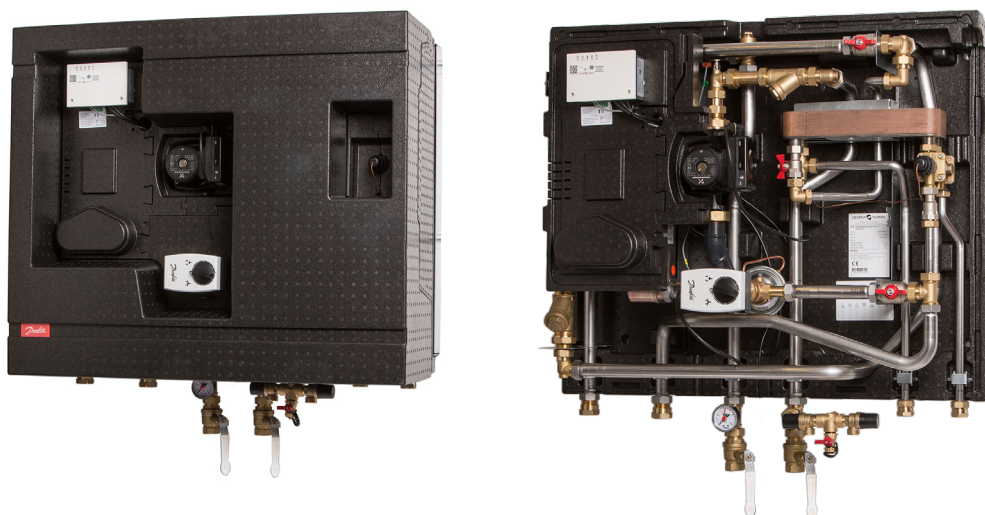


Fact sheet

# Termix Compact 28 MST VVX-FI

The ultimate solution for indirect space heating and domestic hot water



## Space heating and domestic hot water (DHW)

The Termix Compact 28 MST VVX-FI is a complete unit for indirect space heating and domestic hot water for district heating. It can be used for connection to indirect district heating in places where the district heating plant requires a hydraulic break. It is also suitable for conversion to district heating when the secondary heating system is unsuitable to being connected to direct district heating or when a particularly effective security against leakage in the heating system is required.

## Efficient heat exchanger

The substation is fitted with an efficient plate heat exchanger, which ensures the most favourable heat extraction and achieves optimum comfort and operating economy.

## Domestic hot water (DHW)

The domestic hot water is prepared in the heat exchanger and the temperature is regulated with a flow-compensated temperature controller with integrated differential pressure controller. The DH water is cooled very efficiently by the heat exchanger, thereby creating an excellent operating economy. The Danfoss IHPT

valve ensures a stable domestic hot water temperature by varying loads, varying supply temperatures and by high and varying differential pressure without the need for readjusting the valve. This protects the heat exchanger against overheating and lime scale formation. Furthermore the IHPT valve has an integrated idle temperature controller, which keeps the house supply line warm. This shortens the waiting periods during summer when the heating system is in reduced operation, which is ideal where high comfort is requested.

## Electronic regulation

The Termix Compact 28 MST VVX-FI is built with a plate heat exchanger for instantaneous domestic hot water production and heat exchanger for space heating. The electronic controller is factory preset. Electrical components are prewired, and the unit is equipped with a plug for 230 V a.c.

## Minimal heat loss

Complete insulation of the unit ensures minimal heat loss.

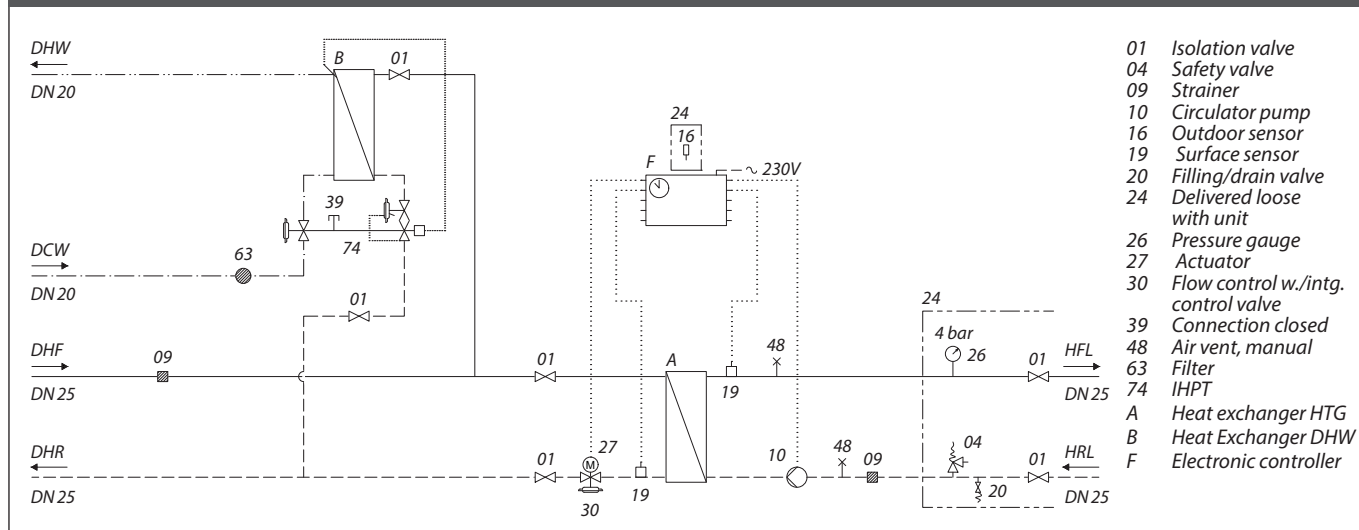
## Reliable and easy to install

Termix Compact 28 MST VVX-FI is operationally reliable. A quality product manufactured in Denmark which is easy to install and quickly commissioned.

### FEATURES AND BENEFITS

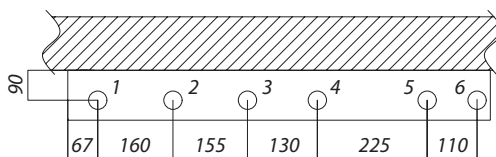
- Fully insulated
- Indirect heating
- Electronic control for heating
- Thermostatic control for domestic hot water
- Operates independently of differential pressure and flow temperature
- Pipes and plate heat exchanger made of stainless steel

## CIRCUIT DIAGRAM - EXAMPLE



## Technical parameters:

Exchanger: Stainless steel AISI 316  
 Test pressure exchanger: 25 bar  
 Working pressure: 16 bar  
 Valve type: Danfoss  
 Operating temperature: Max. 110°C  
 Soldering material: Copper  
 Weight: 55 kg



## Connections:

1. Primary flow line 1" RG int.
2. Primary return line 1" RG int.
3. Heating flow line 1" RG int.
4. Heating return line 1" RG int.
5. Domestic hot water 1" RG int.
6. Domestic cold water 1" RG int.

## Dimensions:

H 915 × B 905 × D 400 mm

## HEATING: CAPACITY EXAMPLES

Substation type: Termix Compact 28 MST VVX-FI	Δp [kPa]	Heating Capacity [kW]	Heating Circuit primary [°C]	Heating Circuit secondary [°C]	Flow rate secondary [l/h]
VVX x-1	50	58	60	25 / 55	1679
	50	64	70	35 / 60	2228
	50	93	90	40 / 70	2706
VVX x-2	50	82	60	25 / 55	2373
	50	90	70	35 / 60	3133
	50	124	90	40 / 70	3607
VVX x-3	50	100	60	25 / 55	2894
	50	108	70	35 / 60	3760
	50	133	90	40 / 70	3869
VVX x-4	50	112	60	25 / 55	3242
	50	113	70	35 / 60	3934
	50	135	90	40 / 70	3927

## DHW: CAPACITY EXAMPLES

Substation type: Termix Compact 28 MST VVX-FI	Δp [kPa]	DHW Capacity [kW]	Supply flow primary [°C]	Return flow primary [°C]	DHW temperature [°C]
VVX 1-x	50	43,5	55	19,9	10 / 45
	50	40	60	20,6	10 / 50
VVX 2-x	50	55,5	55	18,7	10 / 45
	50	60	60	20,2	10 / 50
VVX 3-x	50	63,5	55	17,5	10 / 45
	50	70	60	18,9	10 / 50

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