

THERMASGARD® TH 08

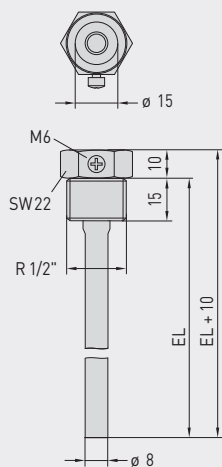
Immersion sleeves made of stainless steel or brass,
for temperature sensors and measuring transducers

TF43, TM43, TF65, TM65, TM65-Modbus (Tyr 1)



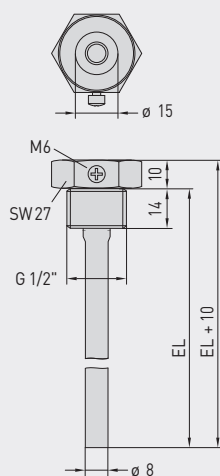
S+S REGELTECHNIK

Dimensional drawing
[mm]

TH08-MS-G xx**TH08-MS-G xx**

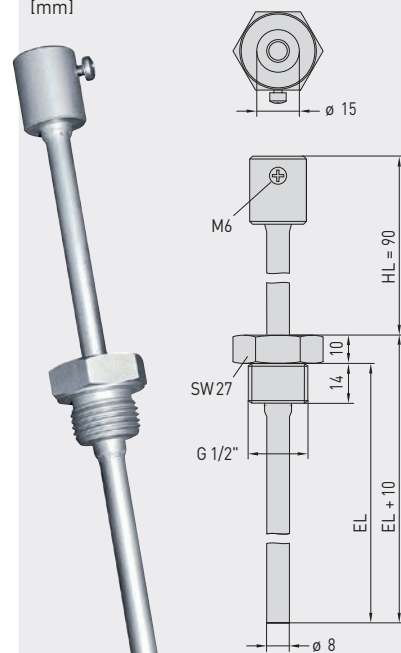
Immersion sleeve,
polished brass
thread-sealing, conical,
according to DIN 10226

Dimensional drawing
[mm]

TH08-VA xx**TH08-VA xx**

Immersion sleeve,
stainless steel V4A (1.4571)
flat sealing, cylindrical,
according to DIN 228

Dimensional drawing
[mm]

TH08-VA xx/90**TH08-VA xx/90**

Immersion sleeve,
stainless steel V4A (1.4571)
with neck tube
flat sealing, cylindrical,
according to DIN 228

THERMASGARD® TH 08 Immersion sleeve Ø 8 mm

Type / WG01	p _{max} (static)	T _{max}	Inserted length (EL)	Item No.	Price
TH08-MS-G xx	polished brass			Ø 8 x 0.75 mm	
TH08-MS-G 50MM	10 bar	+150 °C	50 mm	7100-0017-0010-132	13,82 €
TH08-MS-G 100MM	10 bar	+150 °C	100 mm	7100-0017-0020-132	14,46 €
TH08-MS-G 150MM	10 bar	+150 °C	150 mm	7100-0017-0030-132	15,64 €
TH08-MS-G 200MM	10 bar	+150 °C	200 mm	7100-0017-0040-132	16,73 €
TH08-MS-G 250MM	10 bar	+150 °C	250 mm	7100-0017-0050-132	19,37 €
TH08-MS-G 300MM	10 bar	+150 °C	300 mm	7100-0017-0060-132	20,25 €
TH08-MS-G 350MM	10 bar	+150 °C	350 mm	7100-0017-0070-132	20,79 €
TH08-MS-G 400MM	10 bar	+150 °C	400 mm	7100-0017-0080-132	21,32 €
TH08-VA xx	Stainless steel V4A (1.4571)			Ø 8 x 0.75 mm	
TH08-VA 50MM	40 bar	+600 °C	50 mm	7100-0012-0010-132	23,82 €
TH08-VA 100MM	40 bar	+600 °C	100 mm	7100-0012-0020-132	26,24 €
TH08-VA 150MM	40 bar	+600 °C	150 mm	7100-0012-0030-132	28,39 €
TH08-VA 200MM	40 bar	+600 °C	200 mm	7100-0012-0040-132	29,78 €
TH08-VA 250MM	40 bar	+600 °C	250 mm	7100-0012-0050-132	37,06 €
TH08-VA 300MM	40 bar	+600 °C	300 mm	7100-0012-0060-132	38,78 €
TH08-VA 350MM	40 bar	+600 °C	350 mm	7100-0012-0070-132	39,53 €
TH08-VA 400MM	40 bar	+600 °C	400 mm	7100-0012-0080-132	40,60 €
TH08-VA xx/90	Stainless steel V4A (1.4571), with neck tube (90mm)			Ø 8 x 0.75 mm	
TH08-VA 50/90MM	40 bar	+600 °C	50 mm	7100-0012-0012-132	32,04 €
TH08-VA 100/90MM	40 bar	+600 °C	100 mm	7100-0012-0022-132	33,49 €
TH08-VA 150/90MM	40 bar	+600 °C	150 mm	7100-0012-0032-132	35,13 €
TH08-VA 200/90MM	40 bar	+600 °C	200 mm	7100-0012-0042-132	36,63 €
TH08-VA 250/90MM	40 bar	+600 °C	250 mm	7100-0012-0052-132	38,38 €
TH08-VA 300/90MM	40 bar	+600 °C	300 mm	7100-0012-0062-132	41,60 €

Note: Inner diameter of socket 15.0 mm



S+S REGELTECHNIK

Accessories

THERMASGARD® TH 08

Immersion sleeves made of stainless steel or brass,
for temperature sensors and measuring transducers
TF 43, TM 43, TF 65, TM 65, TM 65-Modbus (Tyr 1)

INSTRUCTIONS FOR PLANNING AND INSTALLATION

The approaching flow causes the protective tube to vibrate.

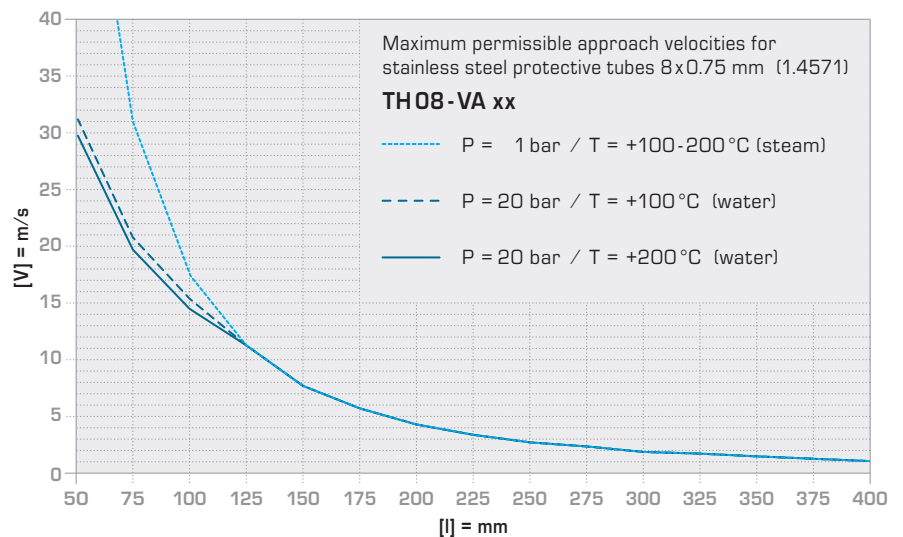
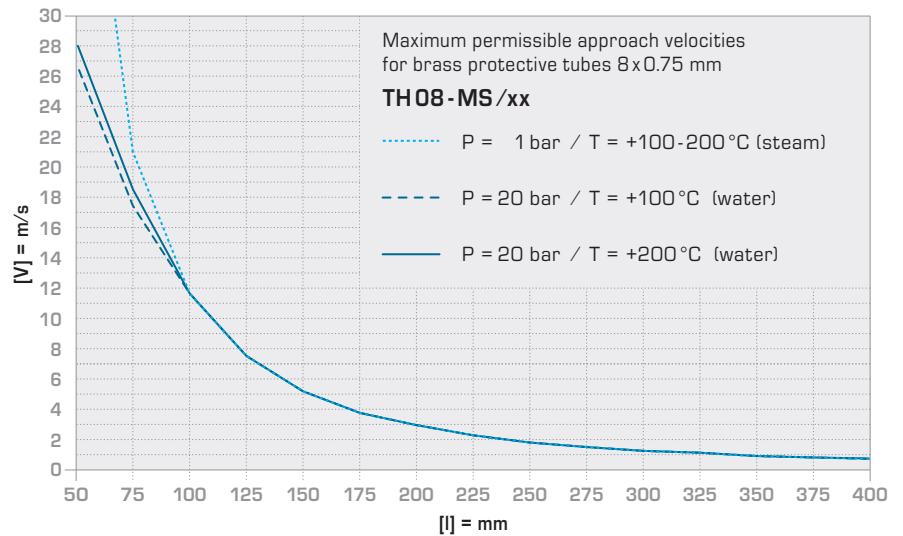
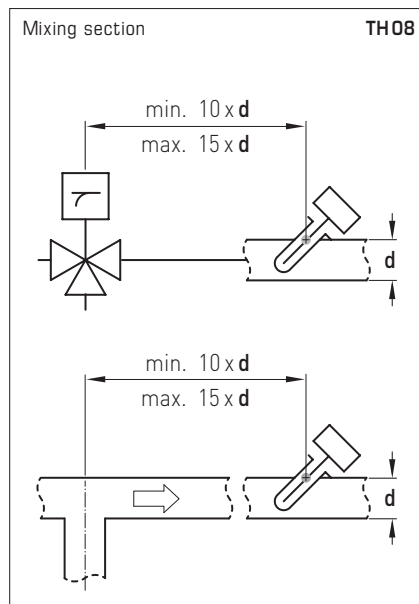
If the specified approach velocity is exceeded even by a marginal amount, a negative impact on the protective tube's service life may result (material fatigue).

Please observe permissible approach velocities for stainless steel protective tubes (see graph **TH08-VA**) as well as for brass protective tubes (see graph **TH08-MS**).

Discharge of gases and pressure surges must be avoided as they have a negative influence on the service life and may damage the protective tubes irreparably.

MIXING SECTION

After the mixing of water flows of different temperatures, the issue of temperature stratification means that an adequate distance to the sensor must be observed.

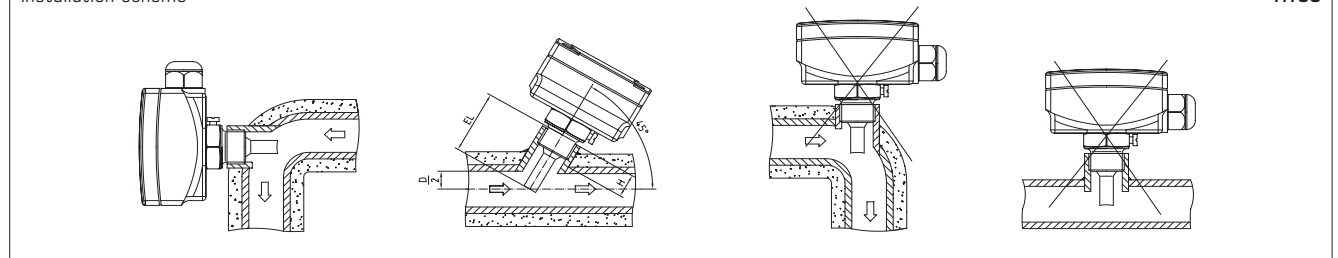


BRASS OR STAINLESS STEEL

Uncompromising quality and safety are also paramount in the design of the accessory from S+S. This is why our metal immersion sleeves for duct sensors are made using either brass or stainless steel. Brass is an alloy consisting mainly of copper and zinc, which give it mechanical strength, heat resistance and thermal conductivity, among other characteristics. This is the material of choice for most standard applications.

Highest protection against corrosion is provided by immersion sleeves made of stainless steel. Among the available qualities, we chose VA 1.4571 or AISI 316 Ti, a high-grade austenite specialty combining chromium, nickel and molybdenum with an extra titanium content. The alloy has a proven fit particularly in the design of chemical process equipment and technical instruments as well as in waste gas and water treatment. Its corrosion resistance also includes chlorides or salts and more aggressive acids, such as hydrochloric acid (HCl).

Installation scheme



THERMASGARD® TH 08

Immersion sleeves made of stainless steel or brass,
for temperature sensors and measuring transducers

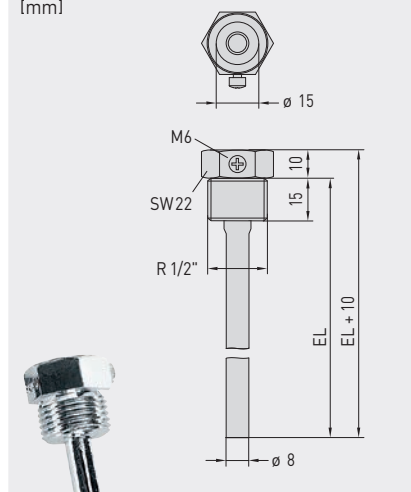
TF 43, TM 43, TF 65, TM 65, TM 65-Modbus (Tyr 1)



S+S REGELTECHNIK

Dimensional drawing
[mm]

TH08-MS xx

**TH 08-MS xx**

Immersion sleeve,
nickel-plated brass /
galvanised

thread-sealing, conical,
according to DIN 10226

THERMASGARD® TH 08 Immersion sleeve Ø 8 mm

Type / WG01	p _{max} (static)	T _{max}	Inserted length (EL)	Item No.	Price
TH08-MS xx	Brass nickel-plated / galvanised			Ø 8 x 0.75 mm	
TH08-MS 50MM	10 bar	+150 °C	50 mm	7100-0011-0010-132	13,82 €
TH08-MS 100MM	10 bar	+150 °C	100 mm	7100-0011-0020-132	14,46 €
TH08-MS 150MM	10 bar	+150 °C	150 mm	7100-0011-0030-132	15,64 €
TH08-MS 200MM	10 bar	+150 °C	200 mm	7100-0011-0040-132	16,73 €
TH08-MS 250MM	10 bar	+150 °C	250 mm	7100-0011-0050-132	19,37 €
TH08-MS 300MM	10 bar	+150 °C	300 mm	7100-0011-0060-132	20,25 €
TH08-MS 350MM	10 bar	+150 °C	350 mm	7100-0011-0070-132	20,79 €
TH08-MS 400MM	10 bar	+150 °C	400 mm	7100-0011-0080-132	21,32 €
Note:		Inner diameter of socket 15.0 mm			