

Fact sheet

Termix VMTD MIX Compact 28

Direct substation for apartment buildings with up to 25 apartments



Application

The Termix VMTD MIX Compact 28 is a complete solution with a built-in water heater and a heating circuit with mixing loop. The substation is the perfect solution for apartment buildings with up to 25 apartments.

District heating (DH)

The district heating circuit is prefabricated with a flow controller with integrated control valve and primary ball valves. Furthermore the substation is delivered with a mixing loop, which includes pump and non-return valve.

Heating (HE)

The heating circuit is designed for direct connection. The flow controller with integrated control valve sets the optimum operation conditions for radiator thermostats in order to enable individual temperature control in each room. The mixing loop creates a suitable temperature level for the heating system.

Domestic hot water (DHW)

The domestic hot water is prepared in the plate heat exchanger and the temperature is regulated with an electronic controller. The efficient heat exchanger offers exceptionally good heat extraction with high output. No readjustment of the DHW temperature is required after installation and initial setting of the controls. The electronic control automatically retains the comfort temperature of the hot water, even when the heating system is in reduced operation during summer or if the district heating plant changes operating parameters between summer and winter. An integrated circulation pump for DHW is installed.

Options

Termix VMTD MIX Compact 28 can be delivered with white-lacquered steel cover.

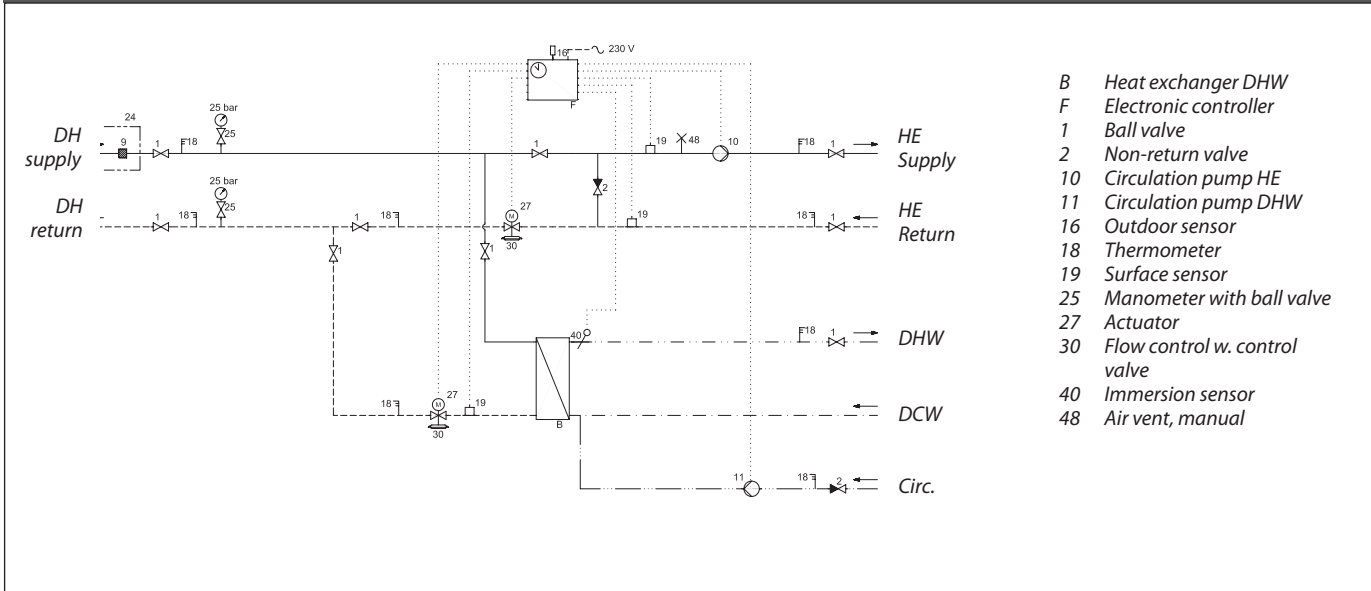
Construction

All pipes are made of stainless steel. The connections are made by nuts and gaskets.

FEATURES AND BENEFITS

- Substation for apartment buildings
- Direct heating with mixing loop
- Thermostatic or electronic controls
- Capacity: 100-150 kW DHW, 100 kW HE
- DHW in sufficient quantity
- Operates independently of differential pressure and flow temperature
- Minimum space required for installation
- Pipes and plate heat exchanger made of stainless steel
- Minimized risk of lime scale and bacteria formation

CIRCUIT DIAGRAM - EXAMPLE



Technical parameters:

Nominal pressure: PN 10/16
 DH supply temperature: $T_{max} = 120\text{ }^{\circ}\text{C}$
 DCW static pressure: $p_{min} = 0,5\text{ bar}$
 Brazing material (HEX): Copper
Weight: 40-50 kg

Dimensions (mm):

without cover: H 940 x W 750 x D 440
 With cover: H 940 x W 800 x D 522

Electrical supply:

230V AC

Connections:

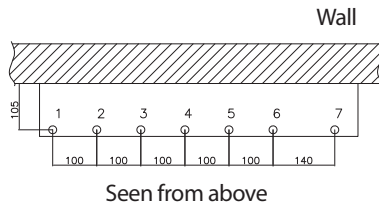
1. District heating (DH) supply
2. District heating (DH) return
3. Heating (HE) Supply
4. Heating (HE) return
5. Domestic hot water (DHW)
6. Domestic cold water (DCW)
7. DHW circulation (Cirk.)

Connections sizes:

DH + HE + DCW + DHW: G 1" (int. thread)
 Circulation: G 3/4" (int. thread)

Options:

- Cover



DHW: CAPACITY EXAMPLES

DHW capacity [kW]	Supply flow primary [°C]	Return flow primary [°C]	Temperature secondary [°C]	Flow rate secondary [l/h]
100	70	22	50	2150
110	70	22	50	2365
120	70	22	50	2580
130	70	22	50	2795
140	70	22	50	3010
150	70	22	50	3225

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