

Sanitary Thermowells



A thermowell provides invaluable triple duty service, by protecting your delicate temperature sensing instrumentation.

- Protects your instrument against corrosive effects and resulting physical damage caused by media flow.
 - Permits instrument interchange or calibration check without disturbing or closing down the process.
 - Helps to contain dangerous or costly process fluids, when properly installed as an integral part of the vessel or piping.
- Basic thermowell types are threaded, flanged, socket weld, weld-in, sanitary and van stone.

Shank configurations are available in straight, stepped or tapered styles. Extensive selection of materials are available to meet the demanding applications. Ashcroft's wide variety of thermowells are available for light duty, high pressures, high temperatures, or high velocity applications as well as meeting many general service industry needs.

- *One piece bar stock construction*
- *Large selection of mill traceable materials*
- *Stamped with material, heat number and date code*
- *Full penetration welds on flanged wells*
- *Various test reports and certifications*
- *Wake Frequency Calculations per ASME PTC 19.3 -2010*

PRODUCT SPECIFICATIONS

Type:	Sanitary
Shank Style:	Straight, Tapered, Stepped
Bore Size:	.260, .385
Process	
Connection:	1", 1½", 2" Tri-Clamp connections
Materials:	304 SS, 316 SS
Instrument	
Connection:	1/2 NPSM standard, NPT or others optional
Ra Finish:	8-12-Ra standard

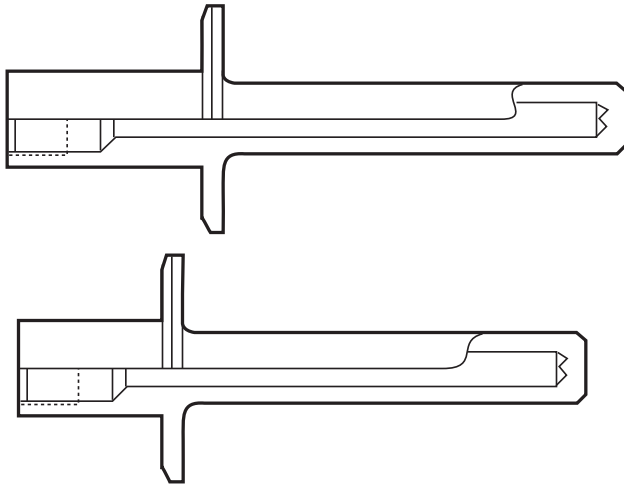
PRODUCT OPTIONS

- SS tag
- 4-12-Ra finish

TYPICAL CODE

15 SIZE		W U-DIMENSION	0750	THREAD	LAGGING	H SHANK	C TYPE	260 BORE	C MATERIAL	CAP & CHAIN	VARIATION	SPECIAL LAGGING LENGTH
CODE	INCHES	CODE	INCHES	CODE	LAGGING	CODE	TYPE	CODE	TYPE	CODE	TYPE	
10	1	0250	2½	-	Without	C	Sanitary	C	304			
15	1½	0450	4½	L	With			S	316			
20	2	0750	7½									
		1050	10½									
		1350	13½									
		1650	16½									
		1950	19½									
		2250	22½									
CODE	INTERNAL THD.	CODE	SHANK	CODE	DIAMETER	CODE	MATERIAL					
-	½ NPSM	H	Tapered	260	.260	1	Brass					
2	½ NPT	S	Straight	385	.385	2	SS					
		R	Stepped									

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Typical "S" dimensions for threaded wells

"U"	WITHOUT LAG	STANDARD LAG	
	"S"	"T"	"S"
2½	4	2	6
4½	6	3	9
7½	9	3	12
10½	12	3	15
13½	15	3	18
16½	18	—	—
19½	—	3	24
22½	24	—	—
SPECIAL LAG EXAMPLES:			
2½	4	5	9
4½	6	9	15

TYPICAL CODE – 75W0750HT260C

75 SIZE		W U-DIMENSION		0750 U-DIMENSION	THREAD	LAGGING	H SHANK	T TYPE	260 BORE	C MATERIAL	CAP & CHAIN	VARIATION	FACING	RATING	SPECIAL LAGGING LENGTH
CODE	INCHES	CODE	INCHES	CODE	INCHES	CODE	LAGGING	CODE	TYPE	CODE	TYPE	SEE NOTES 3 & 4	CODE	RATING #	SEE NOTE 2
50	½	0162	1 ⁵ / ₈	—	Without	T	NPT Thd.	AA	Brass				150	150	
75	¾	0250	2½	L	With	W	Weld-In.	B	Carbon Steel				300	300	
10	1	0450	4½			F	Flanged	C	304				600	600	
12	1¼	0750	7½			V	Van Stone	S	316				1500	1500	
15	1½	1050	10½			S	Socket-Weld						2500	2500	
20	2	1350	13½			M	Limited Space Threaded								
30	3	1650	16½			G	Ground Joint								
40	4	1950	19½			C	Sanitary								
		2250	22½												
				CODE	INTERNAL THD.			CODE	SHANK	CODE	DIAMETER	CODE	MATERIAL	CODE	FACING
				—	½ NPSM	H	Tapered	260	.260	1	Brass	F	Flat		
				2	½ NPT	S	Straight	385	.385	2	SS	R	Raised		
						R	Stepped					J	Ring-Joint		
						B	Built-up					L	Lap-Joint		