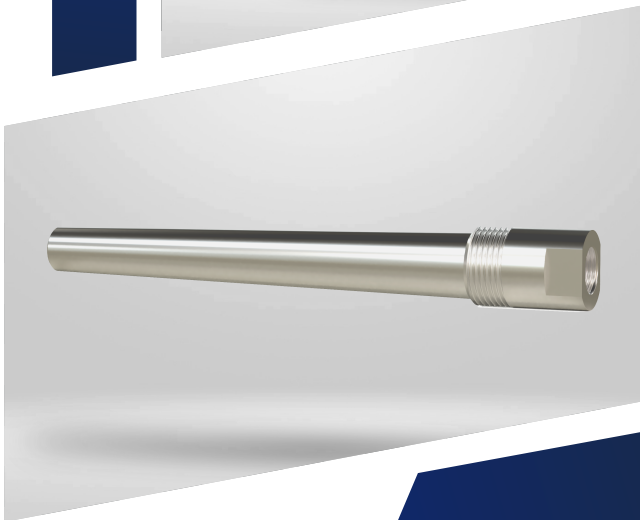


THERMOWELLS

Protection & safety for temperature sensors

Robust mechanical solutions for thermocouples & RTD probes



Standard & custom made • Wide choice of materials • Fast time limit

✉ Technique@loreme.fr / vente@loreme.fr

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🌐 www.loreme.fr

INTRODUCTION

LOREME thermowells protect temperature probes (thermocouples, RTD) & allow their replacement **without process interruption**.

They provide **reliable protection** against **pressure, corrosion, & usury**, & are available in **threaded, welded, flanged, or welded versions**.

With a wide selection of materials & connections, LOREME offers **standard or custom solutions**, certified to **ASME PTC 19.3 TW-2016**.

ESSENTIELS POINTS

Simple sensor replacement without process interruption or loss of sealing.

Several sheath geometries: **straight, tapered, or stepped**.

Available connections: **BSP/NPT threads, ANSI/DIN/JIS flanges, or direct welding**.

Various materials adapted to each environment (see page 3)

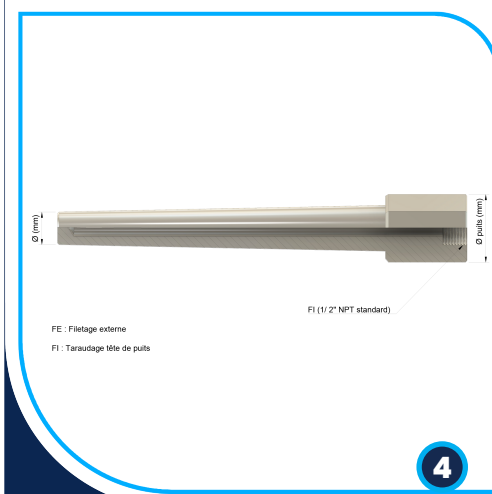
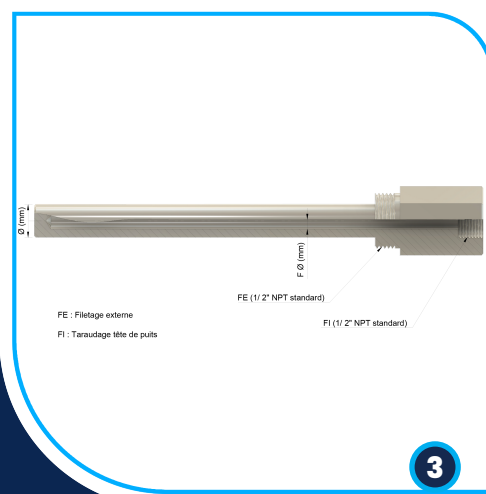
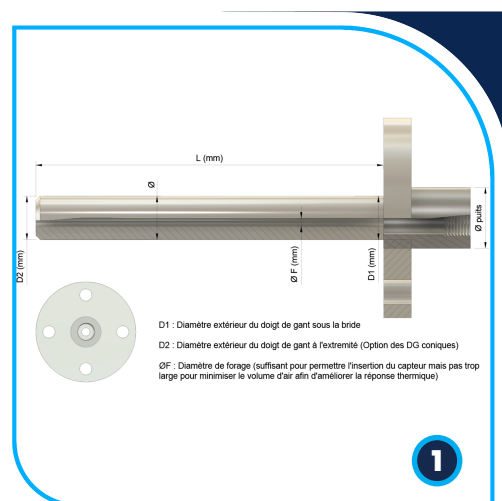
Agile production: standard models or custom designs with rapid turnaround

Verifications & **Certifications: ASME PTC 19.3 TW-2016 (wake frequency & stress calculation)**, pressure tests, radiography, penetrant testing, material certificates.

THE 4 FAMILIES OF THERMOWELLS

To meet all of these needs, **LOREME** offers **four (4) types** of standardized thermowells, each adapted to a specific use.

- 1 Thermowells with flange
- 2 Welding Thermowells
- 3 Screw-in Thermowells
- 4 Welded mechanical Thermowells



AVAILABLE MATERIALS

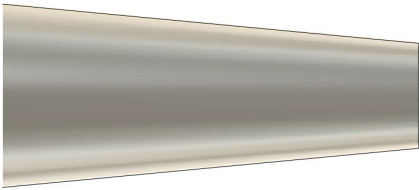
The choice of material determines temperature resistance, corrosion resistance, and lifespan.

Below are the standard options. Custom versions are available upon request.

Material	Typical use	Max. temp.
316L stainless steel (1.4404)	General applications, light chemistry.	~800°C
310 stainless steel	High temperatures, oxidation.	~1100°C
AISI 446	Sulfur atmospheres, boilers.	~1100°C
HR 160	Severe chemistry, cracking.	~1200°C
UB6	Acidic environments, petrochemicals.	~1200°C
Inconel 600 (2.4816)	High-temperature corrosive environments (excluding sulfur >550°C).	~1100°C
Incoloy 800 (1.4876)	Oxidation & cementation.	~1100°C
PTFE (Teflon)	Chemical inertness, anti-acid protection.	~250°C
PVC	Water, HVAC, low temperatures.	~100°C
Brass	Water, HVAC, low temperatures.	~200°C

MANUFACTURING OPTIONS

Sheath shape	parallel, conical, tiered.(See table below.)
Fixings	BSP/NPT/ISO threads, ANSI/DIN/JIS flanges, direct welding.
Controls & certifications	ASME PTC 19.3 TW-2016 calculations (wake frequency & stress calculation), pressure tests, radiography, penetrant testing, material certificates.

Conical	Straight	Tiered
		

CONTACT US

A project or development in temperature sensors?

Contact our design office: be.captteur@loreme.fr

Need a quick and accurate quote?

Send your request to: ventes@loreme.fr



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