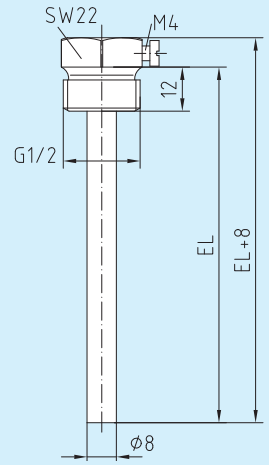
THERMASGARD® TH

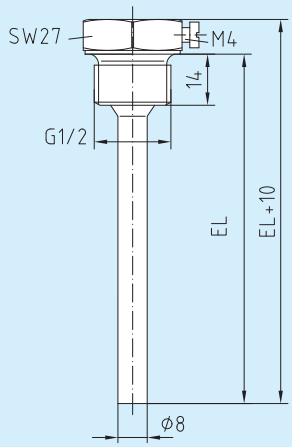
Immersion sleeves made of stainless steel or brass, nickel-plated, for temperature sensors and measuring transducers

S+S REGELTECHNIK

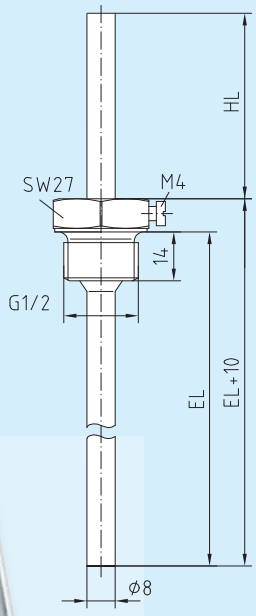
Dimensional drawing **TH-ms/xx**



Dimensional drawing **TH-VA/xx**



Dimensional drawing **TH-VA/xx/90**



TH-ms/xx

Brass immersion sleeve

TH-VA/xx

Stainless steel immersion sleeve

TH-VA/xx/90

Stainless steel immersion sleeve with neck tube

THERMASGARD® **TH** (immersion sleeve, Ø 8 mm, G 1/2" straight external pipe thread) for **THERM**ASGARD® **TF-xx and TM-xx**

Type/WG 1	Material p_{max} (static) / T_{max}	Inserted Length (EL) 50 mm	100 mm	150 mm	200 mm	250 mm	300 mm	400 mm
TH-ms/xx	**Brass** nickel-plated 10 bar/150 °C	●	●	●	●	●	●	●
TH-VA/xx	**Stainless steel** VA 1.4571 40 bar/600 °C	●	●	●	●	●	●	●
TH-VA/xx/90 incl. neck tube (90 mm)	**Stainless steel** VA 1.4571 40 bar/600 °C	●	●	●	●	●	●	●

Ordering examples:

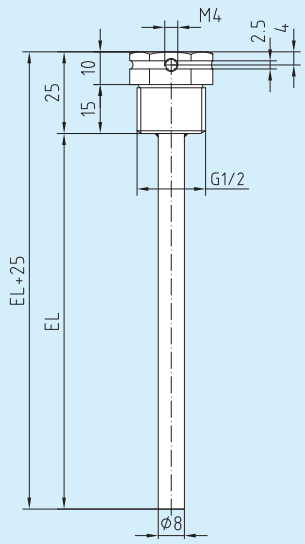
TH-ms/**100** (brass immersion sleeve, without neck tube, **EL = 100** mm, Ø = 8 mm)
TH-VA/**200** (stainless steel immersion sleeve, without neck tube, **EL = 200** mm, Ø = 8 mm)
TH-VA/**300/90** (stainless steel immersion sleeve with neck tube, **EL = 300** mm/**HL = 90** mm, Ø = 8 mm)

THERMASREG® THR

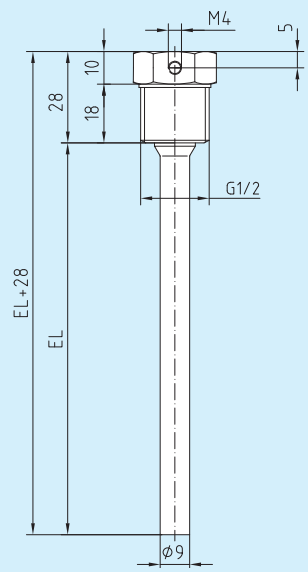
Immersion sleeves made of stainless steel or brass, nickel-plated, for temperature controllers

S+S REGELTECHNIK

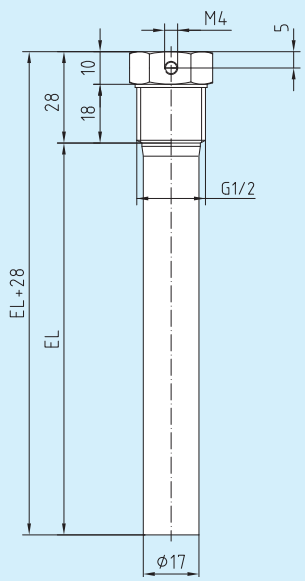
Dimensional drawing **THR - ms - 08 / xx**



Dimensional drawing **THR - VA - 09 / xx**



Dimensional drawing **THR - VA - 17 / xx**



THERMASREG® **THR** (immersion sleeves, G 1/2" straight external pipe thread) for **THERM**ASREG® **ETR**

Type / WG 1	Material	Immersion Sleeve Ø	p_{max} (static)	T_{max}	Time Constant for Medium: Air	Water	Oil	Inserted Length (EL) 130 mm	200 mm
THR-ms-08 / xx	**Brass,** nickel-plated	Ø **8** x 0,5	10 bar	150 °C	106 s	18 s	53 s	●	●
THR-VA-09 / xx	**Stainless steel** VA 1.4571	Ø **9** x 1,0	25 bar	150 °C	92 s	17 s	41 s	●	●
THR-VA-17 / xx	**Stainless steel** VA 1.4571	Ø **17** x 1,0	25 bar	150 °C	–	45 s	55 s	●	●
Ordering example:	THR-ms-08 / **130** THR-VA-17 / **200**	(Brass immersion sleeve, Ø = 8 mm, **EL = 130** mm) (Stainless steel immersion sleeve, Ø = 17 mm, **EL = 200** mm)							

INSTRUCTIONS FOR PLANNING AND INSTALLATION

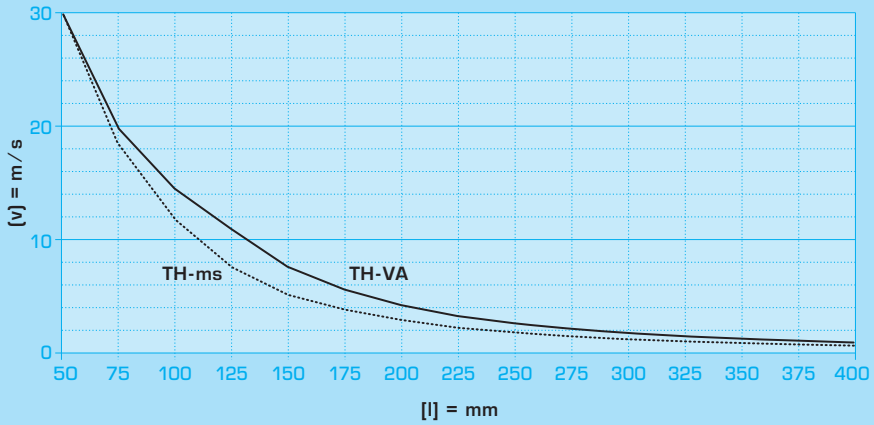
The approaching flow causes protective tube to vibrate.

If 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 TH-VA) as well as for brass protective tubes (see graph TH-ms).

Gas discharges and pressure surges must be avoided as such are of negative influence on service life and / or cause damage to protective tubes.

Permissible approach velocities (flow rates) for protective tubes 8 x 0.75mm
P = 20 bar / T = 200°C (water)



Installation scheme **TH + THR**