Sanitary Thermowells



FEATURES

- One piece bar stock construction
- Stamped with mill traceable material and heat number
- Testing and certifications including Wake Frequency Calculations ASME PTC 19.3 TW-2016
- Standard or customized dimensions

TYPICAL USES

- Pharmaceutical / Biotech
- Food and beverages

SPECIFICATIONS

Shank Style:	Straight, Tapered or Stepped
Process Connection:	1", $1\frac{1}{2}$ " or 2" Tri-Clamp [®]
Instrument Connection:	1/2 NPSM or 1/2 NPT Female
Bore Size:	0.260" or 0.385"
Surface Finish:	8-12 Ra or 4-12 Ra
Lagging:	2": if U-dimension is <3 " 3": if U-dimension is >3 "
Cap and Chain:	Brass or stainless steel

TABLE 1				
OPTIONS	CODE			
Stamp tag number on thermowell	NF			
Stainless steel tag wired to thermowell	NH			
Hydrostatic test-internal	W9			
Clean for oxygen service	6B			
Wake frequency calculation	W5			
4-12 Ra finish	PT			
Material origin restriction	UM			
Certificates				
Certificate of Conformance (per order)	CD-1A			
Physical and Chemical Material Test Report (MTR's)	W6			
Positive Material Identification (PMI)	MQ			
NACE Certificate of Compliance	CD-5			



ASHCRO

Trust the shield.

KEY BENEFITS

- Protects instrument against corrosive effects and physical damage caused by media flow
- Permits instrument interchange or calibration check without disturbing/closing down the process
- Traceability of material origin for quality assurance and control

TABLE 2			
MATERIALS	CODE		
304 Stainless steel	С		
316 Stainless steel	S		
Hastelloy® B/C	G/H		
Carpenter [®] 20	D		
Duplex 2205 Stainless steel	J		
Super Duplex S32750	SD		
Iconel® 600	W		
Titanium	TI		

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Data Sheet



Sanitary Thermowells

ORDERING CODE Example:	15	w	0250			н	С	260	S	2	X6B	ι
P-Process Connection Size												
10 - 1" Tri-Clamp®												
15 - 1½ Tri-Clamp®	15											
20 - 2" Tri-Clamp®												
Thermowell												
W - Thermowell		W										
U-Process Insertion Length			_									
0250 - 2 ¹ / ₂ "			0250									
0450 - 4½"												
0750 - 7½″												
1050 - 10½″												
1350 - 13½″												
1650 - 16½″												
2250 - 22½″												
I-Instrument Connection												
Blank - ½ NPSM												
2 - ½ NPT Female												
T-Lagging												
Blank - No lagging												
L - Lagging (for special lag length, see below)												
Shank Type												
H - Tapered						н						
S - Straight												
R - Stepped												
Process Connection												
C - Sanitary							С					
Bore Diameter												
260 - 0.260″								260				
385 - 0.385″												
Material (Refer to Table 2)												
C - 304 Stainless steel												
S - 316 Stainless steel									S			
Cap and Chain												
Blank - No cap and chain												
1 - Brass												
2 - Stainless steel										2		
Options - (see Table 1 on page 1 for additio	nal options	s (lf ch	oosing an	option(s)	must inc	clude a	n "X")				X	
6B - Clean for oxygen service											6B	
Special Lagging Length												

2 of 3

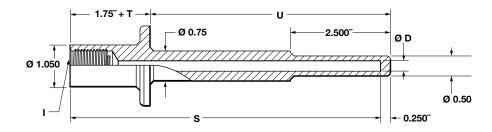
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Sanitary Thermowells

DIMENSIONS

For reference only, consult Ashcroft for specific dimensional drawings

Sanitary Stepped Thermowell



Thermowell Legend

I - Instrument connection (1/2" NPSM is STD.)

E - Tip O.D.

D - Bore diameter

- U Insertion depth
- S Instrument stem length or bore depth
- B Root OD

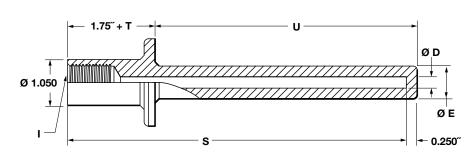
ØD

ØΕ

0.250"

T - Lag dimension when required

Sanitary Straight Thermowell



Sanitary Straight		
E 0.260 ^{″′} Bore	E 0.385″ Bore	
0.5″	0.766″	

anitary Tapered Thermowell	
	_
	7
в	

Sanitary Tapered					
В	E 0.260 [~] Bore	E 0.385″ Bore			
0.875″	0.625″	0.768″			

