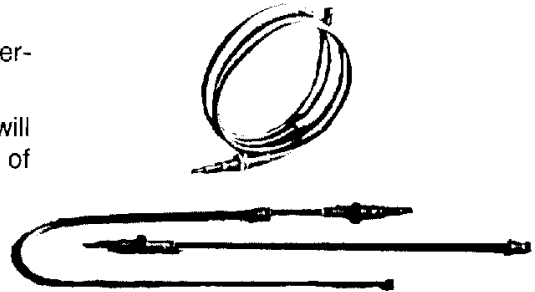


# THERMOCOUPLE

Connected to safety gas valves and gas cocks, the thermocouples act as temperature sensors.

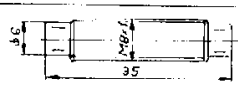
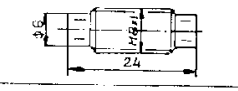
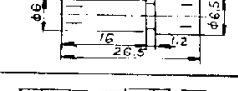
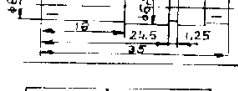
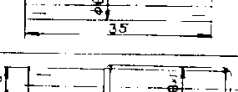
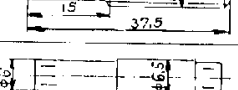
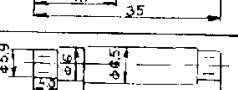
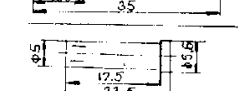
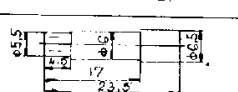

Under the thermal effect of gas flame, thermo-voltage will be generated which, in turn, energizes the solenoid of safety valve.



## Specification

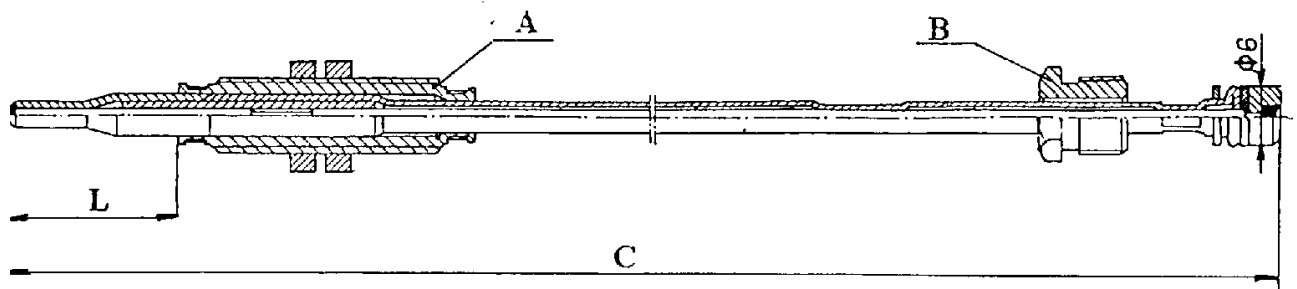
Type number

5 3 5 0 - 0 - A B C - 0

	Combustion area side connection		L	Gas-cock side connection		Length (mm)	
	Type of connection	Size (mm)					
0		18.5	0	Union nut	M 10x1	0	200
1		14	1			1	250
2		16	2			2	320
3		18.5	3	Con. screw	M 8x1	3	400
4		18.5	4	Con. screw	M 9x1	4	450
5		18.5	5	Con. screw	M 10x1	5	600
6		18.5	6	Con. screw	W 1 1/32" x 1/16" double thread	6	750
7		18.5	7			7	880
8		16.5	8			8	1000
9		16	9			9	1200

Permissible temperature	
• for the thermocouple	700 °C
• for the extension tube	300 °C
Thermo-voltage	4.8 to 5.4 mV/100 °C
Humidity of air	30 to 80% rel.
Storage temperature range	+5 to +55 °C
Weather resistance class	moderate, indoor

The thermocouple consists of ferrochromium and constantan. The extension is made of a copper tube which accommodates an insulated copper wire that represents the other pole. The contact is made of silver-plated brass. A threaded sleeve and two nuts are used for positioning and fastening. The thermocouple can be connected to the appropriate gas valves by means of screw or union nut.



**Outline drawing**



