

Series 385W

Socket-Weld Design Thermowells for 3/8" Diameter Elements



Application:

260W series fits standard length 1/4" diameter elements.
385W series fits standard length 3/8" diameter elements.

Connection:

3/4 or 1" nominal pipe size welding shoulder fits ASA welding fittings, flanges, etc. Wells for larger pipe size fittings are available upon request.

Materials:

Carbon Steel (C-1018); A.I.S.I. 304 & A.I.S.I. 316 are standard. Other materials are available upon request.

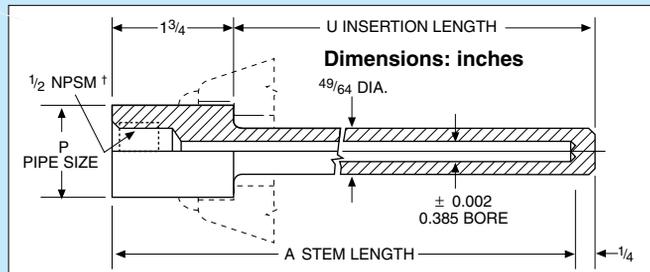
Lagging Extension:

When specifying lagging extension, choose a length which will permit the use of a standard element length. (See 260L and 385L lengths.)

Cap and Chain Options:

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

Series 385W



Metric Models Available! See omega.com

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

To Order Visit omega.com/series_385w for Pricing and Details

Pipe Size P	Model Number	P	Stem Length A	Insert Length U
3/4" Nominal (1.050" Diameter)	3/4-385W-U21/2-(*)	1.050	4	2 1/2
	3/4-385W-U41/2-(*)	1.050	6	4 1/2
	3/4-385W-U71/2-(*)	1.050	9	7 1/2
	3/4-385W-U101/2-(*)	1.050	12	10 1/2
	3/4-385W-U131/2-(*)	1.050	15	13 1/2
	3/4-385W-U161/2-(*)	1.050	18	16 1/2
	3/4-385W-U221/2-(*)	1.050	24	22 1/2
1" Nominal (1.315" Diameter)	1-385W-U21/2-(*)	1.315	4	2 1/2
	1-385W-U41/2-(*)	1.315	6	4 1/2
	1-385W-U71/2-(*)	1.315	9	7 1/2
	1-385W-U101/2-(*)	1.315	12	10 1/2
	1-385W-U131/2-(*)	1.315	15	13 1/2
	1-385W-U161/2-(*)	1.315	18	16 1/2
	1-385W-U221/2-(*)	1.315	24	22 1/2

* 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: 3/4-385W-U71/2-304SS, 304 stainless steel thermowell with 3/4" pipe outside diameter, 0.385" internal diameter, 7 1/2" insertion length and a 9" stem length.

For Assistance in Choosing Head and Well Assemblies, See guide on 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, Section on Velocity, see omega.com

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	22 1/2
3/4" - 260W	Carbon Steel	290 (106)	123 (71.2)	44.9 (42.7)	22.8	13.8	9.3	4.9
	A.I.S.I. 304 & 316	300 (148)	128 (99.3)	46.4	23.6	14.3	9.6	5.1
1" - 260W	Carbon Steel	290 (106)	143 (84.3)	51.6 (50.6)	26.2	15.9	10.6	5.7
	A.I.S.I. 304 & 316	300 (148)	148 (117)	53.5	27.2	16.5	11.0	5.9
3/4" - 385W and 1" - 385W	Carbon Steel	426 (260)	192 (144)	69.5	35.4	20.5	14.3	7.7
	A.I.S.I. 304 & 316	449 (360)	199	71.9	36.6	21.2	14.8	8.0

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.



Shown smaller than actual size.

See omega.com for Pressure-Temperature Ratings.