



Reliable, safe, and optimum valve tightness
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Bio-mass boilers provide CO₂ neutral, environmentally friendly heating



BVTS provides excellent protection for any bio-mass burner solution

With the rising energy prices and the high environmental concern, bio-mass is the fuel of the future.

The BVTS thermostatic valve offers reliable, safe and maintenance free operation, making bio-mass boilers the optimum choice for environmentally friendly heating of e.g. residential housing, industry and commercial buildings.

Water temperature control

The BVTS thermostatic valve is used to prevent the water in the bio-mass boiler from overheating. If the water temperature rises, the valve will

open and let cold water through the heat exchanger system; thus quickly and efficiently lowering the temperature.

Back-burning protection

The BVTS thermostatic valve is also used for back-burning protection by monitoring the temperature in the fuel feed system. Should the temperature rise above 95 °C, the valve will dispense a sufficient amount of water to extinguish fire in the fuel feed system. After activation and fire extinguishing the valve will remain tight, thus minimising the need for subsequent cleaning and maintenance.

Self-acting principle requiring no external power

The BVTS thermostatic valve will operate safely regardless of the ambient temperature, and the self-acting technology means that the valve does not require electricity or other forms of energy in order to work.





AVTA thermostatic valve



MBT temperature sensor



TVM-H Mixing valve



BS04 Gear motor

Global supplier – local presence

With more than 75 years of experience is the world's leading supplier in the field of valve technology, ensuring safe, reliable, and cost effective solutions to any need.

Our competence and quality standards are integral parts of our products and solutions. The components used in bio-mass heating systems includes besides the BVTs valve:

- **Thermostatic valve:** Provides back-burning protection for larger boilers controlled by an AVTA thermostatic valve
- **Temperature sensor:** An MBT temperature sensor continually measures the boiler water temperature

- **Mixing valve:** Controls return water temperature to the boiler in order to avoid corrosion in the boiler
- **Gear motor:** Propels the fuel feed system, ensuring stable fuel feeding and problem free automatic cleaning

All components have been used and thoroughly tested in a wide range of systems, thus ensuring both durability and reliability.

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