

# 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.)

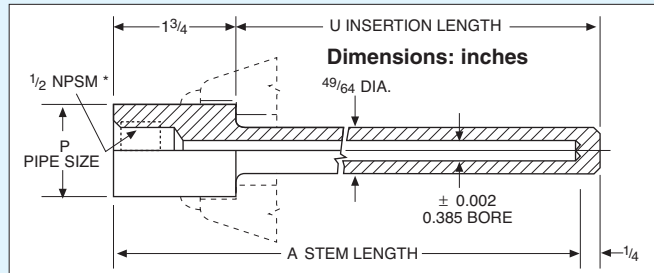


## Cap and Chain Options:

For Brass cap, add \$4 to price and add suffix "-CC (Brass)" to the end of the model number in your order.

For 304SS cap, add \$7 to price and add suffix "-CC (304SS)" to the end of the model number.

## Series 385W



**Metric Models Available!**  
See Pages B-33 and B-34

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

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

Pipe Size P	Model Number	Materials and Prices				P	Stem Lgth A	Insert Lgth U
		Stainless Steel 304	Stainless Steel 316	Carbon Steel	Brass			
3/4" Nominal (1.050" Dia.)	3/4-385W-U21/2-(* )	\$29.00	\$39.00	\$23.50	\$23.50	1.050	4	2 1/2
	3/4-385W-U41/2-(* )	34.50	47.00	28.00	28.00	1.050	6	4 1/2
	3/4-385W-U71/2-(* )	51.50	69.00	44.50	44.50	1.050	9	7 1/2
	3/4-385W-U101/2-(* )	62.50	84.50	57.50	57.50	1.050	12	10 1/2
	3/4-385W-U131/2-(* )	90.00	121.00	74.50	74.50	1.050	15	13 1/2
	3/4-385W-U161/2-(* )	107.50	144.50	89.00	89.00	1.050	18	16 1/2
1" Nominal (1.315" Dia.)	1-385W-U21/2-(* )	\$38.00	\$46.50	\$31.00	\$31.00	1.315	4	2 1/2
	1-385W-U41/2-(* )	47.50	64.00	37.50	37.50	1.315	6	4 1/2
	1-385W-U71/2-(* )	62.50	84.50	48.50	48.50	1.315	9	7 1/2
	1-385W-U101/2-(* )	78.00	104.00	64.50	64.50	1.315	12	10 1/2
	1-385W-U131/2-(* )	108.00	145.00	85.50	85.50	1.315	15	13 1/2
	1-385W-U161/2-(* )	126.50	170.00	100.50	100.50	1.315	18	16 1/2
	1-385W-U221/2-(* )	185.50	230.00	124.50	124.50	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 page B-14.

**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, \$51.50.

For Assistance in Choosing Head and Well Assemblies, See guide on page B-5. These wells are compatible with OMEGA® NB1, NB2 (page B-7); PR-12, PR-14, and NPT-style probes (page C-65), as well as DialTemp™ Thermometers (page E-14).

See Introduction to Thermowells, Section on Velocity, page B-3

## 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 Page B-24 for Pressure-Temperature Ratings.



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