Termix VX Compact 28

Indirect substation for apartment buildings with up to 25 apartments

District heating substation for indirect heating with electronic controls.
Designed for wall-mounting.

Application

The Termix VX Compact 28 is a complete solution for space heating with optimal safety, efficient energy transfer, service-friendly construction and a compact design. The substation is applicable, 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 Compact 28 substation is ideal, where a high level of security against burst pipes and water damage in the heating system is required.

District heating (DH)

The district heating circuit is prefabricated with a flow controller with integrated control valve, thermometers and ball valves.

Heating (HE)

The heating circuit consists of a plate heat exchanger, safety valve, manometer, thermometers, ball valves, drain valve, air valve and circulation pump. The heating temperature can be controlled thermostatically or by an electronic controller with an outdoor temperature sensor. Depending on the application, different heat exchangers dimensioned for central or floor heating can be used.

Domestic hot water (DHW)

Termix VX Compact 28 is supplied with connection pipes for a DHW tank on the supply line.

Options

As an option the substation can be equipped with a thermostat with safety monitor. This is possible only for substations with electronic controller. Furthermore the substation can be supplied with differential pressure controller and separate motorized valves.

Construction

All pipes are made of stainless steel. The connections are made by nuts and gaskets. The Termix VX Compact 28 can be delivered with a white-lacquered steel cover.

FEATURES AND BENEFITS

- Substation for apartment buildings
- Indirect heating, connections for domestic hot water tank
- Thermostatic or electronic regulation of heating (HE) temperature
- Capacity: 70-150 kW heating
- Minimum space required for installation
- Pipes and plate heat exchanger made of stainless steel

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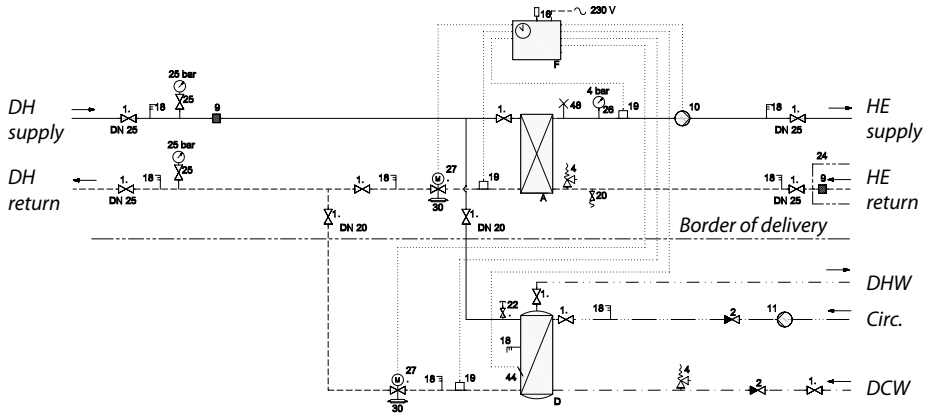
Circuit diagram - example



A Plate heat exchanger HE
D DHW tank
F Electronic controller
1 Ball valve
2 Non-return valve
4 Safety valve
9 Strainer
10 Circulation pump
11 DHW pump
16 Outdoor sensor
18 Thermometer
19 Surface sensor
20 Filling/drain valve
22 Test connection
24 Delivered loose with unit
25 Manometer with ball valve
26 Manometer
27 Actuator
30 Flow control w. control valve
44 Immersion sensor
48 Air escape, manual

Technical parameters:

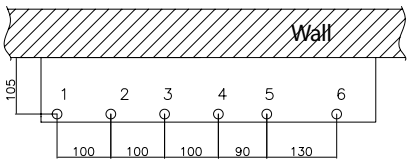
Nominal pressure:	PN 16
DH supply temperature:	T_{max} = 120 °C
Brazing material (HEX):	Copper

Weight: approx. 50 kg

Dimensions (mm):
H 940 x W 620 x D 420

Electrical supply: 230 V AC

Connections:
1 District heating (DH) supply
2 District heating (DH) return
3 Heating (HE) supply
4 Heating (HE) return
5 Tank (DHW) supply
6 Tank (DCW) return



Seen from above

Connections sizes:

DH + HE:	DN 25
DCW + DHW:	DN 20

Options:
- White-lacquered steel cover
- Thermostat with safety monitor
- Thermostatic or electronic controls for DHW tank (delivered loose with unit)
- Differential pressure controller and separate motorized valves
- Fitting piece and sensor pockets for insertion of a heat meter

Heating: Capacity examples

Heating Capacity kW	Heating circuit Primary °C	Heating circuit Secondary °C	Pressure loss Primary kPa	Flow rate Secondary l/h
70	90/45	40/70	50	2007
90	90/45	40/70	50	2580
110	90/45	40/70	50	3153
120	90/45	40/70	50	3440
140	90/45	40/70	50	4013
150	90/45	40/70	50	4300

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