

Vortex Thermowells

FEATURES

- Helical strake design
- Stable pressure field
- One piece bar stock construction on shank
- No need for velocity collars
- CFD (Computational Fluid Dynamic) analysis provided for challenging applications

TYPICAL USES

- Chemical and petrochemical plants
- Water and wastewater pressure control
- Refineries



Vortex Thermowell

1½", 2" flange sizes

SPECIFICATIONS

Shank Style:	Straight
Pipe Size:	1½", 2"
Instrument Connection:	½ NPSM, ½ NPT Female
Bore Size:	0.260", 0.385"
Flange Facing:	Raised, Ring Joint
Rating/Class:	150, 300, 600, 900, 1500

OPTIONS - Table 1

- Hydrostatic test
- Liquid dye penetrant

CERTIFICATES

- Certificate of Conformance (per order)
- Physical and Chemical Material Test Report (MTR's)
- Positive Material Identification (PMI)

KEY BENEFITS

- For applications that Standard Thermowells are not to be used by ASME PTC 19.3 TW-2016
- No need to increase wall thickness

TABLE 2

MATERIALS	CODE
304 Stainless Steel	C
316L Stainless Steel	S
Monel [®]	M

Data Sheet

Vortex Thermowells

ORDERING CODE	EXAMPLE:	15	W	0700	2	L	S	X	2	S	1	XNF	R	300	L0350
Pipe Size															
15 - 1½"		15													
20 - 2"															
Thermowell															
W - Thermowell			W												
U - Process Insertion Length (custom lengths are available)															
0400 - 4"															
0700 - 7"				0700											
1000 - 10"															
1300 - 13"															
1600 - 16"															
2200 - 22"															
I - Instrument Connection															
Blank - ½" NPSM															
2 - ½ NPT Female					2										
Lagging															
Blank - No lagging															
L - Lagging (for special lag length, see below)						L									
Shank															
H - Tapered															
S - Straight							S								
Thermowell Type															
X - Vortex Thermowell								X							
Bore Diameter															
260 - 0.260"									2						
385 - 0.385"															
Material (refer to table 2) (additional material options are available)															
C - 304 Stainless steel															
S - 316 Stainless steel										S					
Cap and Chain															
Blank - No cap and chain															
1 - Brass											1				
2 - 304 Stainless steel															
Options - (see Table 1 on page 1 for additional options (If choosing an option(s) must include an "X")															
NF - Stamp tag number on thermowell												NF			
Flange Style															
R - Raised Face													R		
J - Ring Joint															
Flange Rating															
150 - 150															
300 - 300														300	
600 - 600															
900 - 900															
1500 - 1500															
Special Lagging Length															
L - Lagging Length X 100 (ex: 3.5" X 100 = L0350)															L0350

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DIMENSIONS - in mm

For reference only, consult Ashcroft for specific dimensional drawings

