



G1/2"

G1/2"

85

≈ 75

≈ 82

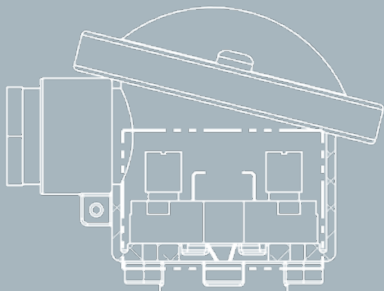
∅ 6

33

∅ 44

SENSORS CATALOGUE

TEMPERATURE MEASUREMENT IN INDUSTRIAL ENVIRONMENTS



∅ 1/2"

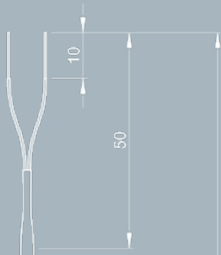
1/2

≈ 35

L3

L2

R45 ≥ ∅ 1/2"
R60 ≥ ∅ 3/4"



10

50

2000

PG7

∅ 18

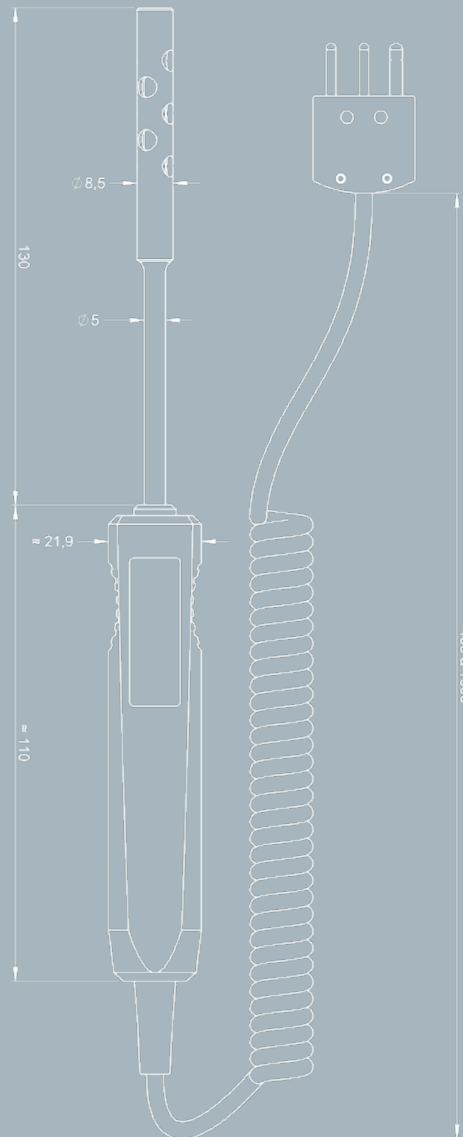
80

100

∅ 15

∅ 6,5

5



∅ 8,5

∅ 5

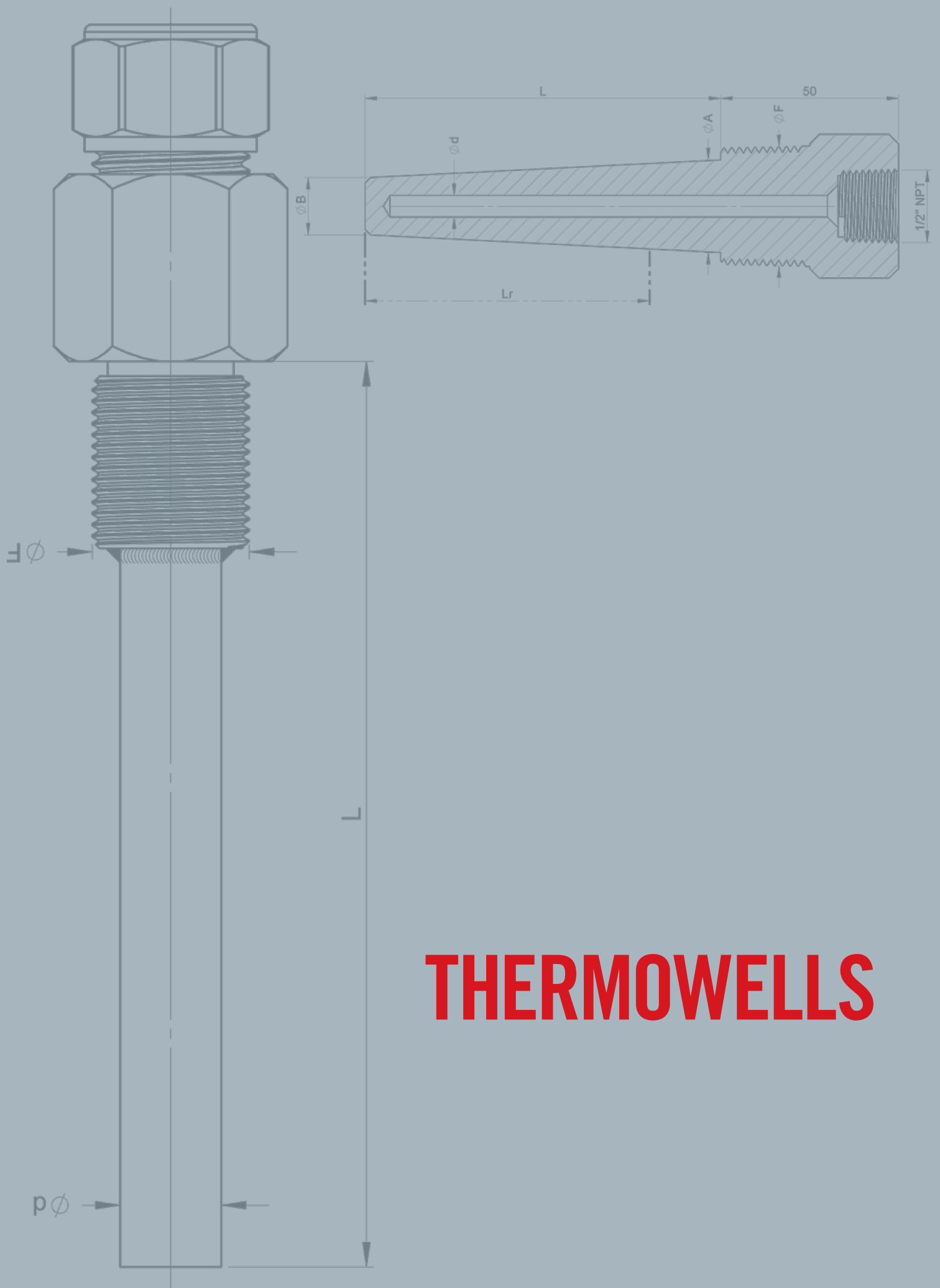
130

≈ 21,9

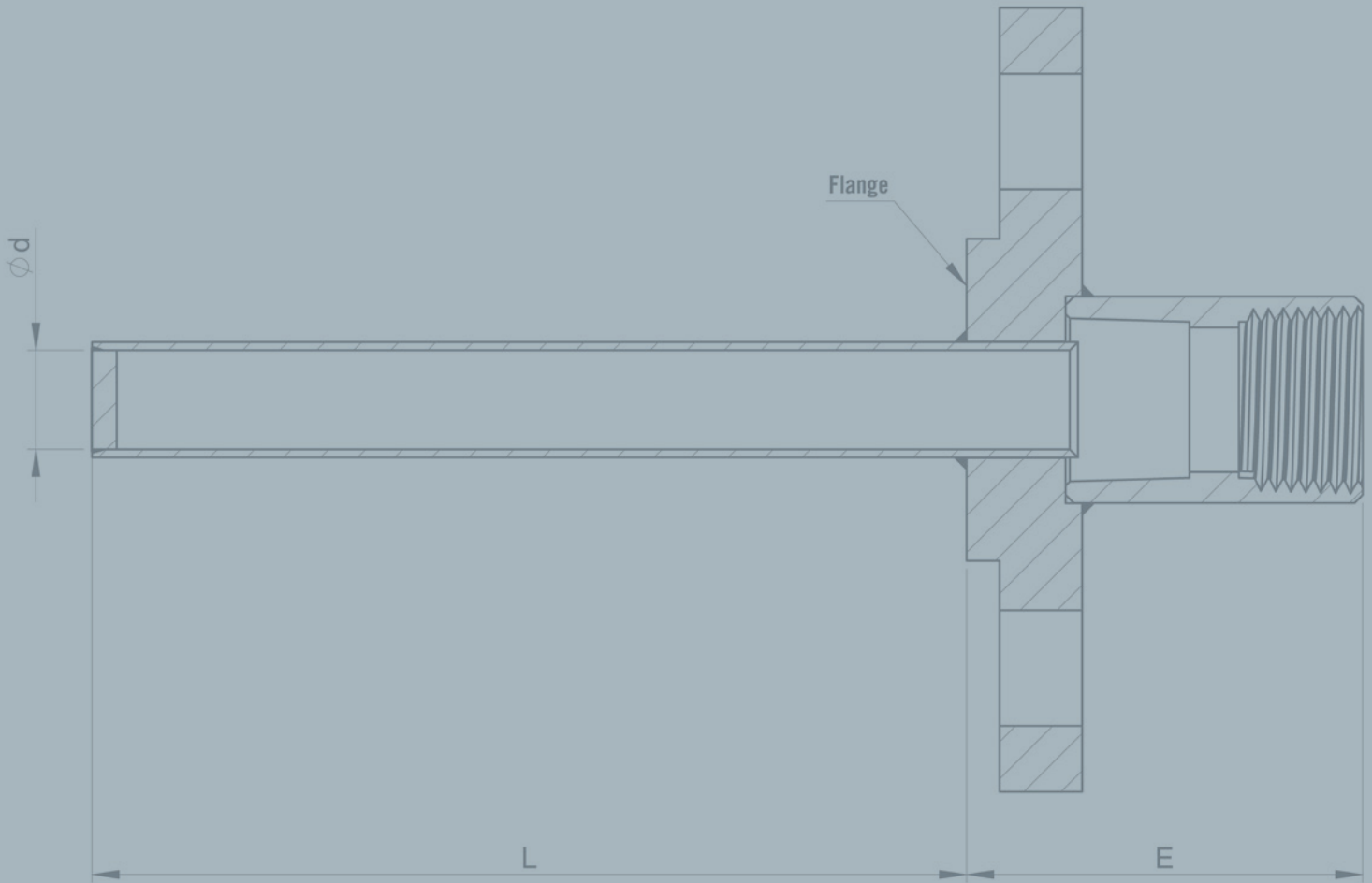
≈ 110

450 à 1000

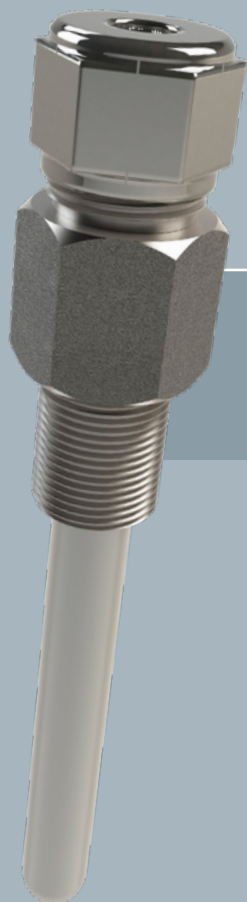




THERMOWELLS



PRODUCT	TYPE	DESIGN	PROCESS CONNECTION	CONSTRUCTION	MODEL	
Thermowell	Mechanically welded	Straight	Screwed		PMSV	240
			Flanged	Double welding	PMSB	242
	Bored	Straight	Screwed		PDV	244
			Flanged	Screwed/Welded	PDB-VS	246
		Double welding		PDB-2S	248	
		Tapered	Screwed		PCV	250
			Flanged	Screwed/Welded	PCB-VS	252
				Double welding	PCB-2S	254
	Full penetration			PCB-PP	256	
		Forged	PCB-F	258		



PMSV

THERMOWELL

STRAIGHT

SCREW-
ON

DESCRIPTION

Straight, screw-on, mechanically-welded thermowell for use in undemanding operating conditions.

SPECIFICATIONS

Model	PMSV
Max. pressure and temperature	100 bar / 350°C
Instrument connection	Leak-tight fitting
Sensor diameter	3 - 4.5 - 6 mm
Process connection	1/8" - 1/4" - 3/8" - 1/2" - 3/4" NPT
G 1/8" - 1/4" - 3/8" - 1/2" - 3/4"	5x3.5 - 6x5 - 9x7
Tube diameter (mm)	5x3.5 - 6x5 - 9x7
Material	316
Length L min/max (mm)	50 to 400 mm

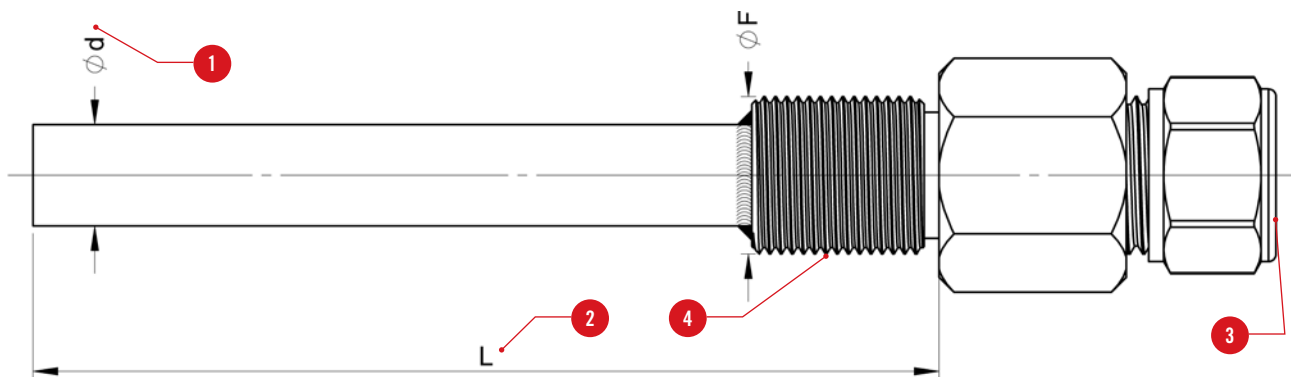
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	∅ TUBE (mm)	L (mm)	SENSOR DIAMETER (mm)	PROCESS CONNECTION
PMSV				
Reference in table and diagram	1	2	3	4
Possible choice	5 x 3.5: A 6 x 5: B 9 x 7: C	50 - 100 - 150 - 200 - 300 - 400	3.5: 35 4: 40 6: 60	1/8" NPT: N18 1/4" NPT: N14 3/8" NPT: N38 1/2" NPT: N12 3/4" NPT: N34 G 1/8": G18 G 1/4": G14 G 3/8": G38 G 1/2": G12 G 3/4": G34

DIAGRAM



For any other configuration, please contact us.

PMSB

THERMOWELL



STRAIGHT

FLANGED

DESCRIPTION

Straight, flanged, mechanically-welded thermowell for use in undemanding operating conditions.

SPECIFICATIONS

Model	PMSB
Instrument connection	1/2"NPT
Process connection	See table opposite
Tube diameter (mm)	10, 11, 12, 15, 20
Material	316L - 321
Length L min/max (mm)	50 to 2,000 mm

DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	MATERIAL	TUBE DIAMETER (mm)	FLANGE	L (mm)
PMSB				
Reference in table and diagram		1	2	3
Possible choice	316L: AC 321: AR	10, 11, 12, 15, 20	See table below	50 - 2 000 mm

DIAGRAM

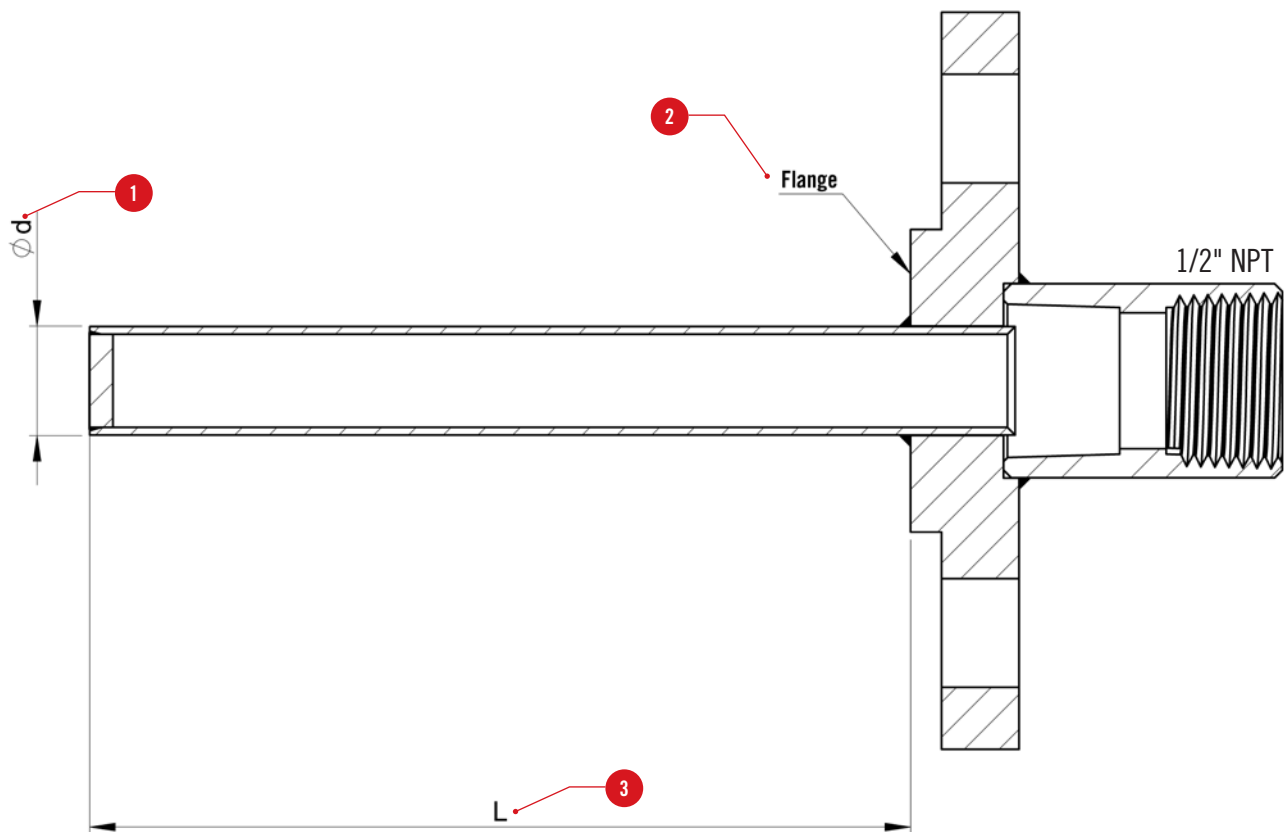
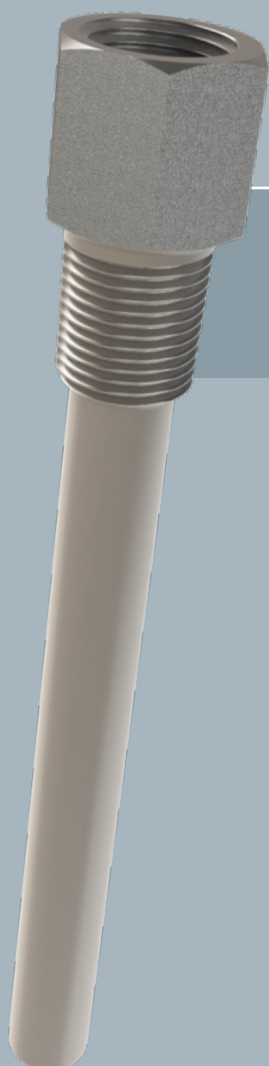


TABLE OF FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1

2

For any other configuration, please contact us.



PDV

THERMOWELL

BORED
FROM BAR
STOCK

STRAIGHT

SCREW-
ON

DESCRIPTION

Straight, screw-on thermowell bored from bar stock, for use in demanding operating conditions.

It offers an excellent mechanical pressure withstand.

SPECIFICATIONS

Model		PDV
Instrument connection		1/2"NPT
Process connection		3/4"NPT - 1"NPT - G3/4" - G1"
Diameter (mm)		20
Bore diameter (mm)		10 / 6.2
Material		304L - 316L - 321
Length L min/max (mm)		50 to 500 mm
Tip		Normal - Thinned - Reduced
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	PMI	1 point
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

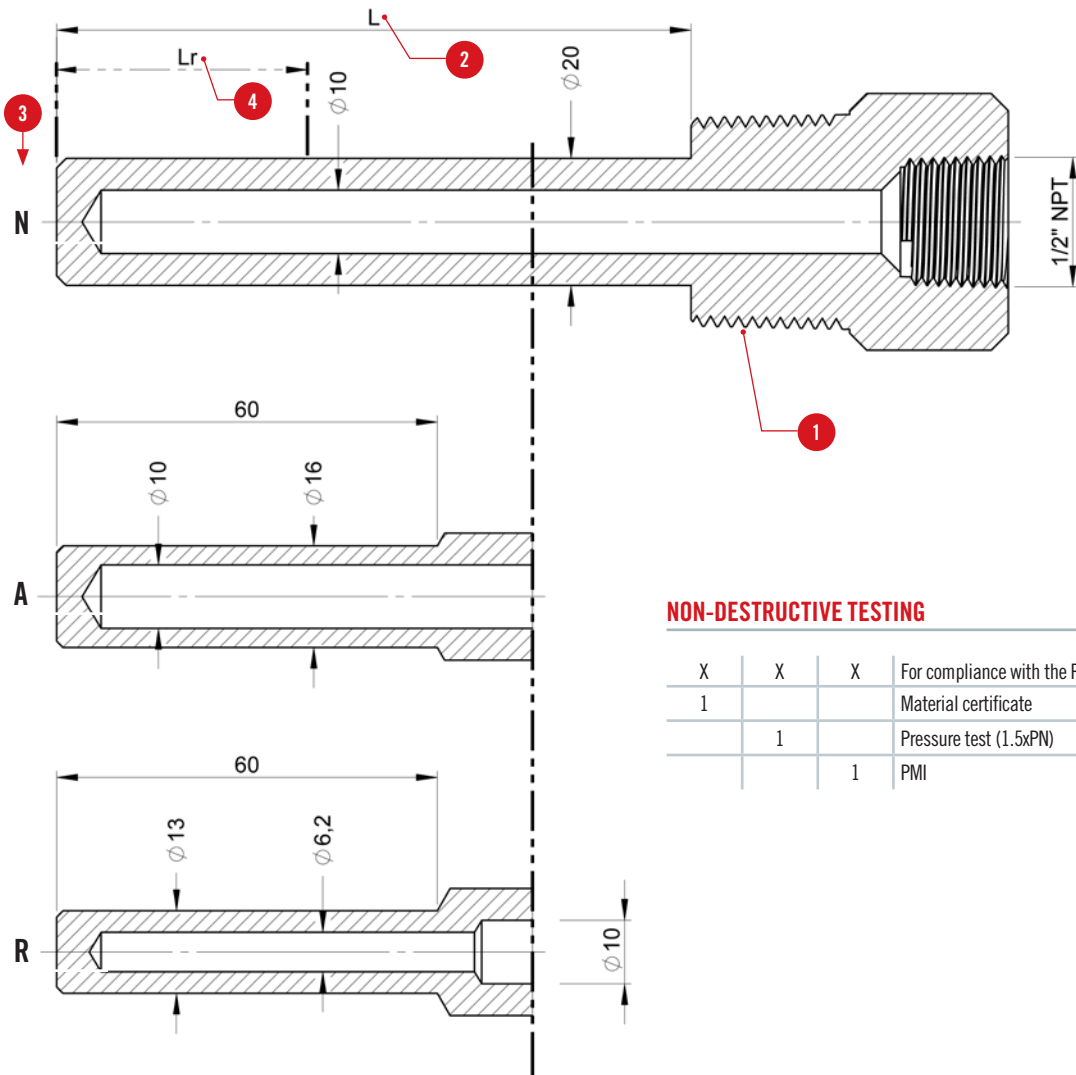
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	PROCESS CONNECTION	MATERIAL	LENGTH L (mm)	TIP	RA	OPTION	
						COATING	NDT
PDV	-	-	-	-	-	-	-
Reference in table and diagram	1		2	3		4	5
Possible choice	3/4"NPT: N34 1"NPT: N10 G3/4": G34 G1": G10	304L: AB 316L: AC 321: AR	50 to 500 mm	Normal: N Thinned: A Reduced: R	0.8: 08 1.6: 16	Without: 0000 Stellite: SXXX L max.: 200 mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table below).

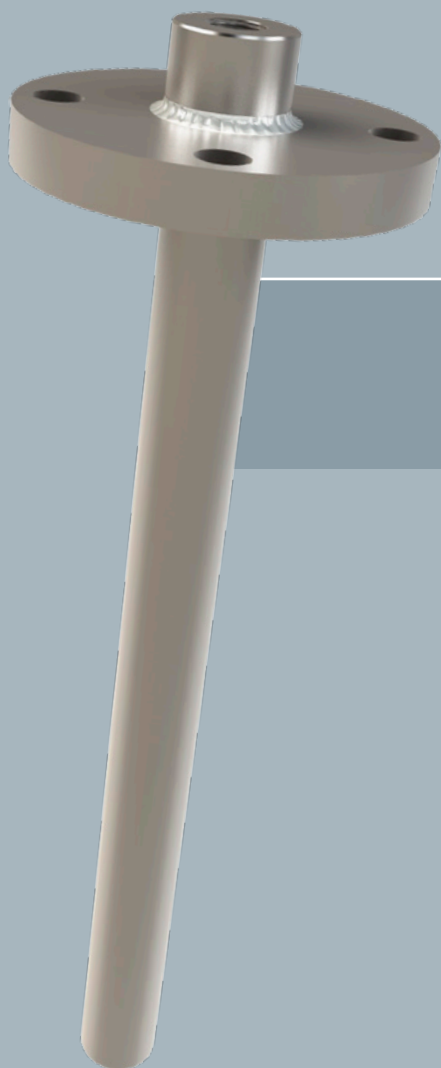
DIAGRAM



NON-DESTRUCTIVE TESTING

5			
X	X	X	For compliance with the PED directive 2014/68/EU
1			Material certificate
	1		Pressure test (1.5xPN)
		1	PMI

For any other configuration, please contact us.



PDB-VS

THERMOWELL

BORED
FROM BAR
STOCK

STRAIGHT

FLANGED

ASME
B16.5

DESCRIPTION

Straight thermowell bored from bar stock, with screwed and welded flange, for use in demanding operating conditions. It offers an excellent mechanical pressure withstand.

SPECIFICATIONS

Model		PDB-VS
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Diameter (mm)		20
Bore diameter (mm)		10 / 6.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	Penetrant test	Performed according to EN ISO3452 and interpreted according to EN ISO23277 level 1 or ASME VIII div 1.
	PMI	2 points (flange + thermowell)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

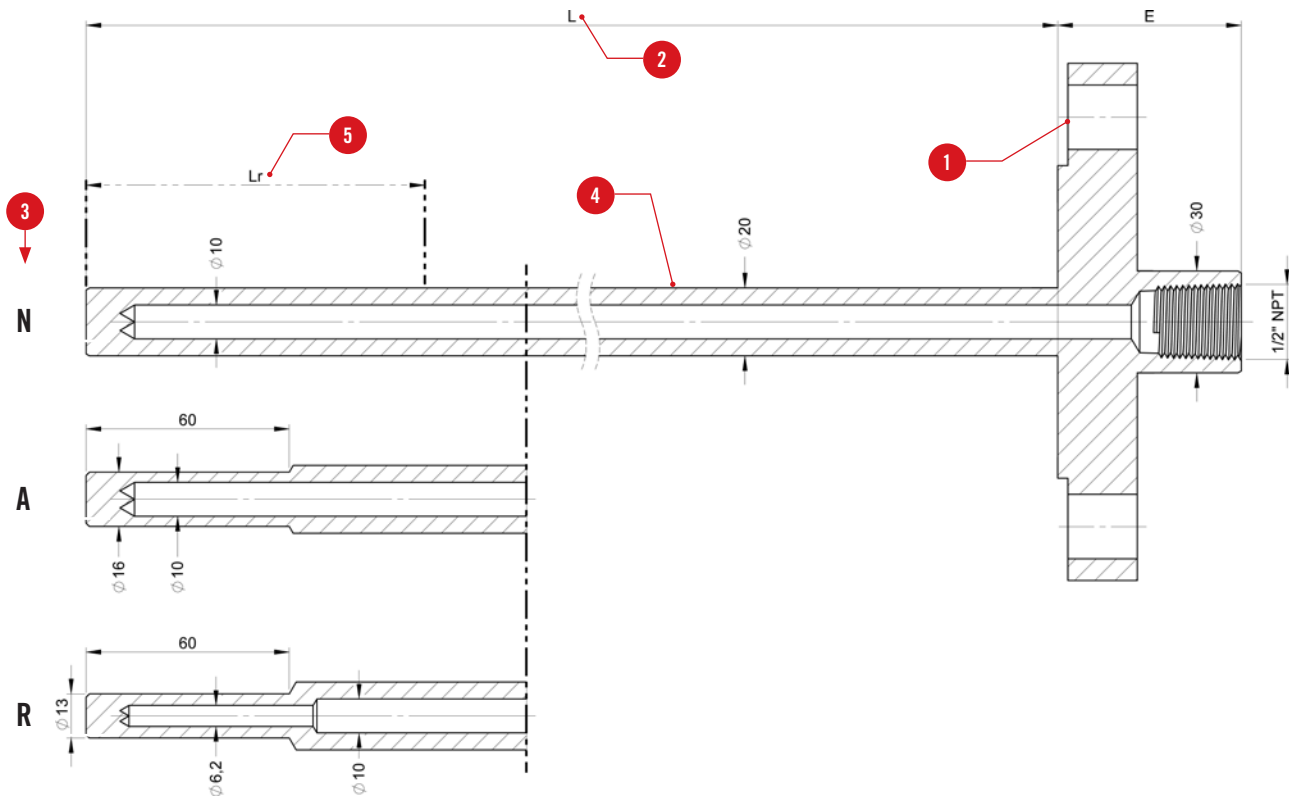
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	MATERIAL	LENGTH L (mm)	TIP	RA	EN OPTION	
						COATING	NDT
PDB-VS	-	-	-	-	-	-	-
Reference in table and diagram	1		2	3	4	5	6
Possible choice	As per table below	316L: AC 321: AR	50 to 500 mm	Normal: N Thinned: A Reduced: R	0.8: 08 1.6: 16	Without: 0000 Stellite: SXXX L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1

NON-DESTRUCTIVE TESTING

X	X	X	X	For compliance with the PED directive 2014/68/EU
1				Material certificate: flange + thermowell
	1			Weld penetrant test (COFREND 2)
		1		Pressure test (1.5xPN)
			1	PMI

For any other configuration, please contact us.



PDB-2S

THERMOWELL

BORED
FROM BAR
STOCK

STRAIGHT

FLANGED

ASME
B16.5

DESCRIPTION

Straight thermowell bored from bar stock, with flange welded on both sides (partial penetration), for use in demanding operating conditions.

It offers an excellent mechanical pressure withstand.

SPECIFICATIONS

Model		PDB-2S
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Diameter (mm)		20
Bore diameter (mm)		10 / 6.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	Penetrant test	Performed according to EN ISO3452 and interpreted according to EN ISO23277 level 1 or ASME VIII div 1.
	PMI	2 points (flange + thermowell)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

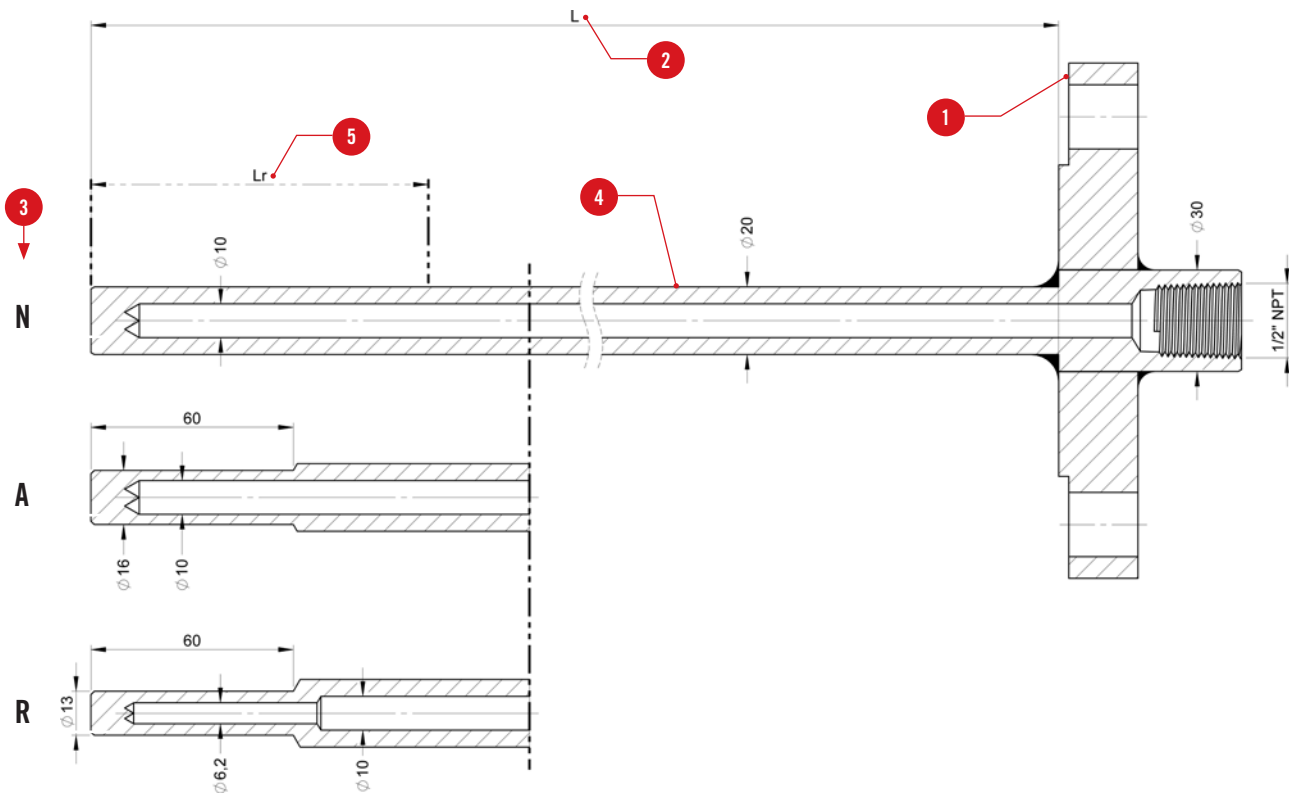
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	MATERIAL	LENGTH L (mm)	TIP	RA	OPTION	
						COATING	NDT
PDB-2S	-	-	-	-	-	-	-
Reference in table and diagram	1		2	3	4	5	6
Possible choice	As per table below	316L: AC 321: AR	50 to 500 mm	Normal: N Thinned: A Reduced: R	0.8: 08 1.6: 16	Without: 0000 Stellite: SXXX L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



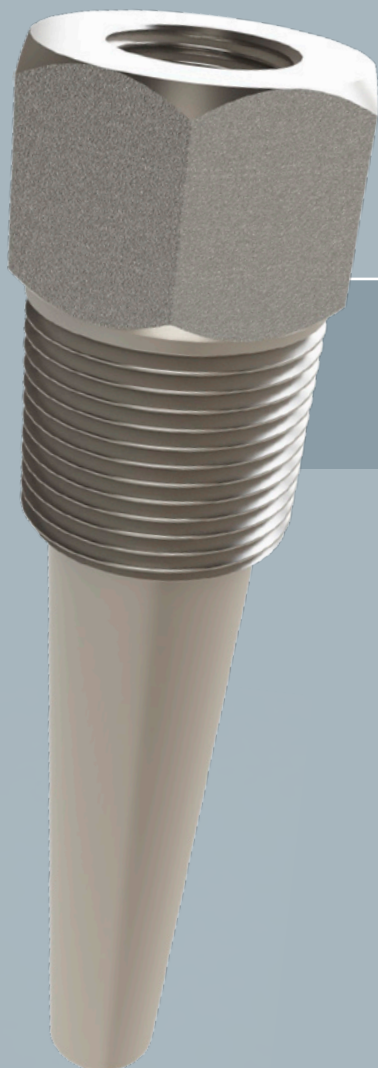
FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1

NON-DESTRUCTIVE TESTING

				6
X	X	X	X	For compliance with the PED directive 2014/68/EU
1				Material certificate: flange + thermowell
	1			Weld penetrant test (COFREND 2)
		1		Pressure test (1.5xPN)
			1	PMI

For any other configuration, please contact us.



PCV

THERMOWELL

BORED
FROM BAR
STOCK

TAPERED

SCREW-
ON

DESCRIPTION

Tapered, screw-on thermowell bored from bar stock, for use in demanding operating conditions.

It offers an excellent mechanical pressure withstand.

Compatible with PED 2014/68/EU.

SPECIFICATIONS

Model		PCV
Compliance with standards		ASME PTC19.3 TW-2016
Instrument connection		1/2"NPT
Process connection		3/4"NPT - 1"NPT - G3/4" - G1"
Thermowell shape		21x16 - 26x19
Bore diameter (mm)		6.2 - 6.5 - 8.2
Material		304L - 316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Calculation note	As per ASME PTC19.3 TW-2016
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	PMI	1 point
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

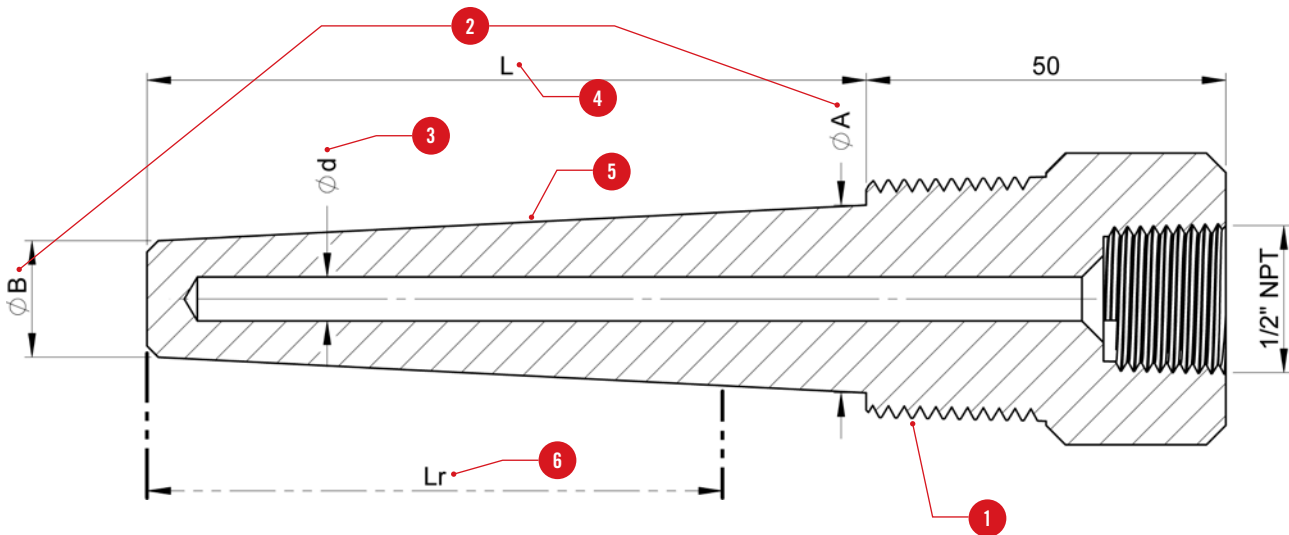
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	PROCESS CONNECTION	CONE AXB (mm)	∅ BORE	MATERIAL	LENGTH L (mm)	RA	OPTION	
PCV	-	-	-	-	-	-	-	-
Reference in table and diagram	1	2	3		4	5	6	7
Possible choice	3/4"NPT: N34 1"NPT: N10 G3/4": G34 G1: G10	21x16: 21 26x19: 26	6.2: 62 6.5: 65 8.2: 82	304L: AB 316L: AC 321: AR	50 to 500 mm	0.8: 08 1.6: 16	Without: 0000 Stellite L max.: 200mm xxx: length in mm from tip: SXXX Polishing: P000	Compliant with the PED directive 2014/68/EU (see table below).

DIAGRAM



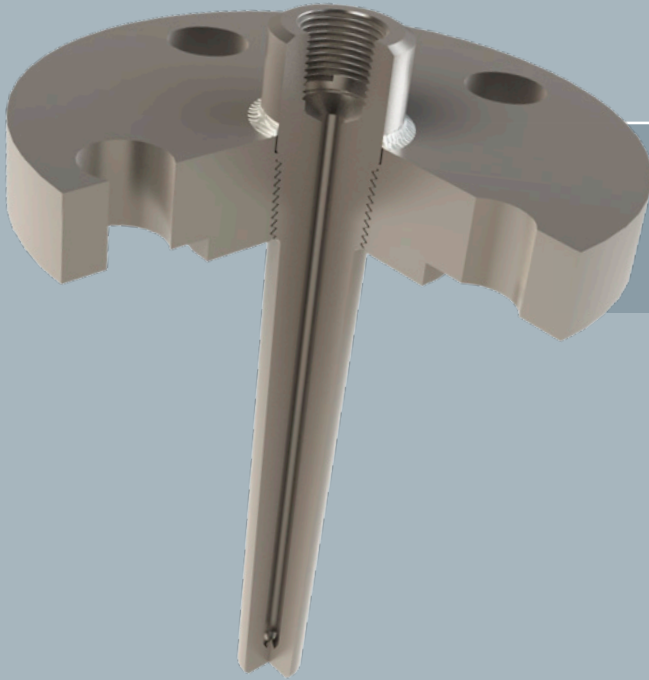
NON-DESTRUCTIVE TESTING

			7
X	X	X	For compliance with the PED directive 2014/68/EU
1			Material certificate: thermowell
	1		Pressure test (1.5xPN)
		1	PMI

For any other configuration, please contact us.

PCB-VS

THERMOWELL



ASME
B16.5

BORED
FROM BAR
STOCK

TAPERED

FLANGED

DESCRIPTION

Tapered thermowell bored from bar stock, with screw-on welded flange, for use in demanding operating conditions. It offers an excellent mechanical pressure withstand. Compatible with PED 2014/68/EU.

SPECIFICATIONS

Model		PCB-VS
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Thermowell shape AxB (mm)		21x16 - 26x19
Bore diameter d (mm)		6.2 - 6.5 - 8.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Stress withstand calculation note	As per ASME PTC19.3 TW-2016
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	Penetrant test	Performed according to EN ISO3452 and interpreted according to EN ISO23277 level 1 or ASME VIII div 1.
	PMI	2 points (flange + thermowell)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

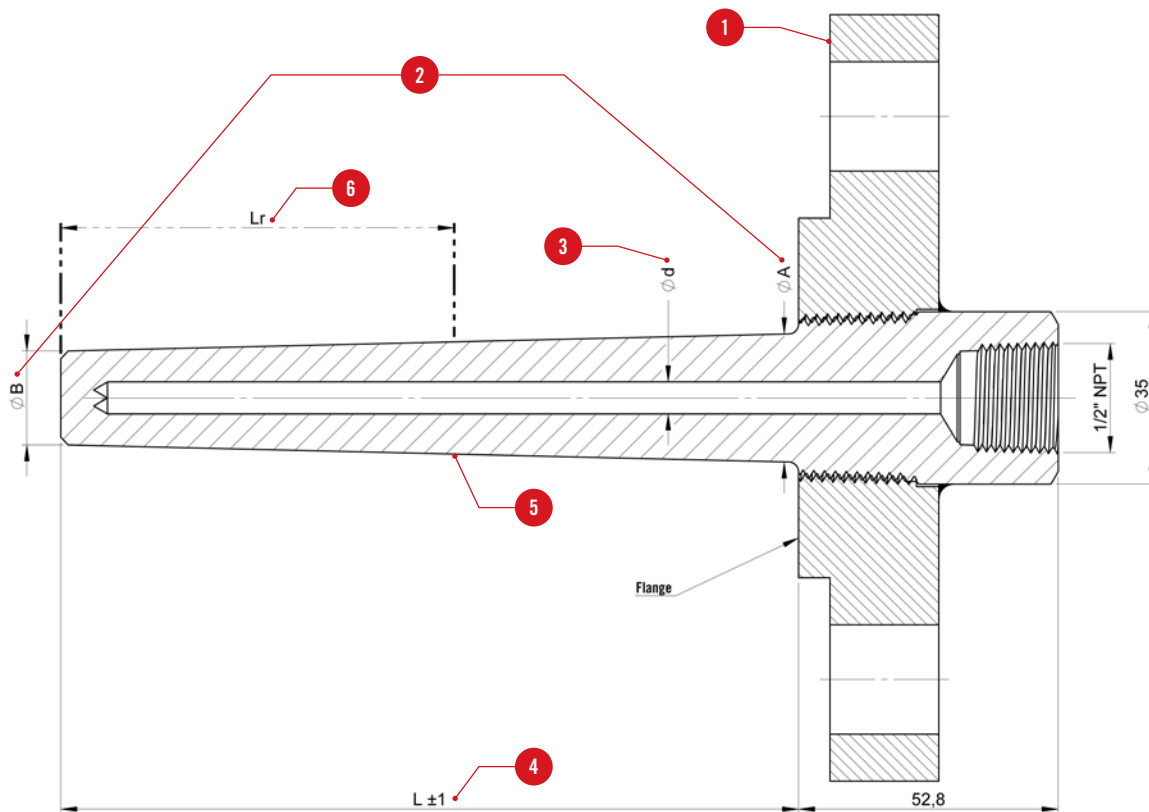
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	CONE AXB (mm)	β (mm)	MATERIAL	LENGTH L (mm)	RA	OPTION	
							COATING	NDT
PCB-VS	-	-	-	-	-	-	-	-
Reference in table and diagram	1	2	3		4	5	6	7
Possible choice	As per table below	21x16: 21 26x19: 26	6.2: 62 6.5: 65 8.2: 82	316L: AC 321: AR	50 to 500 mm	0.8: 08 1.6: 16	Without: 0000 Stellite: Sxxx L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
411	316L	1"1/2	600	RJ	40	100	
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1
245	321	1"1/2	600	RJ	40	100	

NON-DESTRUCTIVE TESTING

X	X	X	X	For compliance with the PED directive 2014/68/EU
1				Material certificate: flange + thermowell
	1			Calculation note as per ASME PTC.19.3 TW-2016
		1		Pressure test (1.5xPN)
			1	PMI

For any other configuration, please contact us.

PCB-2S

THERMOWELL

ASME
B16.5BORED
FROM BAR
STOCK

TAPERED

FLANGED

DESCRIPTION

Tapered thermowell bored from bar stock, with flange welded on both sides, for use in demanding operating conditions. It offers an excellent mechanical pressure withstand. Compatible with PED 2014/68/EU.

SPECIFICATIONS

Model		PCB-2S
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Thermowell shape AxB (mm)		21x16 - 26x19
Bore diameter d (mm)		6.2 - 6.5 - 8.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Stress withstand calculation note	As per ASME PTC19.3 TW-2016
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	Penetrant test	Performed according to EN ISO3452 and interpreted according to EN ISO23277 level 1 or ASME VIII div 1.
	PMI	2 points (flange + thermowell)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

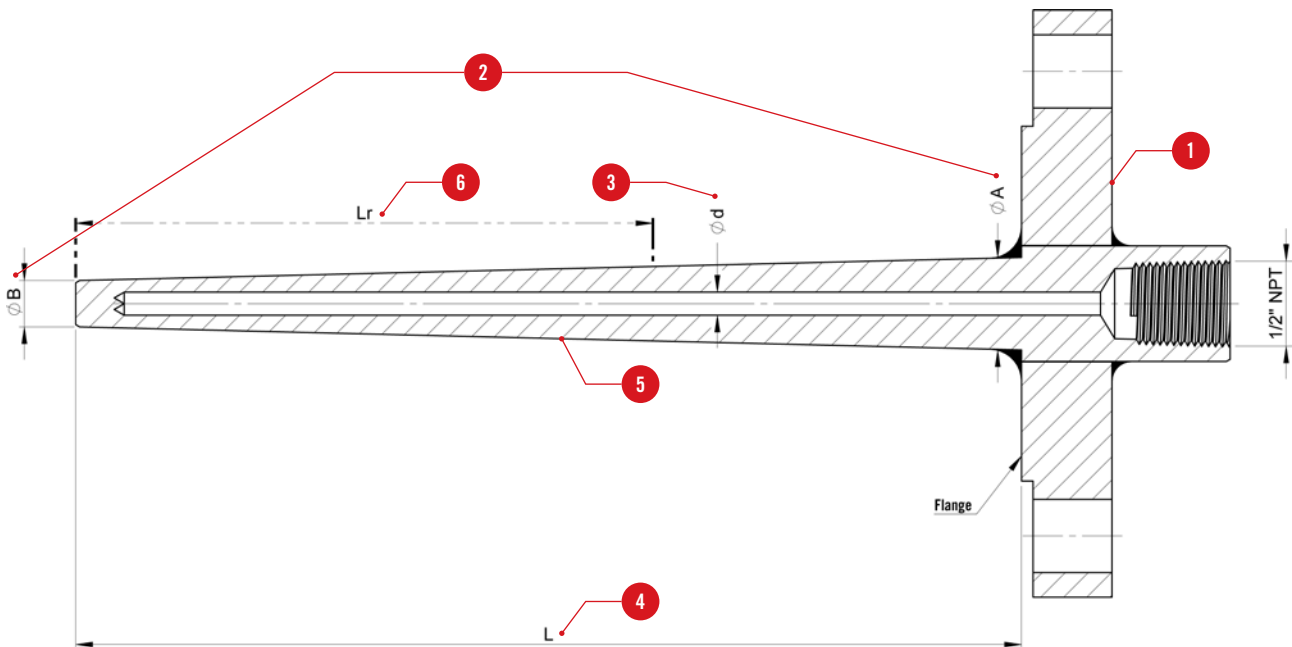
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	CONE AXB (mm)	β (mm)	MATERIAL	LENGTH L (mm)	RA	OPTION	
							COATING	NDT
PCB-2S	-	-	-	-	-	-	-	-
Reference in table and diagram	1	2	3		4	5	6	7
Possible choice	As per table below	21x16: 21 26x19: 26	6.2: 62 6.5: 65 8.2: 82	316L: AC 321: AR	50 to 500 mm	0.8: 08 1.6: 16	Without: 0000 Stellite: SXXX L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



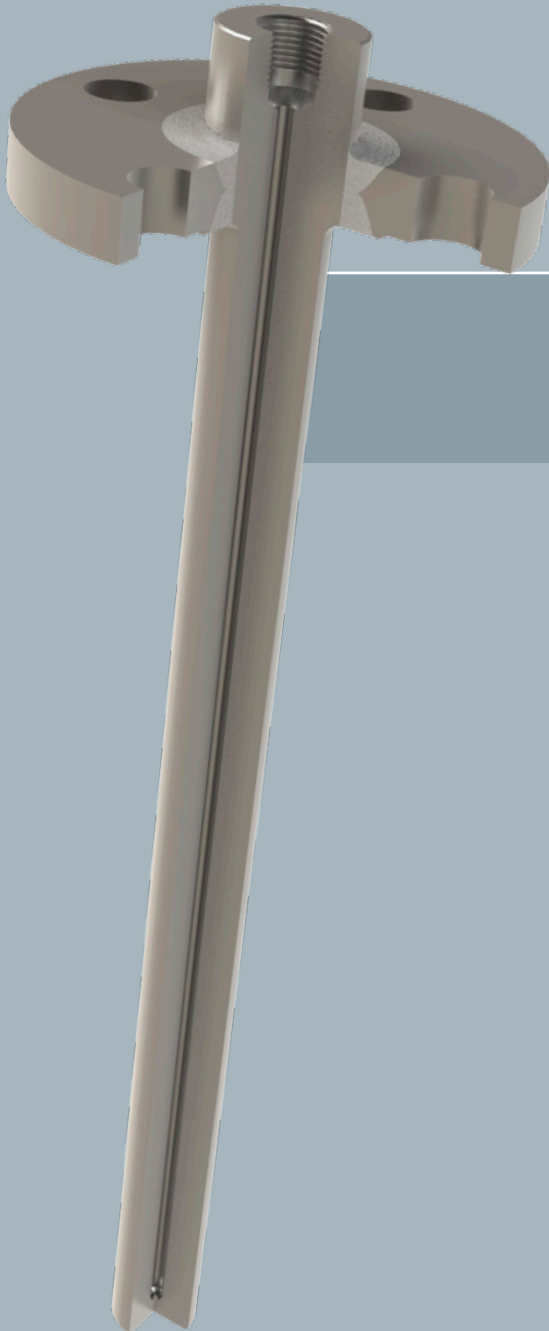
FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
411	316L	1"1/2	600	RJ	40	100	
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1
245	321	1"1/2	600	RJ	40	100	

NON-DESTRUCTIVE TESTING

X	X	X	X	X	
1					For compliance with the PED directive 2014/68/EU
	1				Material certificate: flange + thermowell
		1			Calculation note as per ASME PTC19.3 TW-2016
			1		Weld penetrant test (COFREND 2)
				1	Pressure test (1.5xPN)
					PMI

For any other configuration, please contact us.



PCB-PP

THERMOWELL

ASME
B16.5

BORED
FROM BAR
STOCK

TAPERED

FLANGED

DESCRIPTION

Tapered thermowell bored from bar stock with full-penetration welded flange, for use in demanding operating conditions. It offers an excellent mechanical pressure withstand. Compatible with PED 2014/68/EU.

SPECIFICATIONS

Model		PCB-PP
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Thermowell shape AxB (mm)		26x19 - 31x26 - 36x33
Bore diameter d (mm)		6.2 - 6.5 - 8.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Stress withstand calculation note	As per ASME PTC19.3 TW-2016
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	Penetrant test	Root and final, internal and external, performed as per EN ISO3452 and interpreted as per EN ISO23277 level 1 or ASME VIII div 1 for auto TIG, level 2 for manual TIG.
	PMI	3 points (flange, thermowell and weld)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

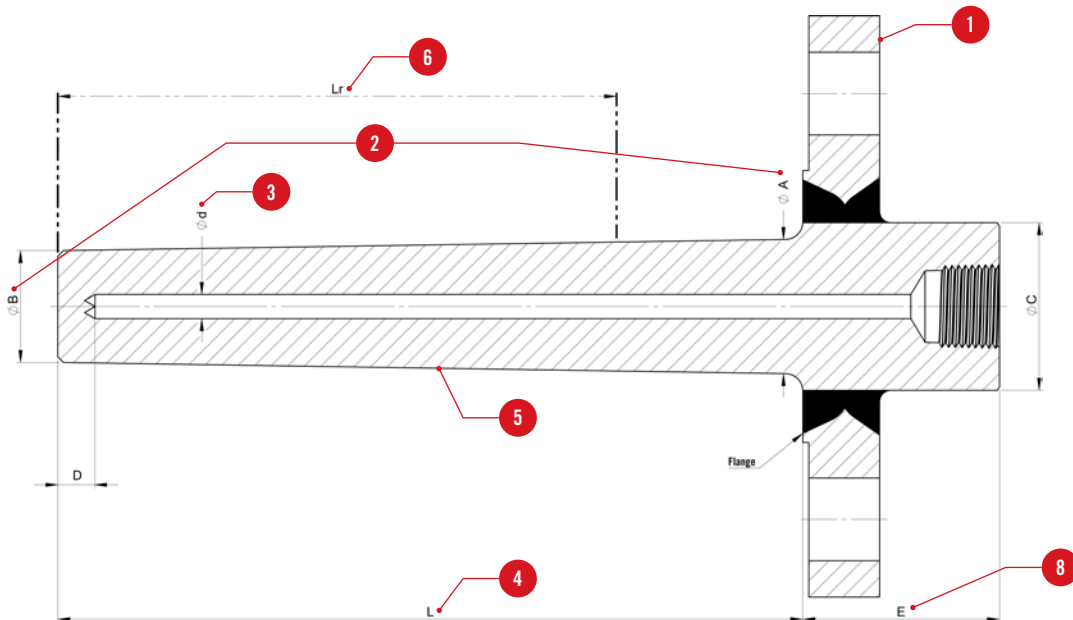
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	CONE AXB (mm)	β (mm)	MATERIAL	LENGTH L (mm)	RA	OPTION	
							COATING	NDT
PCB-PP	-	-	-	-	-	-	-	-
Reference in table and diagram	1	2	3		4	5	6	7
Possible choice	As per table below	21x16: 21 26x19: 26 36x33: 36	6.2: 62 6.5: 65 8.2: 82	316L: AC 321: AR	50 to 500 mm	0.8: 08 1.6: 16	Without: 0000 Stellite: SXXX L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
217	316L	1"1/2	150	RF	40	20	B1
218	316L	1"1/2	300	RF	40	50	B1
427	316L	1"1/2	600	RF	40	100	B1
411	316L	1"1/2	600	RJ	40	100	
463	316L	1"1/2	1500	RJ	40	250	
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1
245	321	1"1/2	600	RJ	40	100	
541	321	1"1/2	1500	RJ	40	250	

DIMENSION LINKED TO FLANGE

Flange Class	E (mm)
≤ 600	52.8
> 600	80

HEAD AND THERMOWELL DEPTH

AxB (mm)	Diam. C (mm)	D (mm)
26x19	35	9.5
31x26	40	10
36x33	45	13.5

NON-DESTRUCTIVE TESTING

X	X	X	X	X	
1					For compliance with the PED directive 2014/68/EU
	1				Material certificate: flange + thermowell
		1			Calculation note as per ASME PTC19.3 TW-2016
			1		Weld penetrant test (COFREND 2)
				1	Pressure test (1.5xPN)
					PMI

For any other configuration, please contact us.

PCB-F

THERMOWELL


**ASME
B16.5**
FORGED
TAPERED
FLANGED

DESCRIPTION

Tapered thermowell bored from bar stock with flange, made from forging interstage, for use in very demanding operating conditions. It offers an excellent mechanical pressure withstand. Compatible with PED 2014/68/EU.

SPECIFICATIONS

Model		PCB-F
Compliance with standards		ASME B16.5
Instrument connection		1/2"NPT
Process connection	Flange	As per table opposite
Thermowell shape AxB (mm)		26x19 - 31x26 - 36x33 - 41x36
Bore diameter d (mm)		6.2 - 6.5 - 8.2
Material		316L - 321
Length L min/max (mm)		50 to 500 mm
Roughness	Ra	0.8 - 1.6
Non-Destructive Tests for compliance with the PED directive 2014/68/EU	Material certificate	As per EN10204 3.1
	Stress withstand calculation note	As per ASME PTC19.3 TW-2016
	Pressure test	Internal at 1.5xPN for 15' (max. 600 bar) as per ASME Section XIII Division 1 Section UG-99
	PMI	1 point (forged bar)
Coating		Stellite, thickness 2 mm MFA, thickness 0.1mm Tantalum, thickness 0.5mm Hard chromium plating

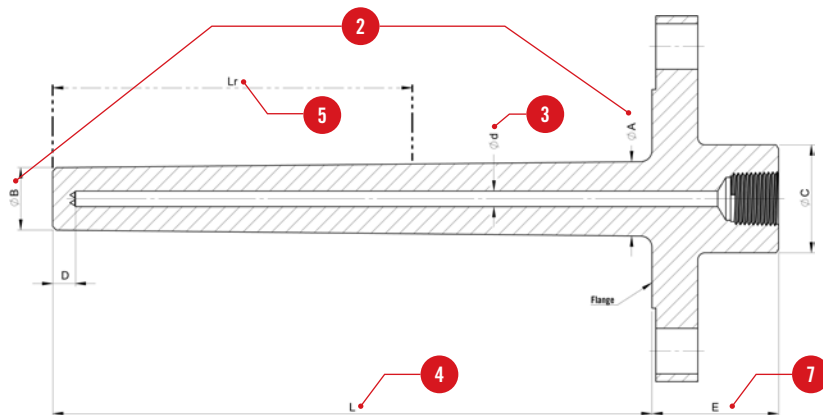
DESIGN YOUR THERMOWELL

CONFIGURATOR CODE

Parameters to be indicated when ordering

MODEL	FLANGE	CONE AxB (mm)	β (mm)	MATERIAL	LENGTH L (mm)	RA	OPTION	
PCB-F							COATING	NDT
Reference in table and diagram	1	2	3		4		5	6
Possible choice	As per table below	26x19 : 26 31x26 : 31 36x33 : 36 41x36 : 41	6.2 : 62 6.5 : 65 8.2 : 82	316L : AC 321 : AR	50 to 500 mm	0.8 : 08 1.6 : 16	Without: 0000 Stellite: SXXX L max.: 200mm Halar: Mxxx Tantalum: Txxx (xxx: length in mm from tip)	In compliance with the PED directive 2014/68/EU (see table opposite).

DIAGRAM



FLANGES

Flange code	Material	ANSI B16.5			EN1092-1		
		DN	Class	Face	DN	PN	Face
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463	316L	1"1/2	1500	RJ	40	250	
540	321	1"1/2	150	RF	40	20	B1
481	321	1"1/2	300	RF	40	50	B1
482	321	1"1/2	600	RF	40	100	B1
245	321	1"1/2	600	RJ	40	100	
541	321	1"1/2	1500	RJ	40	250	
219	316L	2"	150	RF	50	20	B1
409	316L	2"	300	RF	50	50	B1
448	316L	2"	600	RF	50	100	B1
238	316L	2"	600	RJ	50	100	
477	316L	2"	1500	RJ	50	250	
502	316L	2"	2500	RJ	50	420	
562	321	2"	150	RF	50	20	B1
269	321	2"	300	RF	50	50	B1
519	321	2"	600	RF	50	100	B1
563	321	2"	600	RJ	50	100	
564	321	2"	1500	RJ	50	250	
565	321	2"	2500	RJ	50	420	

HEAD AND THERMOWELL DEPTH

DN	AxB (mm)	C (mm)	D (mm)
1"1/2	26x19	35	9.5
1"1/2 - 2"	31x26	40	10
	36x33	45	13.5
2"	41x36	50	15

DIMENSION LINKED TO FLANGE

Flange Class	E (mm)
≤ 600	52.8
> 600	80

NON-DESTRUCTIVE TESTING

X	X	X	X	
1				For compliance with the PED directive 2014/68/EU
	1			Material certificate: flange + thermowell
		1		Calculation note as per ASME PTC19.3 TW-2016
			1	Pressure test (1.5xPN)
				PMI

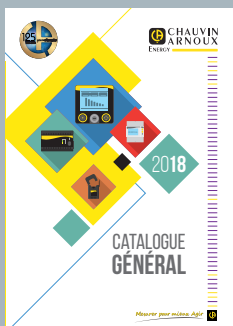
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