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Van Stone Thermowells

FEATURES

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

TYPICAL USES

- Chemical and petrochemical plants
- Water and wastewater temperature control

Van Stone Thermowells
1″, 1½″ Van Stone sizes

SPECIFICATIONS	
Shank Style:	Tapered
Process Connection:	1″, 1½″
Instrument Connection:	½ NPSM, ½ NPT Female
Bore Size:	0.260″, 0.385″
Flange Rating:	Lap Joint Backing
Rating/Class:	150, 300, 600
Surface Finish:	16-32 RA
Lagging:	2″: if U-dimension is <3″ 3″: if U-dimension is >3″
Cap and Chain:	Brass, SS

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**
- **Tracing of material origin for quality assurance and control**

TABLE 1

OPTIONS	CODE
Stamp tag number on thermowell	NF
SS tag wired to thermowell	NH
Hydrostatic test-internal	W9
Clean for oxygen service	6B
Wake frequency calculation	W5
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) N/A Carbon Steel	MQ
NACE Certificate of Compliance	CD-5

TABLE 2

MATERIALS	CODE
304 SS	C
316 SS	S
Monel®	M
Hastelloy B/C	G/H
Carpenter 20	D
Chrome Moly F11/F22	FA/FB
Duplex 2205 S/S	J
Super Duplex S32750	SD
Iconel 600	W
Titanium	TI
Carbon Steel	B

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ORDERING CODE Example:	10	W	0400	L	H	V	260	S	2	XNF	L	150	L0350
Process Connection Size													
10 - 1″	10												
15 - 1½″													
Thermowell													
W - Thermowell		W											
U-Process Insertion Length													
0400 - 4″			0400										
0700 - 7″													
1000 - 10″													
1300 - 13″													
1600 - 16″													
2200 - 22″													
Instrument Connection													
Blank - ½NPSM													
2 - ½NPT Female													
Lagging													
Blank - No lagging													
L - Lagging (For special lag length, see below)				L									
Shank													
H - Tapered					H								
Process Connection													
V - Van Stone						V							
D-Bore Diameter													
260 - 0.260″							260						
385 - 0.385″													
Material (Refer to Table 2)													
C - 304 SS													
S - 316 SS								S					
Cap and Chain													
Blank - No cap and chain													
1 - Brass													
2 - SS									2				
Options - (see Table 1 on page 1 for additional options (If choosing an option(s) must include an “X”)										X__			
NF - Stamp tag number on thermowell										NF			
Flange Facing													
L - Lap joint											L		
Flange Rating													
150 - 150												150	
300 - 300													
600 - 600													
Special Lagging Length													
L - Lagging length × 100 (ex: 3.5″ × 100 =L0350)													L0350

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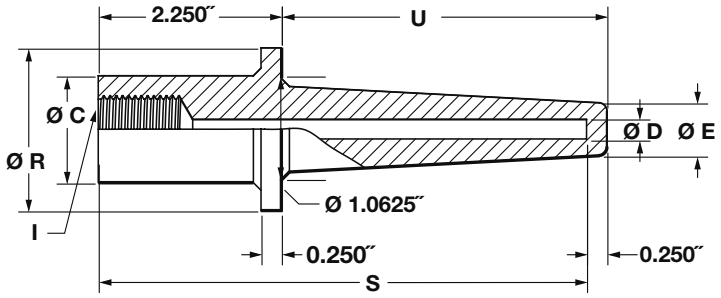
DIMENSIONS

For reference only, consult Ashcroft for specific dimensional drawings



DIMENSION (Inches)			PART NUMBER	
P	S	U	¼″ Bore	⅜″ Bore
1 1½	4	2	10W0200HV260 15W0200HV260	10W0200HV385 15W0200HV385
1 1½	6	4	10W0400HV260 15W0400HV260	10W0400HV385 15W0400HV385
1 1½	9	7	10W0700HV260 15W0700HV260	10W0700HV385 15W0700HV385
1 1½	12	10	10W1000HV260 15W1000HV260	10W1000HV385 15W1000HV385
1 1½	15	13	10W1300HV260 15W1300HV260	10W1300HV385 15W1300HV385
1 1½	18	16	10W1600HV260 15W1600HV260	10W1600HV385 15W1600HV385
1 1½	24	22	10W2200HV260 15W2200HV260	10W2200HV385 15W2200HV385

Van Stone Tapered - 0.260 & 0.385 Bore		
P	C	R
1″	1.315″	2.00″
1½″	1.90″	2.875″

Thermowell Legend
I - Instrument connection (½″ NPSM is STD.)
E - Tip O.D.
D - Bore diameter
U - Insertion depth
S - Instrument stem length or bore depth
C - Hub diameter
R - Raised face diameter

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