



KR-3

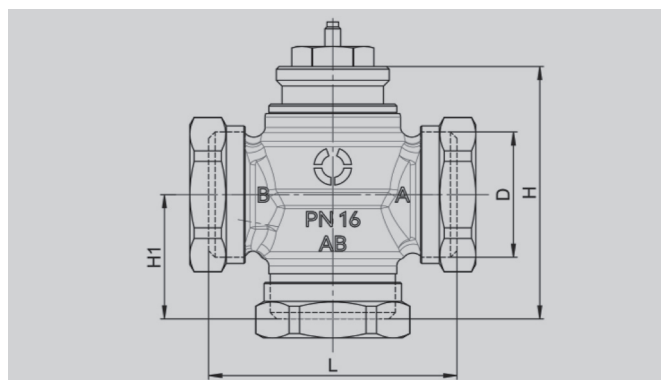
3-way valve with thermostatic temperature controller

The KR-3 is a 3-way control valve for regulating the air discharge temperature of air curtains. The needed air discharge temperature is set manually on the thermostat head. A capillary remote sensor is used to measure the air discharge temperature directly in the fan chamber. Temperature measurement is carried out via a purely mechanical, liquid-filled system:

Temperature measurement: The copper cartridge (sensor) contains a special filling medium. As the temperature rises, this medium expands.

Signal transmission: The resulting pressure is transmitted to the thermostat head via the thin, flexible capillary tube.

Valve control: In the thermostat head, the fluid pressure acts on a corrugated tube or a diaphragm. This actuates a mechanical pin, which opens or closes the three-way mixing valve in accordance with the measured temperature.



Technical data	DN20
Valve	
Kvs value	4,3 m³/h
Max. differential pressure	2000 mbar
Thermostat head	
Control range	20 – 50 °C
Connection	M30 x 1,5
Capillary tube	2 m
Temperature assignment of the scale	Level 1: 20 °C
	Level 2: 25 °C
	Level 3: 30 °C
	Level 4: 35 °C
	Level 5: 40 °C
	Level 6: 45 °C
	Level 7: 50 °C