

# Thermowells TW



- **Machined integral or welded**
- **Large choice of materials**
- **Mounting: Threaded fitting or to weld-on, or flange**
- **Options: Tests, control, certificates**

## APPLICATIONS

The thermowell is a tubular thermal conductor designed for the insertion of a temperature sensor or a thermometer in a pipe or in a tank. It is recommended for sensor protection against corrosive effects of fluids in process and mechanical effects.

It allows to replace an instrument for maintenance, calibration routines, without shutting down the process.

## DESCRIPTION

Thermowells TW are designed to withstand high temperatures and pressures with high speed flows.

According to operating conditions (pressure, temperature, flow, vibrations, corrosion risks) several models are available.

Each TW has a marking which indicates the material, the immersion length, the dimensions of fitting with PN. Option: The serial number may be added.

### Materials and coatings:

- Materials: AISI 316 / 304 / 321 / Monel / Titanium / Nickel / Hastelloy C276 / Hastelloy C4 / Inconel 600 / Incoloy 800 etc.
- Coating of wet parts: Tantalum / PTFE / Hastelloy C276 / Hastelloy C4 / Zirconium

### Documents:

- Drawing
- Welding procedure specification (W.P.S.)
- Casting reference stamped on the body and on the flange
- Qualification procedure registration (P.Q.R.)

### Tests and controls:

- Hydrostatic pressure test
- Penetrant testing
- Rupture test, impact test
- Test HUEY / ASTM A 262-C
- Performance test ASME PTC 19.3 - 1974

### Certificates:

- Directives EN10204 3.1.B., 3.1.C.
- Directive NACE MR.01.75
- Heat treatment certificate

### Options:

- Shutter and chain
- Polished stem
- Degreasing for use in oxygen
- Extensions

**EC Conformity: The instrument meets the legal requirements of the current European Directives.**

**BAMO** INTERNATIONAL

22, Rue de la Voie des Bans · Z.I. de la gare · 95100 ARGENTEUIL

Tel +33 (0)1 30 25 83 20 Web [www.bamo.eu](http://www.bamo.eu)

Fax +33 (0)1 34 10 16 05 E-mail [export@bamo.fr](mailto:export@bamo.fr)

Thermowells  
TW

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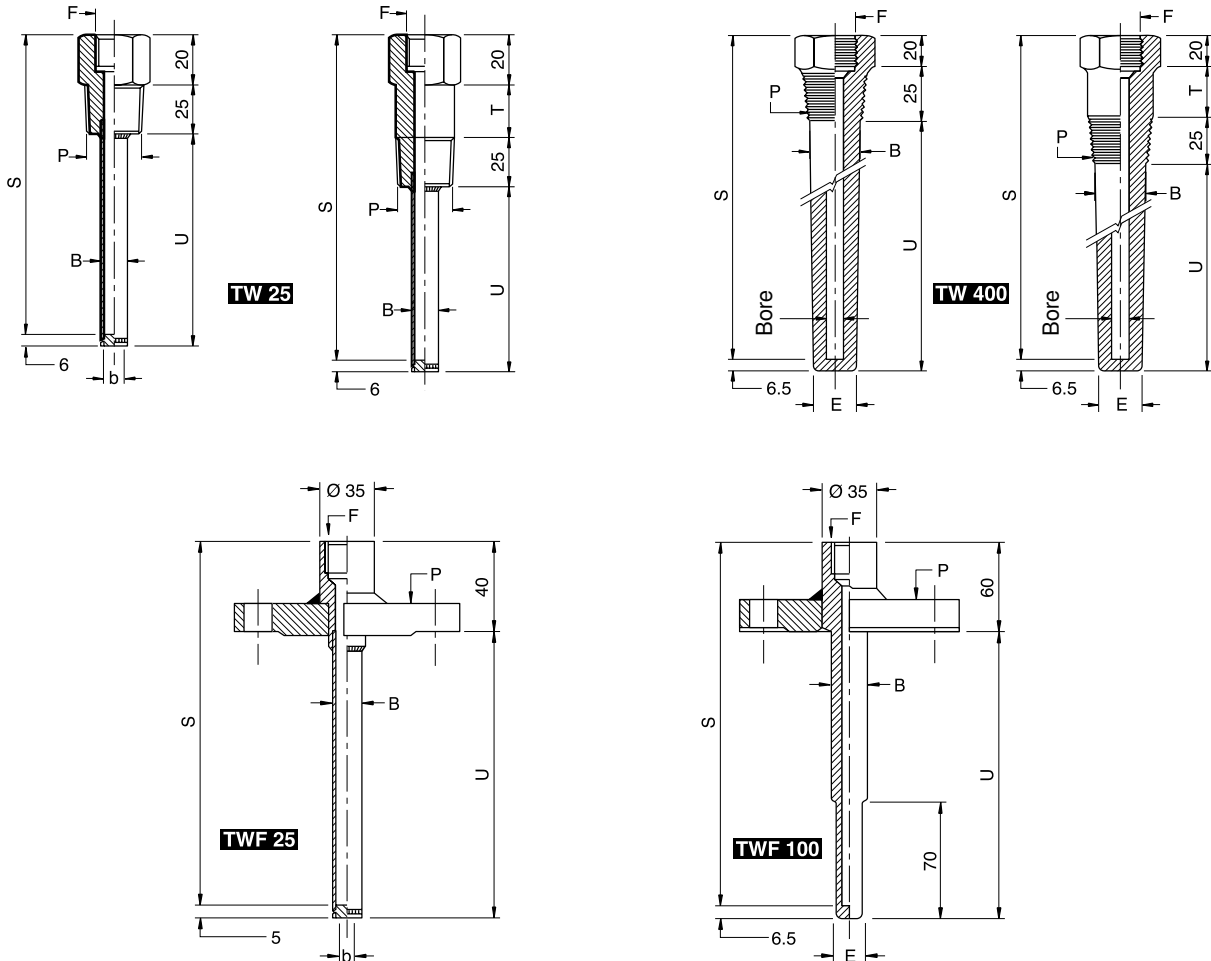
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### Operating conditions to be specified for a quote:

- Material
- Machined integral or welded, fitting type
- Bore diameter and O.D.
- Shape: tapered rod, straight, with elbow, etc.
- Thermal insulation on extension
- Depth length, total length
- Fittings: to process and for temperature sensor; Options.

### DIMENSIONS



TW 25		
Process P	Stem bxB	Wrench
1/2" NPT	7x12	27
	10x12	
3/4" NPT	7x12	36
	10x12	
1" NPT	7x12	36
	10x12	

TW 400				
Process P	Bore bxB	Ø B	Ø E	Wrench
3/4" NPT	6.35	22	16	27
	9.6		19	
1" NPT	6.35	27	16	36
	9.6		19	

TWF 25 - TWF 100	
Flange	PN
1"	150 to 900 Lbs
1 1/2"	
2"	

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