

V-shaped thermometer: Protection sheaths

They are used to enhance safety at the point where the thermometer is fixed to the facility. They are required when operating pressure is over 16 bar. These accessories also prevent facility stoppages whenever the thermometer has to be replaced. They resist extreme hard conditions: vibrations, humidity, high temperature, outdoor installations.

STANDARD PARAMETERS

Design: **DIN 16179**

Structure:

BD- Two welded pieces, female connection to the thermometer and male connection to the process

BE- A single piece, female connection to the thermometer and male connection to the process

BS- A single piece, female connection to the thermometer and welded to the process

CD- Two welded pieces, male connection to the thermometer and male connection to the process

CE- A single piece, male connection to the thermometer and male connection to the process

CS- A single piece, male connection to the thermometer and welded to the process

Connection system: **Male thread or Welded**

Threads: **Standard BSP, metrics or NPT**

Stem length (L), including thread: **25-500mm**

Stem diameter (Ø): **Ø12, Ø13, Ø14, Ø17 or Ø22**

MATERIALS

Brass / Carbon steel /Stainless steel AISI 304, 316 or 316L

DIMENSIONS(mm)

		d1	d3	d4	d5	d7	r1	s1	h1	h2	h3	b1	b2	sw	L2
BD	M20x1.5	25	27	-	13	-	2	22	12	-	16	25	27	L - 18	
	½"BSP	32	32	-	13	-	2	26	15	-	20	25	32	L - 22	
	M27x2	32	32	-	13	-	2	26	15	-	20	25	32	L - 22	
BE	M20x1.5	25	27	-	17	8,5	7,5	22	12	-	16	25	27	L - 11	
	½"BSP	32	32	-	22	9,5	7,5	26	15	-	20	25	32	L - 15	
	M27x2	32	32	-	22	9,5	7,5	26	15	-	20	25	32	L - 15	
BS	-	-	30	25	-	8,5	7,5	-	-	39	16	19	-	L - 18	
	-	-	36	26	-	9,5	7,5	-	-	45	20	24	-	L - 18	
CD	M20x1.5	25	-	-	13	-	2	22	12	-	-	-	27	L - 18	
	½"BSP	32	-	-	13	-	2	26	15	-	-	-	32	L - 22	
	M27x2	32	-	-	13	-	2	26	15	-	-	-	32	L - 22	
CE	M20x1.5	25	-	-	13	8,5	2	25	25	-	-	-	27	L - 18	
	½"BSP	32	-	-	13	8,5	2	25	25	-	-	-	27	L - 18	
	M27x2	32	-	-	13	9,5	2	29	32	-	-	-	32	L - 22	
CS	-	-	24	-	-	8,5	7,5	-	-	39	-	-	-	L - 18	
	-	-	30	-	-	9,5	7,5	-	-	45	-	-	-	L - 18	

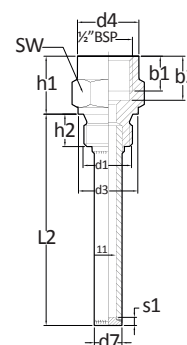
L2 measures the distance of the stem and thread in the protection sheath

L measures the distance of the stem and thread in the thermowell

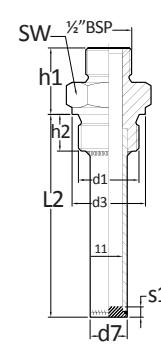
Operation limits

		BD	BE	BS	CD	CE	CS
Maximum pressure bar	Brass	25	150	160	25	150	160
	Steel	40	150	160	25	150	150
Maximum temperature °C	Brass	160	300	300	160	300	300
	Steel	400	300	400	400	300	400

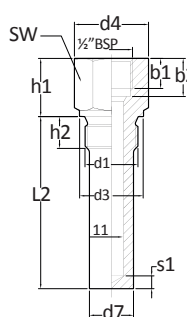
BD



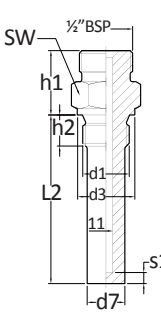
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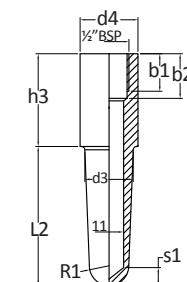
BE



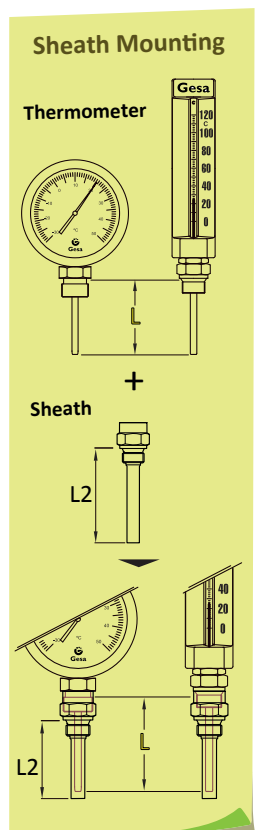
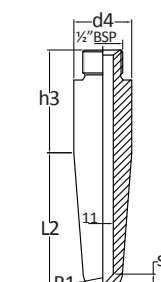
CE



BS



CS



How to order

1.Model

BD **BE** **BS**
CD **CE** **CS**

2.Stem length in mm (L)

63 100 160 200

3.Stem diameter in mm

Ø12 Ø13 Ø14
Ø17 Ø22

4.Threaded connection

1/2" BSP male 1/2" BSP Female

5. Stem Material

Brass
Chromed carbon steel
Galvanized carbon steel
Stainless steel AISI 304
Stainless steel AISI 316

C0301 -

1

2

3

4

5



Gesa Termómetros S.L. - C/ Barrikako Bidea Pol. Ind. Igeltzera Pabellón D3 - 48610 Urduliz (Bizkaia) ESPAÑA

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www.termometros.com

Order it online!

+34 94 676 63 64

info@termometros.com