

Series 385HL Heavy-Duty Well for 3/8" Diameter Elements



Application:

Standard length, 3/8" stem, bimetal thermometers.
#14-gage thermocouple elements. Armored
liquid-in-glass test thermometers. Other temperature-
sensing elements having 0.377" maximum diameter.

Connection Size:

1 NPT is standard. Other thread sizes are available
upon request.

Materials:

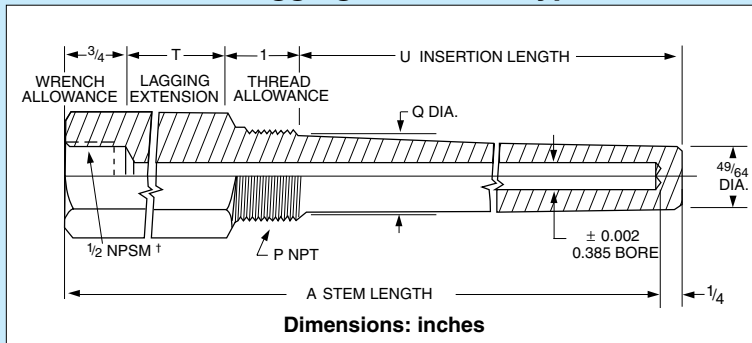
Brass (ASTM B-16), Carbon Steel (C-1018), Stainless
Steel A.I.S.I. 304 & A.I.S.I. 316, Monel®. Wells are also
available in special materials; prices on request.

Cap and Chain Options:

For Brass cap, add suffix **"-CC-Brass"** to the end of the
model number for an additional cost.

For 304SS cap, add suffix **"-CC"** to the end of the model
number for an additional cost.

Series 385HL—Lagging Extension Type External Thread "P"—1 NPT



† NPSM internal
pipe thread will accept
both NPT and
NPS male threads.

To Order Visit omega.com/series_385hl for Pricing and Details

External Thread P	Model Number	Lagging Extension T	Stem Length A	Insert Length U	Shank Diameter Q
1 NPT	1-385HL-U21/2-(*)	2	6	2 1/2	1 1/6
	1-385HL-U41/2-(*)	3	9	4 1/2	1 1/6
	1-385HL-U71/2-(*)	3	12	7 1/2	1 1/6
	1-385HL-U101/2-(*)	3	15	10 1/2	1 1/6
	1-385HL-U131/2-(*)	3	18	13 1/2	1 1/6
	1-385HL-U191/2-(*)	3	24	19 1/2	1 1/6

* 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 omega.com.

Ordering Example: 1-385HL-U71/2-304SS, 304 stainless steel thermowell with 1 NPT external thread, 0.385" internal diameter, 3" Lagging Extension, 7 1/2" insertion length, and a 12" stem length.

For Assistance in Choosing Head and Well Assemblies, See omega.com. These wells are compatible with OMEGA® NB1, NB2; PR-12, PR-14, and NPT-style probes, as well as DialTemp™ Thermometers.

See Introduction to Thermowells,
Maximum Fluid Velocity—feet per second Section on Velocity, see omega.com

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" - 385H and 1" - 385HL	Brass	321 (150)	129 (83.5)	46.8	23.6	14.5	9.6	6.9	5.1
	Carbon Steel	410 (270)	249 (150)	90.3	45.6	27.8	18.5	13.2	9.8
	A.I.S.I. 304 & 316	483 (350)	272 (208)	97.3	49.7	30.4	20.3	14.5	10.7
	Monel	396 (300)	214 (167)	77.5	39.2	23.8	16.0	10.3	7.7

Where single values appear in the velocity tables, these may be considered safe for water, steam, air or gas. In the shorter insertion lengths, consideration is given to the velocity pressure effect of water flowing at higher velocities. The values in parentheses, therefore, represent safe values for water flow, while the unbracketed values may be used for steam, air, gas and similar density fluids.

See omega.com for Pressure-Temperature Ratings.

Shown
smaller
than
actual
size.