

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 1.4571 (316Ti)
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

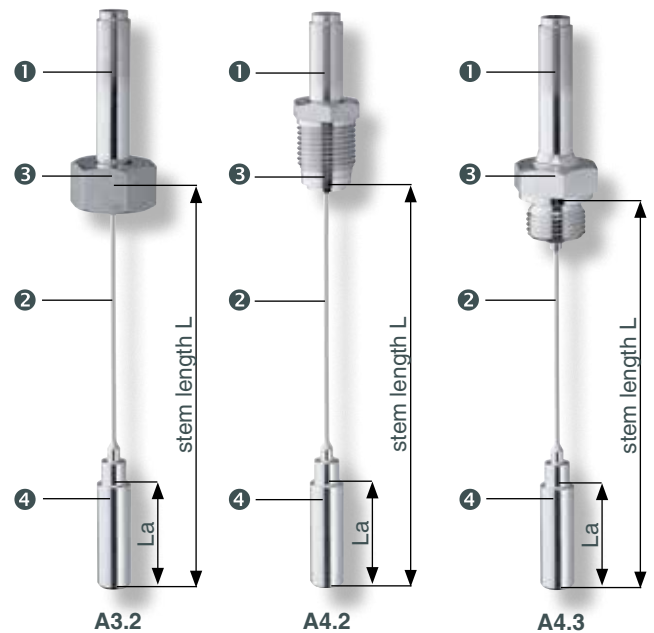
Stainless steel, \varnothing 2 mm

Stem Length (Capillary Line and Vessel)

$L = 200$ mm to 15 m

Material Connection Screw Fitting

Stainless steel 1.4571 (316Ti)



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:	L																																																								
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):	<table border="1"> <thead> <tr> <th>G</th> <th>SW</th> <th>i</th> </tr> </thead> <tbody> <tr> <td>G 1/2</td> <td>27</td> <td>10</td> </tr> <tr> <td>G 3/4</td> <td>32</td> <td>12</td> </tr> <tr> <td>M20x1.5</td> <td>27</td> <td>10</td> </tr> <tr> <td>M24x1.5</td> <td>32</td> <td>12</td> </tr> <tr> <td>M27x2</td> <td>32</td> <td>12</td> </tr> </tbody> </table>	G	SW	i	G 1/2	27	10	G 3/4	32	12	M20x1.5	27	10	M24x1.5	32	12	M27x2	32	12	<table border="1"> <thead> <tr> <th>G</th> <th>SW</th> <th>i</th> </tr> </thead> <tbody> <tr> <td>G 1/2B</td> <td>27</td> <td>20</td> </tr> <tr> <td>G 3/4B</td> <td>32</td> <td>23</td> </tr> <tr> <td>M18x1.5</td> <td>22</td> <td>14</td> </tr> <tr> <td>M20x1.5</td> <td>27</td> <td>20</td> </tr> </tbody> </table> <p>Thermowell required!</p>	G	SW	i	G 1/2B	27	20	G 3/4B	32	23	M18x1.5	22	14	M20x1.5	27	20	<table border="1"> <thead> <tr> <th>G</th> <th>SW</th> <th>i</th> </tr> </thead> <tbody> <tr> <td>G 1/2B</td> <td>27</td> <td>14</td> </tr> <tr> <td>G 3/4B</td> <td>32</td> <td>16</td> </tr> <tr> <td>1/2" NPT</td> <td>27</td> <td>19</td> </tr> <tr> <td>3/4" NPT</td> <td>27</td> <td>19</td> </tr> <tr> <td>M18x1.5</td> <td>24</td> <td>14</td> </tr> <tr> <td>M20x1.5</td> <td>27</td> <td>14</td> </tr> </tbody> </table>	G	SW	i	G 1/2B	27	14	G 3/4B	32	16	1/2" NPT	27	19	3/4" NPT	27	19	M18x1.5	24	14	M20x1.5	27	14
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Minimum Stem Length and Active Length (mm)

Stem model:	Length:	Thread:	Stem length including vessel < 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	115	125	155	155	185	245	53	80	115	150	200	320

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.



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