



Small Stations

Termix BV T

Description

Instantaneous water heater for large apartment houses, sports arenas and schools.

Features & benefits

- Instantaneous water heater
- DHW regulation with thermostatic or automatic controls
- Capacity: 77-222 kW DHW
- DHW in sufficient quantity
- Operates independent 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

Applications

The Termix BV substation is an instantaneous water heater featuring superb heat extraction and high performance. The substation is delivered with thermostatic or automatic controls. The Termix BV is suitable for large apartment houses, sports arenas and schools, where large amounts of hot water are needed. The hot water systems are available in 7 different sizes with an output from 77-222 kW. The Termix BV unit is supplied with PU insulated heat exchangers.

Functions

Operation

Domestic hot water (DHW)

The domestic hot water is prepared in a plate heat exchanger and the temperature is regulated with thermostatic or automatic controls. The thermostatic solution is regulated with self-acting thermostatic control valves. The substations with high output are controlled with two valves connected in cascade in order to control both small and large demands for hot water in an efficient manner. The Termix BV can also be mounted with automatic controls. There is no additional pressure loss on the secondary side of the heat exchanger with a thermostatic or automatic control valve. Therefore this type of regulation can be used by low pressure in the cold water mains.

Domestic hot water circulation

The Termix BV substation is supplied with connections for DHW circulation including circulation pump and a non-return valve as a standard.

Product details

Design

Construction

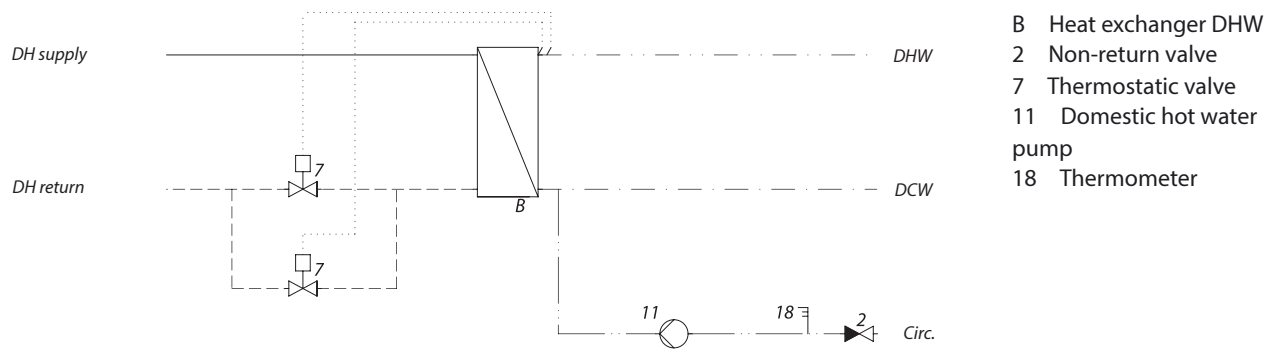
All pipes are made of stainless steel. The connections are made by nuts and gaskets. The Termix BV substation can be delivered with a white-lacquered steel cover in modern design.

Options:

- White-lacquered steel cover
- Safety valve and non-return valve (10 bar)
- Thermostatic circulation set

Circuit diagram - Example

Diagram for Termix BV type 4-8



Materials

Brazing material (HEX): Copper

Cover: White-lacquered steel sheet

Capacity

DHW: Capacity examples					
Substation type Termix BV	DHW capacity [kW]	Supply flow primary [°C]	Return flow primary [°C]	Pressure loss primary [kPa]	DHW tap load [l/min]
BV-2T-CP	77	70	20	45	27,6
BV-3T-CP	93	70	20	45	33,3
BV-4T-CP	122	70	20	45	43,7
BV-5T-CP	157	70	20	45	56,3
BV-6T-CP	150	70	19	45	53,8
BV-7T-CP	160	70	18	45	57,4
BV-8T-CP	222	70	19	45	79,6

Pressure and temperature data

Nominal pressure: PN16

DH supply temperature: $T_{\max} = 120\text{ °C}$

DCW static pressure: $P_{\min} = 0,5\text{ bar}$

Dimensions

Dimensions (mm):

Without cover:

H 660 × W 510 × D 240 (type 2-5)

H 1000 × W 800 × D 340 (type 6-8)

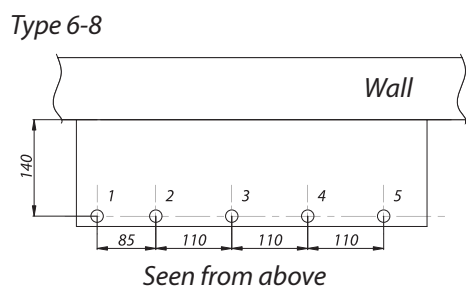
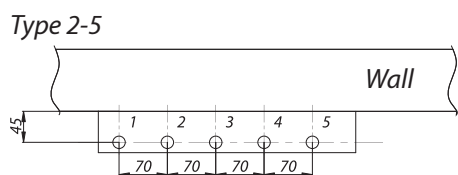
With cover:

H 800 × W 540 × D 360 (type 2-5)

H 1000 × W 950 × D 525 (type 6-8)

Weight incl. cover: 20-40 kg (incl. packing)

Connections



Connections:

1. District heating (DH) supply
2. District heating (DH) return
3. Circulation
4. Domestic hot water (DHW)
5. Domestic cold water (DCW)

Connections sizes:

DH + DCW + DHW: G 1" (int. thread)
Circulation: G ¾" (int. thread)

Certificates, declarations and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

When you click on the link you will be directed to the latest version of the 'Declaration of Conformity'. Products developed and sold before this date of issue conform to the directives/standards in force at the time of their sale.

Approval type	Title	Certification body	Approval topic
Export Control Declaration	Small stations GEMINA	Danfoss	
Manufacturer's Declaration	Manufacturer's Declaration of Compliance with regulation (EU) 2023/2854 (Data Act) - ECL Comfort 210, ECL Comfort 310, ECL Tool	Danfoss	
Manufacturer's Declaration	Manufacturer's Declaration of Compliance with regulation (EU) 2023/2854 (Data Act) - ECL Comfort 120, ECL Go App	Danfoss	
Manufacturer's Declaration	Manufacturer's Declaration of Compliance with regulation (EU) 2023/2854 (Data Act) - Icon2 MC Basic and Advanced	Danfoss	
Manufacturer's Declaration	Manufacturer's Declaration of Compliance with regulation (EU) 2023/2854 (Data Act) - SonoSafe 10, SonoSelect 10	Danfoss	

Contact details

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