S-S24-(*)	360	380	340	340	24	24 1/8	23 1/16	7/8
1 NPT	1-445S-S31/2-(*)	\$85	\$95	\$75	\$75	3 1/2	3 5/8	2 9/16	—
	1-445S-S6-(*)	125	135	115	115	6	6 1/8	5 1/16	1
	1-445S-S9-(*)	175	190	115	115	9	9 1/8	8 1/16	1
	1-445S-S12-(*)	230	245	220	220	12	12 1/8	11 1/16	1
	1-445S-S18-(*)	290	310	275	275	18	18 1/8	17 1/16	1
	1-445S-S24-(*)	360	380	340	340	24	24 1/8	23 1/16	1

* Specify material type "304SS" for 304 Stainless Steel, "316SS" for 316 Stainless Steel, "CS" for Carbon Steel or "BRASS" for brass. PFA coating available, see page B-16.

Ordering Example: 3/4-445S-S6E-304SS, 304 stainless steel thermowell with 3/4 NPT external thread, 0.445" internal diameter for a glass thermometer, 5/16" insertion length and a 6" nominal bulb length, \$125.

For Assistance in Choosing Head and Well Assemblies, See guide on page B-5. These wells are compatible with OMEGA® NB1, NB2 (page B-8); PR-12, PR-14, and NPT-style probes (page C-93), as well as DialTemp™ Thermometers (page E-11).

Pressure-Temperature rating—lb per square inch

Well Type	Material	Temperature — °F					
		70°	200°	400°	600°	800°	1000°
3/4"-445S and 3/4"-445L (See Note)	Brass	640	575	100	—	—	—
	Carbon Steel	720	690	660	630	480	210
	A.I.S.I. 304	940	850	770	740	720	625
	A.I.S.I. 316	940	940	875	850	840	700
	Monel	900	825	740	730	710	210
1"-445S and 1"-445L (See Note)	Brass	1470	1320	230	—	—	—
	Carbon Steel	1650	1590	1520	1450	1100	480
	A.I.S.I.-304	2150	1950	1770	1710	1670	1430
	A.I.S.I.-316	2150	2150	2010	1960	1920	1610
	Monel	2070	1900	1700	1690	1640	480

Note: Wells with 2 9/16" insertion length have three times the pressure ratings shown. See Page B-31 for Maximum Fluid Velocity.

Increase Response Rate!
Use OT-201 Conductive Silicon Paste; see page B-40.

Discount Schedule	
1-10.....Net	25-100.....20%
11-24.....10%	101 and up....Consult Sales

Discounts apply to similar thermowells.





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