

TEMPERATURE CONTROL

REGULATE SPEED. STABILISE COSTS.

- COOLING TOWER
- HEATING UNITS
- HEATING
- SOLAR PANELS
- CHILLER UNITS
- GEO THERMAL

In industrial applications, ensuring the right process temperature is essential to production efficiency, reliability and the quality of the end products. But too often, systems are unnecessarily complex and operate at full speed no matter the load. With our intelligent solutions, you will get full control of temperatures with fewer components and a complete overview of your system's performance.

E-SOLUTIONS

CONSTANT OPERATION TEMPERATURE

Maintain constant temperatures in the process, for instance in moulding tool applications, to ensure even material flow and short curing time.

CONSTANT FEED TEMPERATURE

Ensure constant feed temperatures to, for instance, heat exchangers, boiler shunts and assisting chemical/biological processes.

CONSTANT RETURN TEMPERATURE

Ensure that boilers and heat exchangers do not operate below desired operating temperature.

CONSTANT DIFFERENTIAL TEMPERATURE

Regulate the differential temperature across a heat exchanger, hydronic heating system or cooling tower to maintain an even temperature transfer or provide stable conditions for secondary regulating devices

GRUNDFOS iSOLUTIONS

COMMUNICATION

Monitor a long range of process parameters and connect directly to the overall process control through digital and analogue signals.

LIMIT EXCEED

Enable your system to change operating patterns or notify you directly if a specific process parameter exceeds a pre-set limit.

CONTROL OF EXTERNAL EQUIPMENT

Control external equipment according to the pumps' operating points, i.e. three-way valve.

MULTIPLE TEMPERATURE MEASUREMENT

Use one measuring point for three purposes: Primary control parameter, differential temperature measurement and limit-exceed response.

VALVE CONTROL

Control the opening and closing of motor valves with the timer functions in the pump.