



Heating Element : Accessories

Seal glands and bushings

THERMOLOK® seal glands

Such as seal-gland consists of three stainless steel parts (AISI 316L):

a body either with a cone-shaped NPT thread or with a metric thread, a ferrule and a gland nut.

The body is screwed into the wall. The ferrule is slipped over the thermocouple into its chosen position and, with the gland nut, it is secured into position. Both ferrule and cable sheath are slightly but uniformly deformed and thus form a perfect seal.

Tightness :

- up to 700°C, under atmosphere pressure
- up to 500 bars is possible



MG for cables Ø 1 – 1,5
and 2 mm



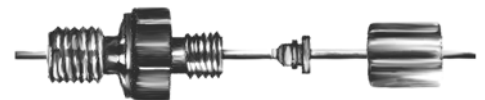
MG for cables Ø 1 – 1,5
and 2 mm

Thermocouple diameter	NPT thread			With metric thread (thin thread)*			Ferrule	
	Code	Ø	Ø hole (mm)	Code	Thread	Ø hole (mm)	AISI 316 L	PTFE
1 mm	MG 10	1/16	6.25	MGM 10	8 x 100	7.00	FE 10	FE 10T
1.5 mm	MG 15	1/16	6.25	MGM 15	8 x 100	7.00	FE 15	FE 15T
2 mm	MG 20	1/16	6.25	MGM 20	8 x 100	7.00	FE 20	FE 20T
3 mm	MG 30	1/4	11.10	MGM 30	12 x 150	10.50	FE 30	FE 30T

SGS seal glands

Tightness :

- at 300°C, maximum pressure 25 bar when using a metallic ferrule
- at 200°C at maximum 2 bar when using a PTFE ferrule



Thermocouple diameter	With ferrule			Ferrule	
	Metallic	PTFE	Length	Metallic	PTFE
1 mm	SGS-M 10	SGS6T 10	23.5	SES 10	SET 10
1.5 mm	SGS-M 15	SGS6T 15	23.5	SES 15	SET 15
2 mm	SGS-M 20	SGS6T 20	23.5	SES 20	SET 20
3 mm	SGS-M 30	SGS6T 30	25	SES 30	SET 30



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Bushings and Springloaded adaptors

Bushings

Made of stainless steel AISI 304 or Inconel® 600 alloy, they can be brazed or welded onto the thermocouple sheath.



Thermocouple diameter	Stainless steel			INCONEL® alloy		
	Code	Length	Ø	Code	Length	Ø
1 mm	SB 10	45 mm	5 mm	SBI 10	35 mm	5 mm
1.5 mm	SB 15	45 mm	5 mm	SBI 15	35 mm	5 mm
2 mm	SB 20	45 mm	5 mm	SBI 20	35 mm	5 mm
2.5 mm	SB 25	45 mm	6 mm	SBI 25	35 mm	6 mm
3 mm	SB 30	45 mm	6 mm	SBI 30	35 mm	6 mm

Springloaded adaptors

This adaptor allows the hot junction to be continuously pressed against a wall.

The end stop is drilled to match the thermocouple diameter and then crimped at a specified point on the sheath.



SL type

Thermocouple diameter	Code	Thread	Code	Thread	SW
1 mm	SL 10	M6 x 0,75	-	-	-
1.5 mm	SL 15	M8 x 100	NSL 15	M8 x 100	SW10
2 mm	SL 20	M8 x 100	NSL 20	M8 x 100	SW10
3 mm	SL 30	M8 x 100	NSL 30	M8 x 100	SW10



NSL type

Your Contact

Sales Dept

THERMOCOAX SAS
40 Bd Henri Sellier
F 92156 SURESNES Cedex
Tel.: +33 1 41 38 80 50
Fax: +33 1 41 38 80 70
info@thermocoax.com

German Sales Office

THERMOCOAX GmbH
Brookstiege 1
D 22145 STAPELFELD
Tel.: +49 40 66857 180
Fax: +49 40 66857 133
info@thermocoax.de

USA Sales Office

THERMOCOAX Inc.
6825 Shiloh Road East, Ste B-7
Alpharetta, GA 30005
Tel.: 800 298 3345
Fax: 678 947 4450
info-usa@thermocoax.com

UK Sales Office

THERMOCOAX UK Ltd.
Second Floor Offices
The Estate Office
Aubourn,
Lincolnshire LN5 9DX
Tel.: +44 (1522) 789 900
Fax: +44 (1522) 789 902
info-uk@thermocoax.com

The Netherlands Sales Office

THERMOCOAX BV
Luchthavenweg 81
European Business Centre
Unit 2.23
5657 EA EINDHOVEN
Tel.: +31 (40) 295 95 58
Fax: +31 (40) 255 54 78
info-nl@thermocoax.com

Head office

Planquignon
F61434 ATHIS DE L'ORNE