

Fabricated, with Aseptic Connection Model SW200H, SW500H, SW800H

WIKA Data Sheet TW 90.45



Applications

- Food and beverage industry
- Biochemical and pharmaceutical industry, production of active ingredients
- Sterile process technology, enameling lines
- For use with electrical and mechanical thermometers

Special Features

- Materials and surface finish quality according to the guide lines and standards of the pharmaceutical industry
- 3A certified ¹⁾
- Quick removable measuring point cleaning without residues
- Hygienic design

Description

Material of wetted parts

Stainless steel 1.4435 (316L)

Nominal size

see table page 3

Pressure ratings (static)

VARIVENT ®:	25 bar
Tri-clamp, DIN 32676, ISO 2852:	40 bar
DIN 11 851:	40 bar
DIN 11 864:	40 bar

Instrument connection

SW200H:	male thread, running nut
SW500H:	female thread
SW800H:	male thread

Pipes (Ø F₁ x s) for probe diameter

Ø 6 x 1 mm and Ø 6 x 1.4 mm for probe Ø 3 mm with electrical thermometers ²⁾
 Ø 8 x 0.9 mm for probe Ø 6 mm with electrical and mechanical thermometers
 Ø 12 x 1.5 mm for probe Ø 8 mm with mechanical thermometers



Thermowell with Aseptic Connection Model SW200F

Insertion length U₁

25, 50, 100, 150 mm

Total length L

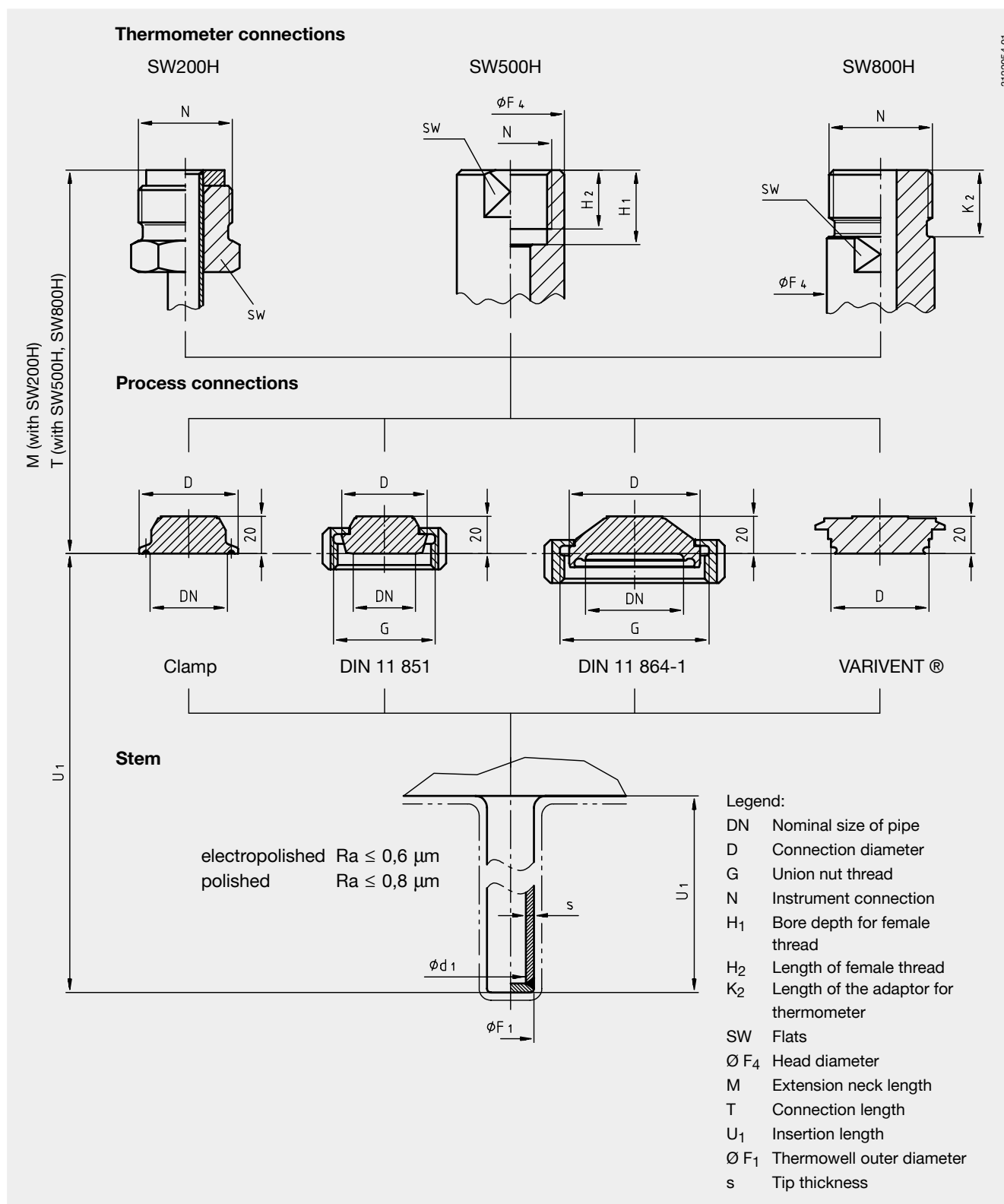
SW200H: Insertion length U₁ + extension neck length M
 SW500H, SW800H: Insertion length U₁ + connection length T

Optional extras

- Other dimensions and materials
- Quality certificates

¹⁾ 3A Certifying for Model SW200H with use of Model TR48x
²⁾ Not possible with thermowell Model SW500H and SW800H

Dimensions in mm



Model	Dimensions in mm				H ₁	H ₂	K ₂	SW	Ø F ₄
	N	M	T						
SW200H	M 24x1.5	85	—	—	—	—	24	—	
	G ½								
SW500H	G ½	—	50	19	15	—	24	27.5	
	½ NPT								
SW800H	G ½ B	—	—	—	—	12	24	27.5	
	G ¾ B					14			

Process connection		Nominal size DN in mm/in.	Dimensions in mm	
			D	G
Clamp	Tri-clamp	1 ½ "	50	—
		2 "	64	
	DIN 32 676	DN 32	50	
		DN 40	50	
		DN 50	64	
		DN 51	64	
	ISO 2852	DN 33.7	50	
		DN 38	50	
		DN 40	64	
Female union nut DIN 11 851 with conical coupling, for pipes acc. to DIN 11 850		DN 25	44	Rd 52 x ⅙
		DN 40	56	Rd 65 x ⅙
		DN 50	68.5	Rd 78 x ⅙
Female union nut DIN 11 864-1 with liner form A, for pipes acc. to DIN 11 850		DN 40	54.9	Rd 65 x ⅙
		DN 50	66.9	Rd 78 x ⅙
VARIVENT ®	form F	DN 25/32	50	—
	form N	DN 40/50	68	

Suitable stem lengths of mechanical thermometers

Model	Dial thermometers	
	Design of connection	Stem length l ₁
SW200H, SW 800	3	l ₁ = L - 10 mm or l ₁ = U ₁ + M - 10 mm
SW500H	S / 4 / 5	l ₁ = L - 10 mm or l ₁ = U ₁ + T - 10 mm
SW500H	2	l ₁ = L - 30 mm or l ₁ = U ₁ + T - 30 mm

Ordering information

Model / Material / Process connection / Instrument connection / Bore size / Total length / Insertion length U₁ / Optional extras required

Modifications may take place and materials specified may be replaced by others without prior notice.
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.



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