

**NEW**

### Controller with zPID function for a charging boiler



**ST-81 ZPID**

**Controller Functionality:**

- fine blow adjustment
- providing control for the central heating and hot water pump

**Controller Equipmen:**

- LCD Display
- Central Heating and Hot Water Temperature Sensor
- Flue Gas Outlet Temperature Sensor
- Thermal Protection
- enclosure made of high-quality materials, resistant to high and low temperatures
- panel enclosure to be built into the boiler

*Set-point temperature is maintained, preventing oscillation and eliminating the need for readjustments. Thermal energy from flue gases is used for heating rather than lost by being discharged through the funnel.*

#### DEAR CUSTOMER

Our focus are microprocessor temperature controllers. We specialise in designing and manufacturing controllers for coal, fines, pellet, wood and biomass (oat, corn, dried pits, etc.) fired CH boilers.

Apart from CH boiler controllers, we also provide controllers for refrigerators, refrigerated counters, sewage-treatment plants, mushroom growing cellars, three-way and four-way valves, score displays for sports facilities.

We have been designing devices for several years now. The success story behind our company is knowledge, experience, devotion and perseverance of our employees.

**Based on the type of output signal that controls the blow, TECH controllers for CH boilers can be divided into three groups:**

- discrete output signal controllers (two position – on/off)
- discrete output signal controllers (two position – on/off) with Sigma control
- ZPID continuous output signal controllers (with PID control algorithm)



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MANUFACTURER OF MICROPROCESSOR  
CONTROLLERS FOR CENTRAL HEATING  
BOILERS

**T**ECHNOLOGY  
**E**FFICIENCY  
**CH**ARACTER

## ST-19 ANTI-STOP



### Controller Functionality:

- circulation pump operation control

### Controller Equipment:

- potentiometer for adjusting set-point temperature
- Central Heating Temperature Sensor
- anti-stop function

## ST-20



### Controller Functionality:

- circulation pump operation control

### Controller Equipment:

- potentiometer for adjusting set-point temperature
- Central Heating Temperature Sensor

## ST-21 ANTI-STOP



### Controller Functionality:

- circulation pump operation control

### Controller Equipment:

- LED display
- Central Heating Temperature Sensor
- anti-stop function
- device can be used as a thermostat

## ST-22



### Controller Functionality:

- providing control for the blow and the central heating pump

### Controller Equipment:

- LED Display
- Central Heating Temperature Sensor
- Thermal Protection
- Additional stand for easy assembly on the boiler
- Enclosure made of high-quality materials, resistant to high and low temperatures

## ST-26



### Controller Functionality:

- providing control for the blow and the central heating pump
- connectivity to a room regulator

### Controller Equipment:

- LCD Display
- Central Heating Temperature Sensor
- Thermal Protection
- enclosure made of high-quality materials, resistant to high and low temperatures
- additional stand for easy assembly on the boiler

## ST-24



### Controller Functionality:

- providing control for the blow and the central heating pump

### Controller Equipment:

- LED Display
- Central Heating Temperature Sensor
- Thermal Protection
- enclosure made of high-quality materials, resistant to high and low temperatures

## ST-28



### Controller Functionality:

- providing control for the blow along with the central heating and hot water pump
- connectivity to a room regulator

### Controller Equipment:

- LCD Display
- Central Heating Temperature Sensor
- Hot Water Temperature Sensor
- Thermal Protection
- enclosure made of high-quality materials, resistant to high and low temperatures

## ST-37



### Controller Functionality:

- providing control for the blow and for the screw or piston feeder
- providing control for the central heating and hot water pump
- connectivity to a room regulator
- week-based regulation (optional)

### Controller Equipment:

- LCD Display
- Central Heating and Hot Water Temperature Sensor
- Screw Temperature Sensor (protection)
- with thermal protection
- enclosure made of high-quality materials, resistant to high and low temperatures
- panel enclosure to be built into the boiler
- mountability in OM-01 enclosure

## ST-40



### Controller Functionality:

- providing control for the blow and for the screw or piston feeder
- providing control for the central heating, hot water, floor and mixing pump
- connectivity to a room regulator
- week-based regulation

### Controller Equipment:

- large graphic display for easy controller operation
- Central Heating Temperature Sensor and Hot Water Temperature Sensor
- Floor Temperature Sensor
- Screw Temperature Sensor (protection)
- with thermal protection
- enclosure made of high-quality materials, resistant to high and low temperatures
- single-module, panel enclosure to be built into the boiler

## ST-40 ZPID



### Controller Functionality:

- smooth blow control and automatic feeder operation and pause time adjustment
- providing control for the central heating, hot water, floor and mixing pump
- connectivity to a room regulator
- week-based regulation

### Controller Equipment:

- large graphic display for easy controller operation
- Central Heating and Hot Water Temperature Sensor
- Floor Temperature Sensor
- Screw Temperature Sensor (protection)
- Flue Gas Outlet Temperature Sensor
- with thermal protection
- enclosure made of high-quality materials, resistant to high and low temperatures
- panel enclosure to be built into the boiler