



## HIGH INDUCTION LONG THROW DIFFUSERS FOR DEEP JET

KVCT  
SERIES

WITH AUTOMATIC REGULATION  
WITH THERMOSTATIC SPRING

### OVERVIEW

The KVCT diffuser series come equipped with a thermostatic return spring to regulate the angle of the jet.

### THROW REGULATION

To obtain the best heating comfort levels it is necessary to direct the flow of air downwards to eliminate the stratification of the air. Whereas in cooling conditions is best to aim the flow of air towards the ceiling to eliminate the forming of air currents in the occupied zone.

The KVCT diffusers automatically regulate the angle of the jet to obtain the optimal throw angle.

The temperature of the injected air is in fact determines the extension or retraction of the thermostatic spring which itself determines the rotation of the jet downwards or upwards.

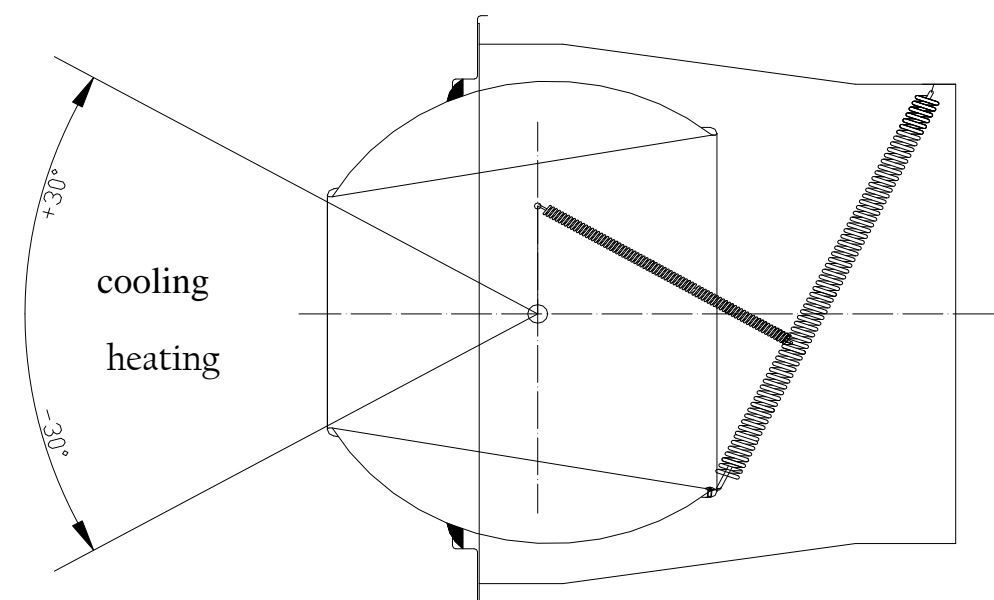
By choosing the KVCT diffuser it is possible to eliminate:

- electric thermostats;
- electrical wiring system;
- servomotors.

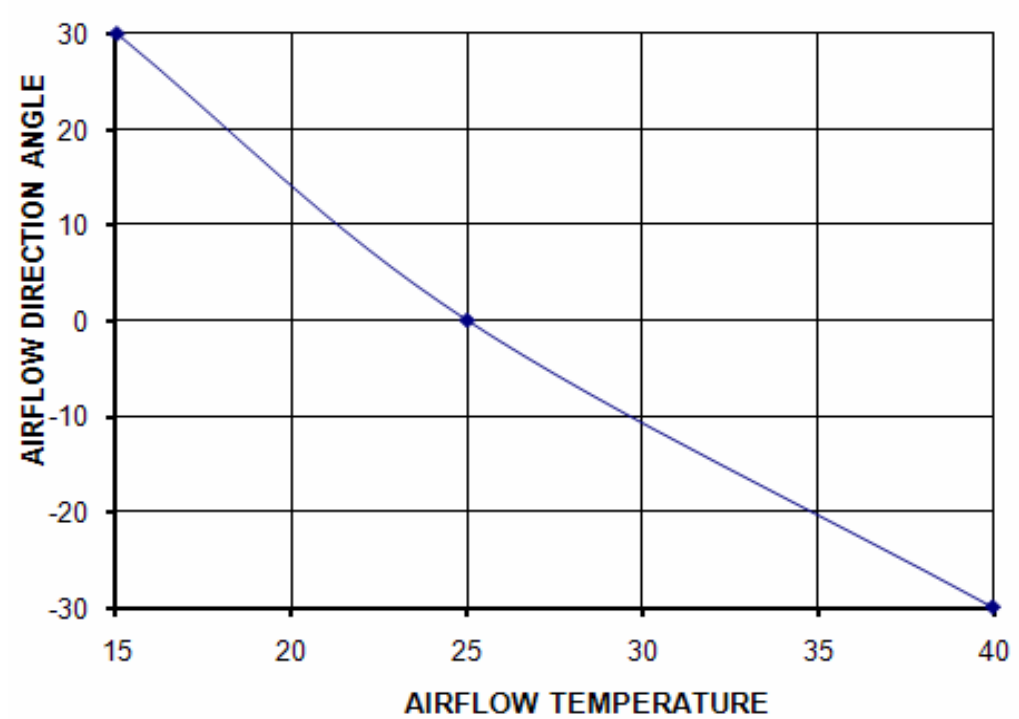
The maximum range is  $\pm 30^\circ$ . This can be limited to smaller angles, with a  $5^\circ$  pitch even with a different regulation for heating and cooling, by inserting and regulating stop screws on a predisposed metal plate. The memory of the form of the spring guarantees the precise relation between the injected air and the inclination angle for an also unlimited number of cycles.

### AEREAULIC TEST

The aeraulic performance of the KVCT diffusers are, in relation to the diameter, is the exact same as for those of the equivalent KV series diffuser.



**AVERAGE DIRECTIONAL AIRFLOW ANGLE IN  
RELATION TO THE TEMPERATURE OF THE AIRFLOW**



CODES	
KVCT150	Jet diameter 150mm with flange and counter flange thermostatic spring
KVCT200	Jet diameter 200mm with flange and counter flange thermostatic spring
KVCT230S	Jet diameter 230mm without internal cone with flange and counter flange thermostatic spring
KV-C150	Screw cover for jet diameter 150mm
KV-C200	Screw cover for jet diameter 200mm
KV-C230	Screw cover for jet diameter 230mm

