

Special Stems for Gas-Actuated Thermometers

A2 / A7

A7.1

Stem without bent tube

Connection screw fitting adjustable at the capillary line

Application

For difficult installation conditions and overlong thermowells.

Standard Versions

For thermometers, with capillary line (1) between thermometers and vessel (2) (active length L_a), connection screw fitting (3), turnable and adjustable at the capillary line, capillary line wetted, if applicable.

Temperature Sensor (Vessel)

1.4571 (316 stainless steel), stem models optionally A2, A7 or A7.1

Stem-Ø dF

8, 10 or 12 mm (0.31", 0.4" or 0.47")

Capillary Line

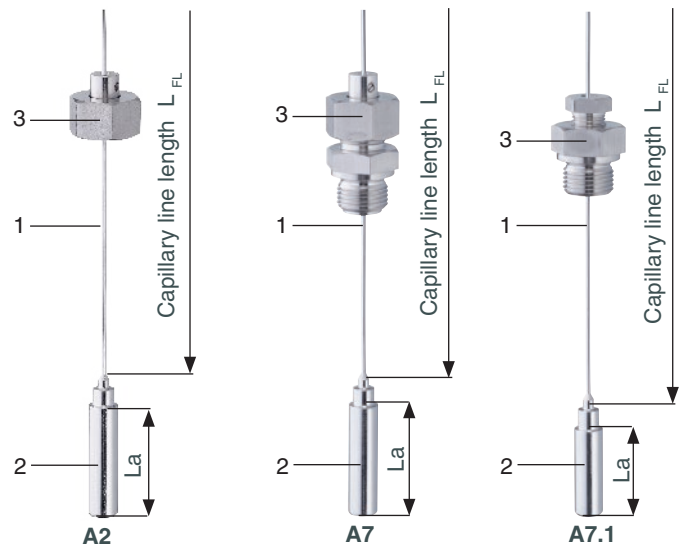
Stainless steel, Ø 2 mm, buckle protection to thermometer case

Capillary Line Length

L_{FL} = 1m to 15 m

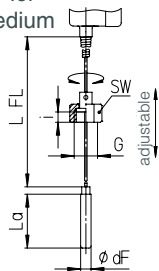
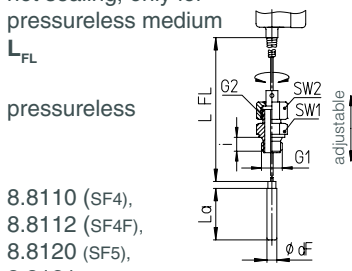
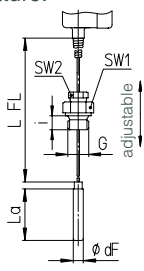
Material Connection Screw Fitting

1.4571 (316 stainless steel)



Options among others

- Other process connection upon request
- Other stem- (vessel-) diameter upon request
- Capillary line > 15 m upon request

Stem Model:	A2	A7	A7.1																																																																																										
Process connection:	Union nut lateral fixing screw	Male thread, turnable / double male adapter lateral fixing screw	Male thread, clamp-connection at capillary line																																																																																										
Specifics:	for application without thermowell not sealing, only for pressureless medium	for application without thermowell not sealing, only for pressureless medium	clamping ring FPM (Viton®) medium temperature: max. 180°C																																																																																										
Order length L_{FL}																																																																																													
P max.:	pressureless	pressureless	1.5 bar																																																																																										
Data sheet (suitable thermowell model):	8.8111 (SF4.1), 8.8113 (SF4.1F), 8.8130 (SF8), 8.8131 (SF9)	8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121 (SF6, SF7)	8.8110 (SF4), 8.8112 (SF4F), 8.8120 (SF5), 8.8121 (SF6, SF7)																																																																																										
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Thermowell recommended

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Active Length (L_a)

Stem model:	Length:	Thread:	Capillary line including vessel < 5m						Capillary line including vessel > 5m to 15m					
			up to max. 500 °C			500 °C and above			up to max. 500 °C			500 °C and above		
			Stem-Ø dF:			Stem-Ø dF:			Stem-Ø dF:			Stem-Ø dF:		
A2 A7 A7.1	La	all standard threads	12	10	8	12	10	8	12	10	8	12	10	8
			35	45	75	75	105	165	53	80	115	150	200	320

The active length L_a of the stem (vessel) has to immerse completely into the medium, to grant a measuring result, which corresponds to the accuracy class.



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