

Fact sheet

Termix VX – FI

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

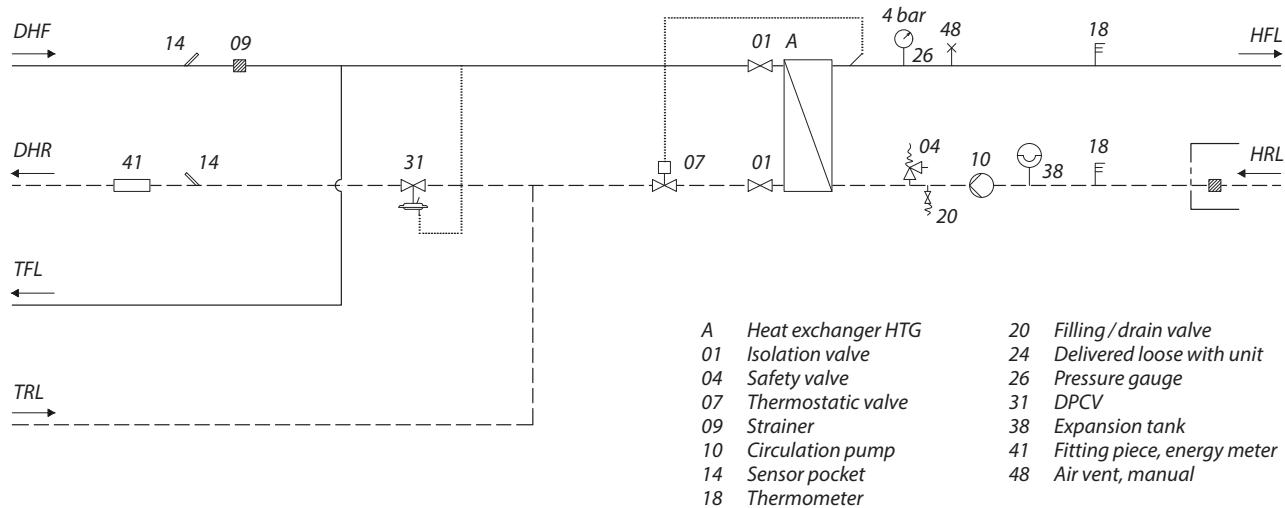
All pipes are made of stainless steel. The connections are made by nuts and gaskets. The Termix VX can be completed by a white steel cover in attractive modern design.

Insulation

The Termix VX comes complete with a fully insulated cover thus minimising the heat loss of the unit.

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: 14 – 50 kW heating
- Minimum space required for installation
- Pipes and plate heat exchanger made of stainless steel
- Low heat loss

CIRCUIT DIAGRAM - EXAMPLE**Technical parameters:**

Nominal pressure: PN 10*
 DH supply temperature: $T_{max} = 120^\circ\text{C}$
 Brazing material (HEX): Copper
 *PN 16 versions are available on enquiry
Weight incl. cover: 30 kg (incl. packing)

Cover: Anthracite grey EPP

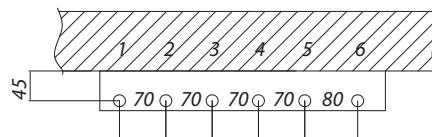
Dimensions (mm):

With insulation:
 H800 × W530 × D375

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

wall



Seen from above

Connection sizes:

DH+HE: G 3/4 (int. thread)

Options:

- Separate mixing circuit
- Possibility for electronic controller
- Room thermostat
- Zone valve with actuator
- Air screw (DH supply)
- Cover

HEATING: CAPACITY EXAMPLES

Substation type Termix VX	Heating capacity [kW]	Supply temperature primary [°C]	Heating circuit [°C]	Pressure loss primary [kPa]	Pressure loss secondary [kPa]	Flow rate primary [l/h]	Flow rate secondary [l/h]
VX-FI1	14	70	60/35	35	15	415	485
	16	80	70/40	40	15	415	462
	21	90	70/40	35	15	404	607
VX-FI2	25	70	60/35	45	15	736	866
	29	80	70/40	45	15	748	838
	38	90	70/40	45	20	728	1098
VX-FI3	40	70	60/35	45	20	1161	1386
	45	80	70/40	45	20	1154	1301
	50	90	70/40	45	20	953	1445

Gemina Termix A/S • Member of the Danfoss Group

danfoss.com • +45 9714 1444 • mail@termix.dk

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