Data Sheet

ASHCROFT® Trust the shield.®

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", 1½" or 2" Tri-Clamp®
Instrument Connection:	½ NPSM or ½ 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				



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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Sanitary Thermowells

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 - 21/2"			0250								
0450 - 41/2"											
0750 - 7½"											
1050 - 101/2"											
1350 - 13½"											
1650 - 161/2"											
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 additi	onal optior	ns (If ch	oosing an o	ption(s) must	include a	n "X")				X	
6B - Clean for oxygen service										6B	
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Data Sheet

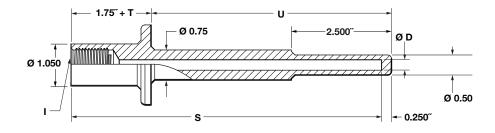
ASHCROFT® Trust the shield.®

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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

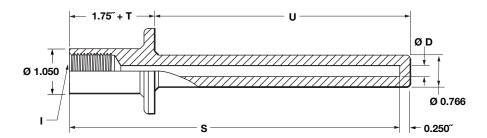
U - Insertion depth

S - Instrument stem length or bore depth

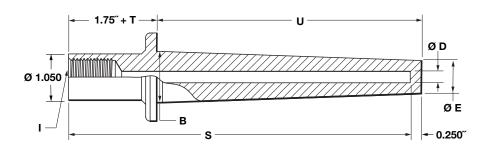
B - Root OD

T - Lag dimension when required

Sanitary Straight Thermowell



Sanitary Tapered Thermowell



Sanitary Tapered						
В	E 0.260 Bore	E 0.385 Bore				
0.875"	0.625"	0.768"				