

# Special Stems for Gas-actuated Thermometers

A3.2/A4.2

A4.3

## Stem without bent tube

### Application

For difficult installation conditions and overlong thermowells.

### Standard Versions

For thermometers with rigid mount to stem, with neck tube ① between thermometer and stem, capillary line ② between connection screw fitting ③ and vessel ④ (active length  $L_a$ ), capillary line wetted, if applicable.

### Temperature Sensor (Stem)

Made of stainless steel 316Ti (1.4571)  
 Max. static operating pressure: 25 bar  
 Stem models optionally: A3.2, A4.2 or A4.3

### Stem $\varnothing$ dF

8, 10 or 12 mm

### Capillary Line

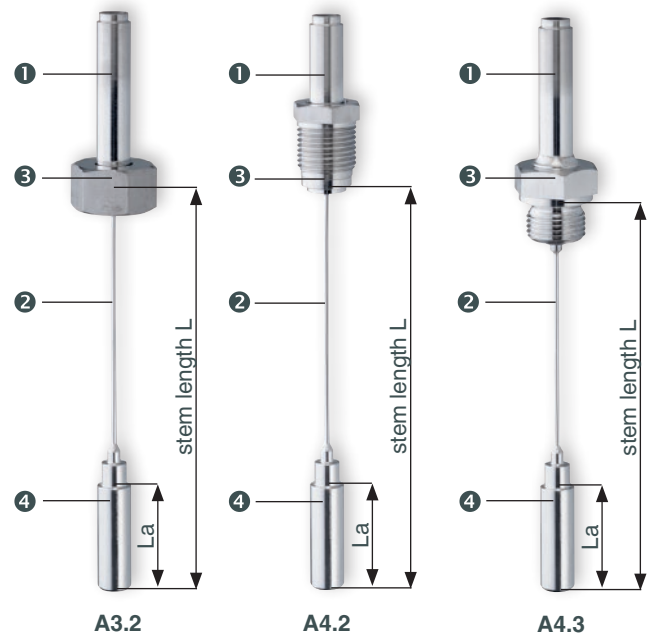
Stainless steel,  $\varnothing$  2 mm

### Stem Length (Capillary Line and Vessel)

$L = 200$  mm to 15 m

### Material Connection Screw Fitting

Stainless steel 316Ti (1.4571)



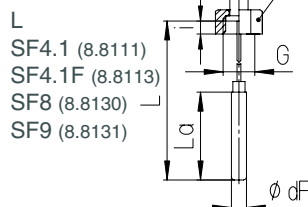
### Options

- Other connection threads upon request
- Other stem (vessel) diameters upon request
- Stem length > 15 m upon request

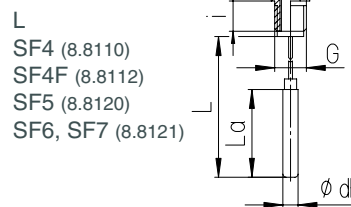
Stem Model:	A3.2	A4.2	A4.3
Process connection:	Union nut	Male thread, turnable	Male thread, rigid

### Order length:

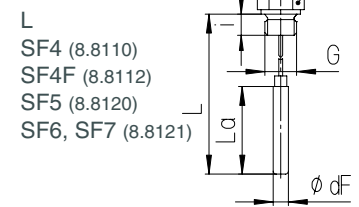
Suitable thermowell models:  
 (data sheet)



SF4.1 (8.8111)  
 SF4.1F (8.8113)  
 SF8 (8.8130)  
 SF9 (8.8131)



SF4 (8.8110)  
 SF4F (8.8112)  
 SF5 (8.8120)  
 SF6, SF7 (8.8121)



SF4 (8.8110)  
 SF4F (8.8112)  
 SF5 (8.8120)  
 SF6, SF7 (8.8121)

### Thread

(dimensional data in mm):

G	SW	i
G 1/2	27	10
G 3/4	32	12
M20x1.5	27	10
M24x1.5	32	12
M27x2	32	12

G	SW	i
G 1/2 B	22	20
G 3/4 B	27	23
M18x1.5	22	14
M20x1.5	22	20

Thermowell required!

G	SW	i
G 1/2 B	27	14
G 3/4 B	32	16
1/2" NPT	27	19
3/4" NPT	27	19
M18x1.5	24	14
M20x1.5	27	14

### Minimum Stem Length and Active Length (mm)

Stem model:	Length:	Thread:	Stem length including vessel $\leq 5$ m						Stem length including vessel > 5 m to 15 m					
			up to max. 500 °C			500 °C and above			up to max. 500 °C			500 °C and above		
			Stem $\varnothing$ dF:			Stem $\varnothing$ dF:			Stem $\varnothing$ dF:			Stem $\varnothing$ dF:		
A3.2/A4.2/A4.3	$L_a$	all standard threads	12	10	8	12	10	8	12	10	8	12	10	8
A3.2/A4.2/A4.3	$L_{min}$	all standard threads	35	45	75	75	105	165	53	80	115	150	200	320
A3.2/A4.2/A4.3	$L_{min}$	all standard threads	115	125	155	155	185	245						

The minimum length  $L_{min}$  is the length of the vessel plus 80 mm capillary line up to screw fitting.  
 The active length  $L_a$  is the temperature-sensitive part of the stem.