



Appliance Controls

## Thermomagnetic Safety Valves



Invensys' "TS" Series Safety Valve is a control used to cut off the flow of gas to the burner in the event of pilot outage. The magnet assembly is energized by voltage generated by a thermocouple, that is heated by the pilot flame. When this flame is extinguished, the thermocouple voltage decreases until a spring overcomes the magnetic force and closes off both the pilot and main gas.

This control can be used for commercial and residential ovens, infra-red heaters, chicken and pig brooders, recreational vehicle gas appliances, and many more applications requiring automatic safety.

The safety Valve is recognized by AGA, CGA, and British Gas.

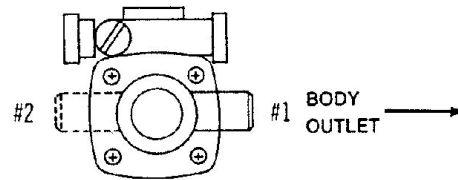
### Specifications

- The TS is also available as a pilot line safety Model TS13.

531-442-500 TS13 1/8" x 1/8"  
no pilot adjustment

531-440-400 TS13 1/8" x 1/8"  
with pilot adjustment

531-442-400 TS13J 1/4" x 1/4"  
no pilot key. Fixed.



Thermocouple connections available on TS-11J & K in positions shown above.

### Body Sizes

Body Sizes		Capacities BTU/HR @ 1" W.C.P.D	
Inlet	Outlet	Natural Gas	L.P. Gas
1/4"P	1/4"P	102,000	165,000
7/16"C.C.	7/16"C.C.	106,000	171,000
3/8"P	7/16"C.C.	128,660	208,400
3/8"P	3/8"Pipe	138,000	223,000
1/2"P	1/2"Pipe	210,000	340,000

### Pilot Connections

Model	Inlet	Outlet
J	1/8"P	1/8"P
J	1/4"C.C. 1/4"C.C.	
J	3/16"C.C.	3/16"C.C.
K		1/8"P
K		1/4"C.C.
K		3/16"C.C.