



VALVES & REGULATORS

Danfoss AVTA Series

BRAND
Danfoss

SKU
RC_PROD_003

CATEGORY
Valves & Regulators



OVERVIEW

Danfoss AVTA valves are self-acting thermostatic water valves used for infinite, proportional regulation of flow quantity based on the valve setting and sensor temperature. Being self-acting, they operate entirely without auxiliary energy — no electricity or compressed air required — making them exceptionally reliable in industrial cooling duties. AVTA cooling water valves open on rising sensor temperature and can be installed in either the cooling water flow line or return line. The pressure-relieved design means the degree of opening is unaffected by differential pressure across the valve, and the force-compensated construction makes the valve actively resistant to dirt.

KEY FEATURES

Fully self-acting operation
needs no power supply, wiring, or air supply

Opening on rising sensor temperature
proportional regulation

Pressure-relieved opening degree
independent of differential pressure (0–10 bar)

Dirt and pressure tolerance
insensitive to dirt and to water pressure fluctuations

SPECIFICATIONS

PARAMETER	VALUE
FUNCTION	Proportional, self-acting temperature regulation of water flow
REGULATION RANGES	Typical ranges incl. 0–30 °C, 10–80 °C, 25–65 °C (charge dependent)
MAX. WORKING PRESSURE	16 bar