ENGINEERING
TOMORROW

Fact sheet

Termix VX

Indirect substation for single and multi-family houses with up to 7 apartments

Application

The Termix VX is a complete solution for space heating with optimal safety, efficient energy transfer, service-friendly construction and a compact design. The substation is used if a heat exchanger is required or on a conversion to district heating where the existing equipment is unsuitable for direct connection. The Termix VX substation is ideal, when a high level of security against burst pipes and water damage in the heating system is required.

District heating (DH)

The substation is prefabricated with a differential pressure controller, fitting piece and sensor pockets for insertion of a heat meter as well as strainers and ball valves.

Heating (HE)

The heating side consists of a stainless steel plate heat exchanger, safety valve, manometer, thermometers, ball valves, drain valve, air valve, expansion vessel and circulation pump. The temperature of the heating can be controlled thermostatically or by an electronic temperature controller with an outdoor temperature sensor. Depending on the application, different heat exchangers dimensioned for central or floor heating can be used. As an option the substation can be equipped with a thermostat with safety monitor. This is possible only for substations with electronic temperature controller.

Domestic hot water (DHW)

The substation is supplied with connection pipes for a hot water tank on the primary side of the heat exchanger.

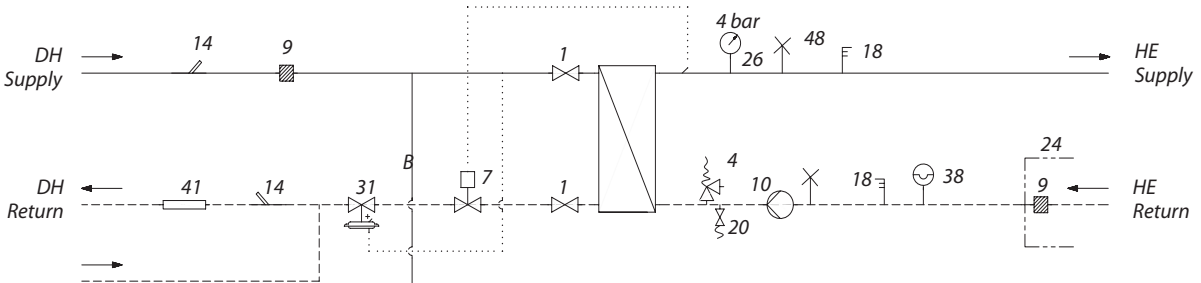
Construction

All pipes are made of stainless steel. The connections are made by nuts and gaskets. The Termix VX is completed by a white steel cover in attractive modern design.

FEATURES AND BENEFITS

- Substation for single and multi-family houses
- Indirect heating, connections for domestic hot water tank
- Thermostatic or electronic regulation of heating (HE) temperature
- Capacity: 18 – 54 kW heating
- Minimum space required for installation
- Pipes and plate heat exchanger made of stainless steel

CIRCUIT DIAGRAM - EXAMPLE



A	Plate heat exchanger HE	20	Filling / drain valve
1	Ball valve	24	Delivered loose with unit
4	Safety valve	26	Pressure gauge
7	Thermostatic valve	31	Differential pressure controller
9	Strainer	38	Expansion vessel
10	Circulation pump	41	Fitting piece, heat meter
14	Sensor pocket, heat meter	48	Air escape, manual
18	Thermometer		

Technical parameters:

Nominal pressure: PN 10*
DH supply temperature: T_{max} = 120 °C
Brazing material (HEX): Copper
*PN 16 versions are available on enquiry

Weight incl. cover: 30 kg (incl. packing)

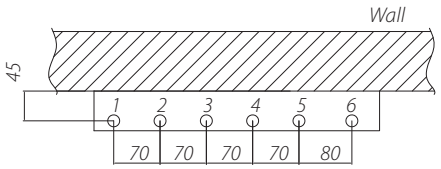
Cover: White-lacquered steel sheet

Dimensions (mm):

Without cover:
H 750 × W 500 × D 360
With connections:
H 800 × W 540 × D 430

Connections:

1. District heating (DH) supply
2. District heating (DH) return
3. Heating (HE) supply
4. Heating (HE) return
5. Cylinder supply
6. Cylinder return



Seen from above

Connection sizes:

DH + HE: G ¾ (int. thread)

Options:

- Separate mixing circuit
- White-lacquered steel cover
- Possibility for electronic controller
- Room thermostat
- Zone valve with actuator
- Air screw (DH supply)
- Connection for hot water tank

CAPACITY, WEIGHT AND DIMENSIONS

Substation type	Heating capacity [kW]	Heating circuit primary [°C]	Heating circuit secondary [°C]	Pressure loss primary [kPa]	Flow rate secondary [l/h]
VX – 1	18	70	35/60	25	650
	20	80	40/70	25	603
	24	90	40/70	25	724
VX – 2	30	70	35/60	35	1084
	34	80	40/70	35	1025
	40	90	40/70	35	1206
VX – 3	45	70	35/60	45	1629
	50	80	40/70	45	1509
	54	90	40/70	45	1629

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