

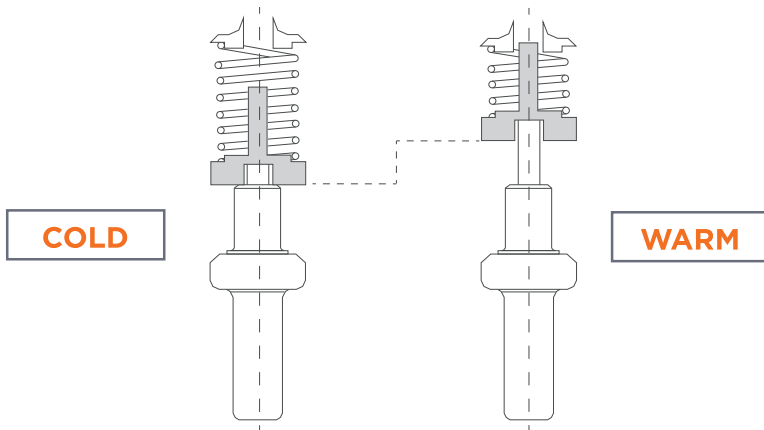
INNOVATION IS IN THE AIR



COST, PERFORMANCE, HIGH NUMBER OF CYCLES... OUR THERMOSTATIC ELEMENTS FOR VENTILATION BRING MANY BENEFITS.

They are designed to convert temperature change into mechanical movement via expansion of copper powder-paraffin wax mixture. These elements can produce high forces and long strokes over small ranges of temperature. Wax curves temperature ranges can be developed specifically for your application. Our components are also used across the world in showers, valves, cars and anything requiring « actuation » during temperature change.

HOW DOES IT WORK?



N°1
WORLD
LEADER



VERNET was the first company to create a wax thermostatic element. Since then, Vernet has confirmed its expertise and has become the world leader in the manufacturing of thermostatic elements.

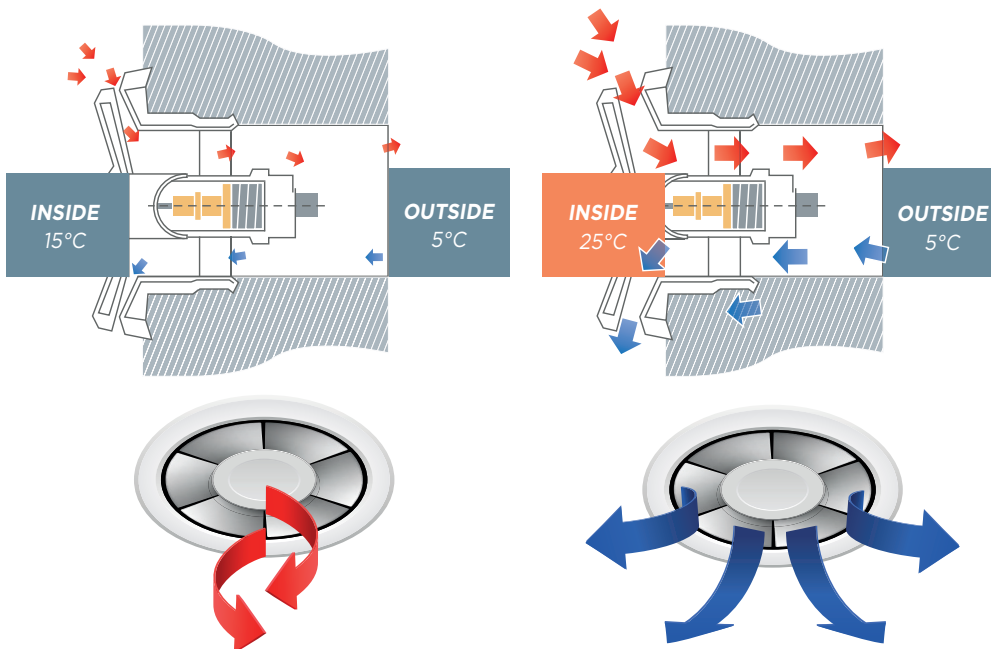
Its products allow thermal regulation to be almost infinitely repeated. Its offering, including a broad range of standard products, is the widest in the market. Its flexibility and responsiveness ensure short development times and custom-made solutions.

FOR ONCE, IT'S GOOD TO SAY NO

- NO** power source required (electrical or pneumatic)
- NO** power consumption (reacts in ambient conditions)
- NO** wall thermostats
- NO** electrical actuators
- NO** maintenance, only fit & forget
- NO** more cost vs. Electrical powered actuators
- NO** noise, but silent operation

**« ACTUATION »
DURING
TEMPERATURE
CHANGE**

Highly accurate - +/- 0.2mm positional
Highly durable - 60,000 -> 150,000 cycles
Long stroke - 2mm -> 20mm+
High forces - 350N (for 22mm element as used in air movement)



Our elements power many air movement products

- ~ MVHR
- ~ VAV Systems
- ~ Natural Ventilation
- ~ Passive Ventilation
- ~ Air Curtains/ Fan Coils
- ~ Summer Bypass
- ~ Ceiling Diffusers
- ~ Damper Actuation
- ~ Variable Air Patterns
- ~ Wall Inlets