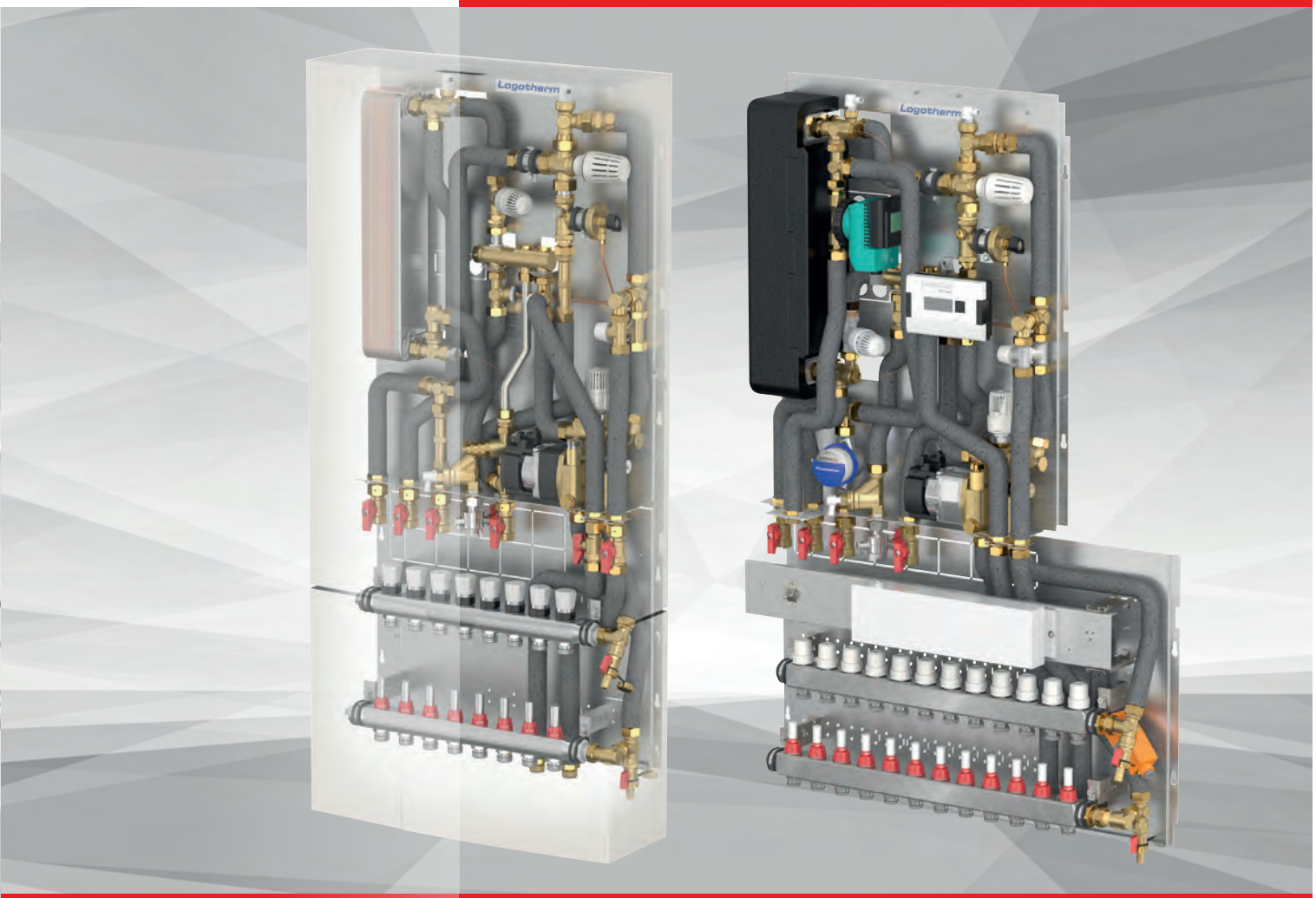
Flamco meibes

Flow of Innovation

Logotherm®

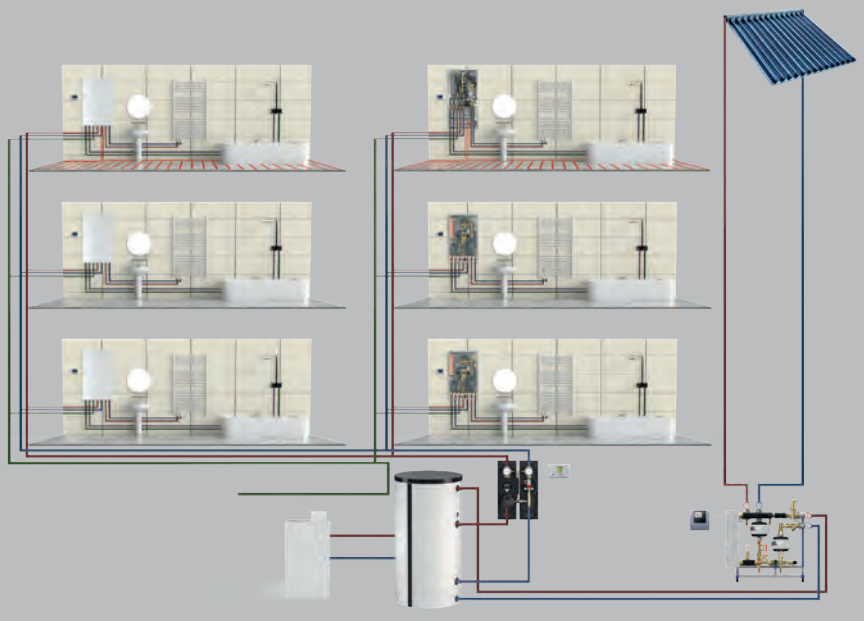
LogoThermic



SLIM

Simple and highly efficient domestic hot water heating - LogoThermic

- Efficient thermostatic control
- Easy to use and adjustable
- Flat design for possible installation in light walls (installation depth from 110mm)
- For unmixed and / or mixed heating circuits
- Robust because there are no moving parts on the drinking water side



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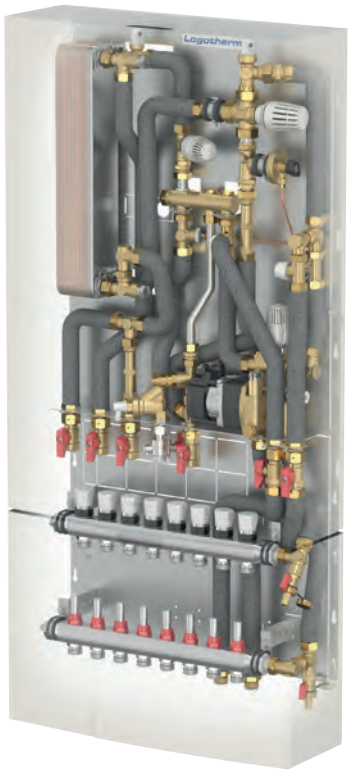
Logotherm® Heat interface units

The **Logotherm®**- interface station is a compact, pre-assembled unit that covers all the functions of an independent heating system and domestic hot water generation. The domestic hot water is provided on demand removing the need for domestic hot water storage tanks.

From an ecological and an economic point of view, the system has several advantages. The system supports the use of centralized heat generation, allowing the individual properties to benefit from different technologies if required e.g. condensing technology or renewable energies such as solar.

The **Logotherm®**-system is flexible and can be adapted to the existing network conditions. There is a perfectly designed solution for every situation. The Logotherm® system can be used for system refurbishments or in new buildings, as a visible surface mount solution or as almost invisible flush mounted systems.



Ideal for

- New buildings
- Complete renovation of existing heating systems
- Underfloor systems

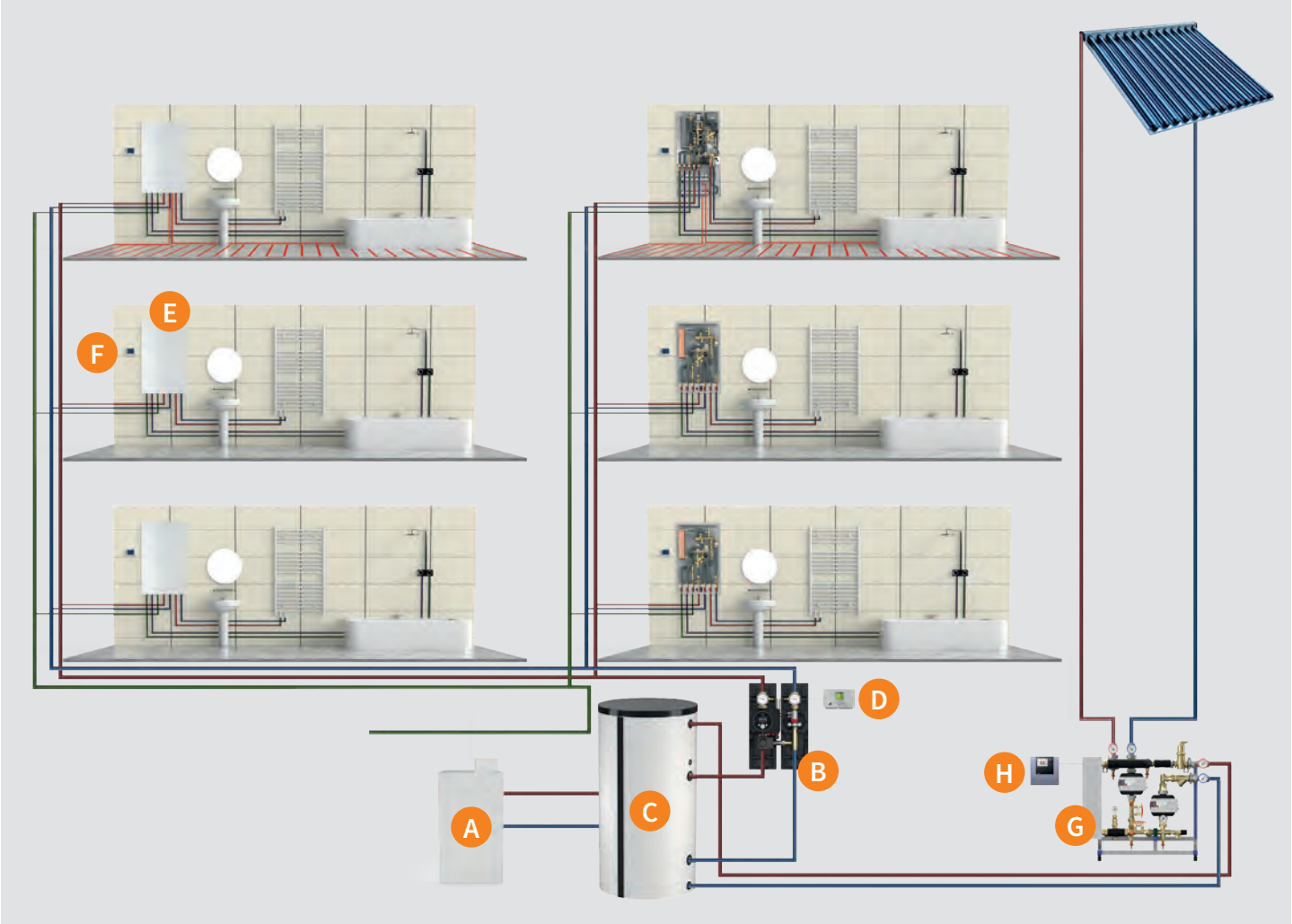
In combination with

- Local heating networks, CHP supplies
  (also in combination with regenerative energies)
- Condensing systems
- Solar installations
- heat pump solutions

Advantages

- **High capacity, safe Domestic Hot Water (DHW) generation**
- **Available as surface-mounted and/or "invisible" flush-mounted variants**
- **Can be combined with metering solutions (heat and/or water meter) for an effective billing per apartment**
- **The applicability for radiator heating and / or mixed heating circuits (underfloor heating)**
- **Project-related and/or customer-specific equipment options**
- **Customized comfort control**
- **Simple or customer-specific control of the heat demand**

The supply concept



A Heat generator (Thermal Source)
B Flamco pump group (e.g. Typ MeiFlow LFC)
C Flamco buffer tank (e.g. type PS500, PS 600)
D Flamco differential pressure controlled heating circuit control (e.g. MeiTronic)
E Flamco Logotherm® heat interface unit
F Flamco room temperature controlling (e.g. LogoControl)
G Flamco solar separation system (e.g. MeiFlow Sol XL or XXL)
H Flamco solar controller (e.g. MeiTronic Sol)

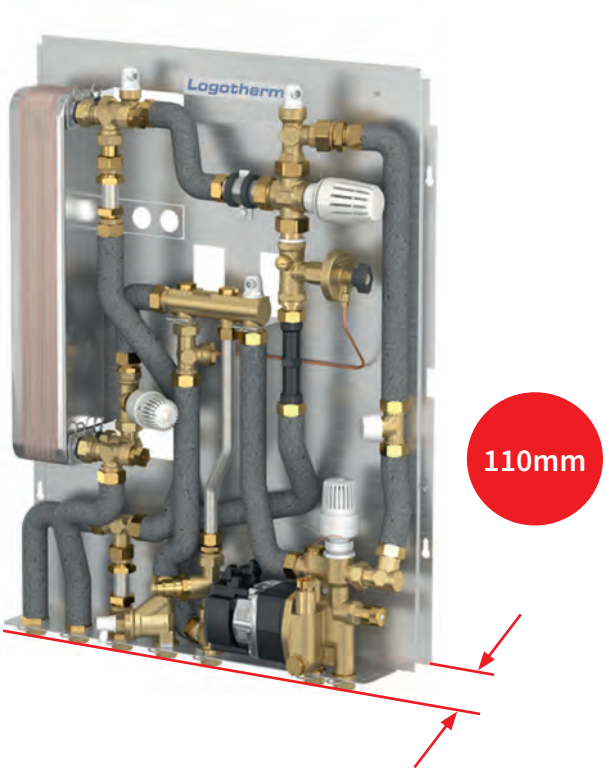
The type of regulation

LogoThermic UC and MC

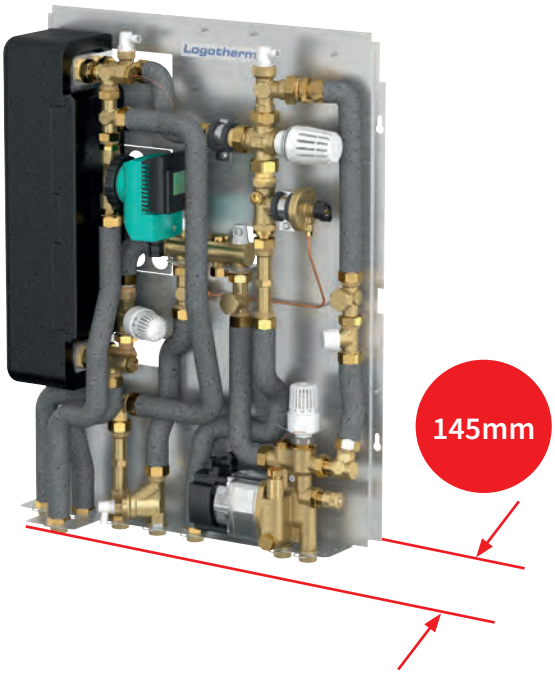
Thermostatically controlled heat interface units

Thermostatic technology operates using thermostatic control valves and ensures the constant provision of Domestic hot water (DHW) based on temperature-dependent regulation of the primary flow (Network) and a DHW priority switch.
The LogoThermic UC (600) and MC (600+) without FBH distributor are designed to have a low installation depth.

LogoThermic without
Domestic hot water circulation



LogoThermic with
Domestic hot water circulation



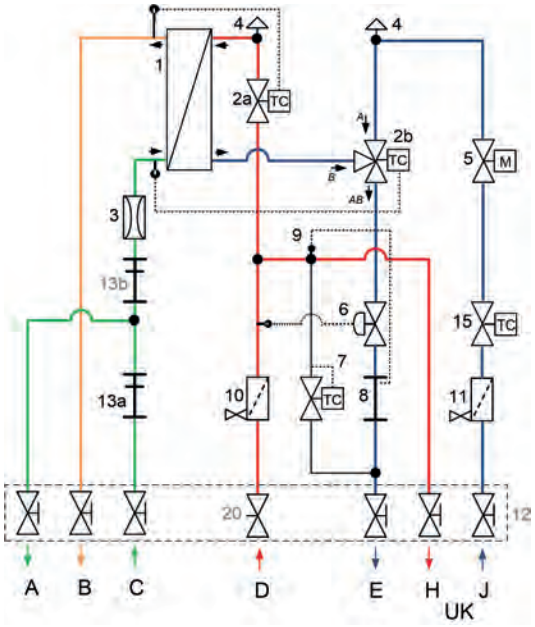
Advantages of thermostatic controlling:

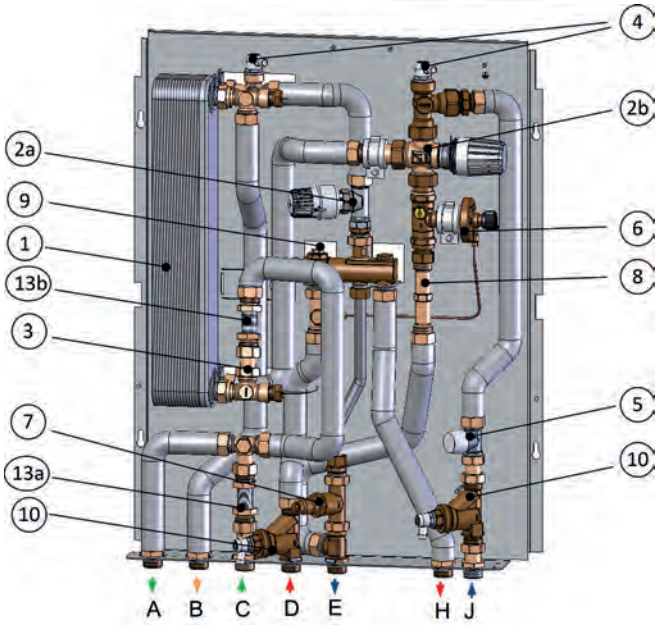
- Provides DHW without additional auxiliary energy (electric current)
- Robust, with no sensitive moving components integrated in the domestic hot water flow
- Operates with low cold water (mains) pressure
- Stable DHW temperature (adjustable) independent of changes in the cold water (mains) or the primary network temperature (e.g. summer / winter operation)
- Optimizes network efficiency based on low return temperatures during the DHW preparation

LogoThermic is available in various models for DHW performance profile as well as for unmixed heating circuits (radiators) and / or mixed heating circuits (underfloor heating).

LogoThermic UC

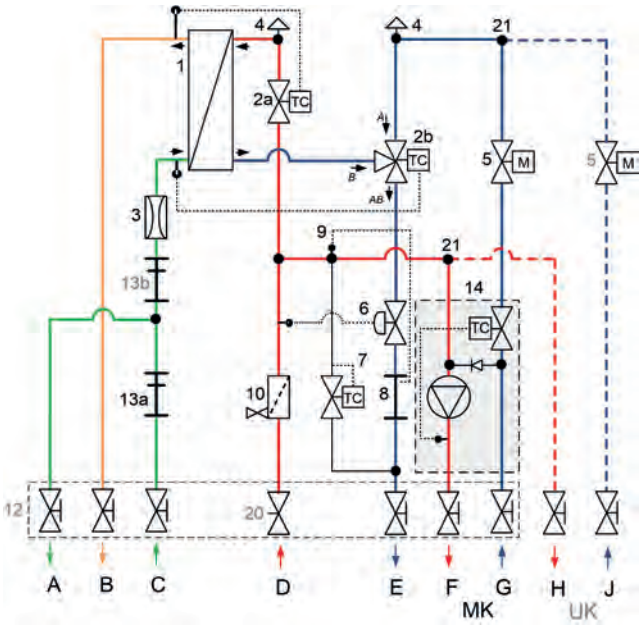
For unmixed heating circuits (expandable to a mixed heating circuit with a separate connection module).

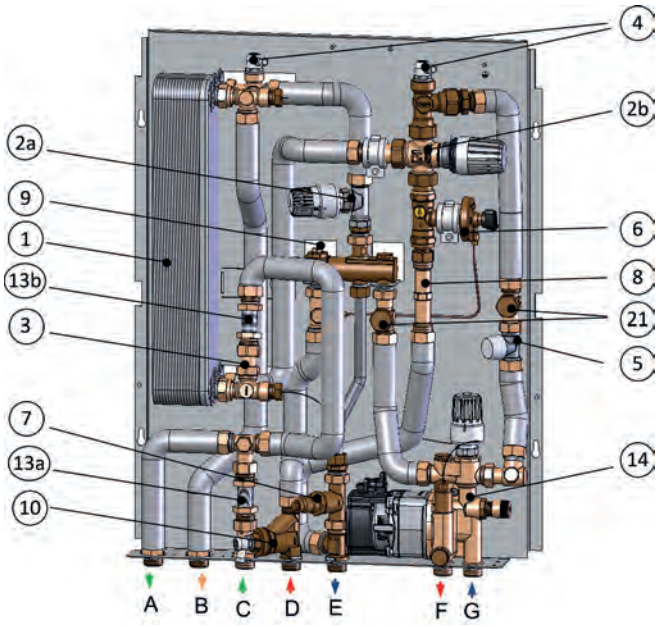




LogoThermic MC

For mixed heating circuits (optionally expandable to another unmixed heating circuit with separate connection module "2nd static heating circuit").





The controlling components

Nr.	Name of the components
1	Stainless steel plate heat exchanger
2a	Thermostatic control valve for setting the DHW temperature
2b	Thermostatic three-way valve for setting the priority switch (20… 50°C)
3	Flow limiter: S-Line or M-Line, with color coding
4	Venting points
5	Zone valve for apartment heating circuit (option: connection to the temp. controller)
6	Differential pressure control valve (adjustable)
7	Keep warm function (adjustable) via a thermostatic circulation bridge (35 ... 65°C)
8	Spool piece for a heat meter (L = 110 mm, 2 x ¾" M)
9	Immersion sleeve ½" for the heat meter
10	Primary strainer incl. ball valve for flushing, filling and drainage
11	Secondary strainer incl. ball valve for flushing, filling and drainage (only at the UC variant)
12	Optional: shut-off ball valve set (¾“ union nut x ¾“ F)
13	Spool piece for a cold water meter (L = 110 mm, 2 x ¾“ M)
14	Mixing circuit with bypass and HE pump, thermostatically controlled (20… 65°C) (only at the MC variant)
15	Optional: Return temperature limiter (adjustable 35 ... 65°C)
18	Optional: DHW circulation pump
20	Ball valve with sensor pocket for optional heat meter (if item 12 is used)
21	Connection option for additional static heating circuit UC (only at the MC version)

Nr.	Description of the connections	S-Line	M-Line
A	Cold water - (DCW) supply to the apartment	¾“	¾“
B	Domestic hot water - (DHW) supply to the apartment	¾“	¾“
C	Cold water - (DCW) inlet from the central main cold water riser	¾“	¾“
D	Heating - (prim. flow) Flow from the primary network	¾“	¾“
E	Heating - (prim. return) Return to the primary network	¾“	¾“
F	Heating - (sec. flow) Supply heating circuit (MC variant)	¾“	¾“
G	Heating - (sec. return) Return apartment heating circuit (MC variant)	¾“	¾“
H	Heating - (sec. flow) Supply heating circuit (UC variant)	¾“	¾“
J	Heating - (sec. return) Return apartment heating circuit (UC variant)	¾“	¾“
Z	Domenstic hot water circulation (DHW-C), depending on the variant	¾“	¾“

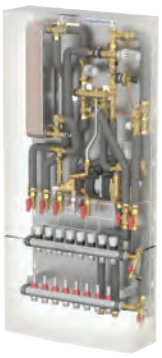
LogoThermic complete stations (CS)

The LogoThermic CS are compact, directly connectable, decentralized heat interface units with a thermostatically controlled DHW preparation and space heating supply. The LogoThermic CS are available as surface or flush mounting configurations, including the case / cover and the ball valve connection set, to enable a simple product selection.
The LogoThermic CS are available as a static heating circuit (UC), as a direct mixing heating circuit (MC) incl. 6 underfloor circuits or as a direct mixing heating circuit (MC) incl. 8 underfloor circuits and a second static heating circuit (UC). The LogoThermic always contains a thermostatic DHW temperature control to meet the system demands.
LogoThermic CS are also available as surface-mounted (SM) or flush-mounted version (FM) as well, with copper soldered heat exchanger (CU) or copper soldered heat exchanger with inner sealed surface (SX) for a higher resistance against aggressive mains water.

- Thermostatically controlled
- Max. pressure heating / potable: 6 bar / PN 10
- Min. operating pressure potable: 1 bar
- Max. temperature load heating / potable: 110°C / 110°C
- Heating performance (at 20 K): 10 kW
- DHW performance: 15* - 17** - 20*** l/min. (resp. 36* - 46** - 50*** kW)

* Defined at a prim. flow temp. of 55°C and a temperature increase of 35 K (use a adapted flow limiter).
** Defined at a prim. flow temp. of 65 ° C and a temperature increase of 40 K.
*** Defined at a prim. flow temp. of 65 ° C and a temperature rise of 35 K (use a adapted flow limiter).

The control technology of LogoThermic is resiliant to domestic cold water supply (mains) with a high degree of hardness, since there are no sensitive mechanical components installed in the cold water side.



Type	Type of heating	Heat exchanger	Type of mounting	Order number
LogoThermic CS M-Line UC SM	stat. heating circuit (st. UC)	Copper	Surface	M11124.1HKAP
LogoThermic CS M-Line UC FM	stat. heating circuit (st. UC)	Copper	Flush	M11124.1HKUP
LogoThermic CS M-Line 6MC SM	Mixing circuit (MC) with 6 circuits	Copper	Surface	M11124.61MKAP
LogoThermic CS M-Line 6MC FM	Mixing circuit (MC) with 6 circuits	Copper	Flush	M11124.61MKUP
LogoThermic CS M-Line 8MC-UC SM	MC with 8 circuits & st. UC	Copper	Surface	M11124.81MKAP
LogoThermic CS M-Line 8MC-UC FM	MC with 8 circuits & st. UC	Copper	Flush	M11124.81MKUP
LogoThermic CS M-Line UC-SX SM	stat. heating circuit (st. UC)	Copper sealed	Surface	M11124.1HKAPSX
LogoThermic CS M-Line UC-SC FM	stat. heating circuit (st. UC)	Copper sealed	Flush	M11124.1HKUPSX
LogoThermic CS M-Line 6MC-SX SM	Mixing circuit (MC) with 6 circuits	Copper sealed	Surface	M11124.61MKAPSX
LogoThermic CS M-Line 6MC-SX FM	Mixing circuit (MC) with 6 circuits	Copper sealed	Flush	M11124.61MKUPSX
LogoThermic CS M-Line S M-Line 8MC-UC-SX SM	MC with 8 circuits & st. UC	Copper sealed	Surface	M11124.81MKAPSX
LogoThermic CS M-Line S M-Line 8MC-UC-SX FM	MC with 8 circuits & st. UC	Copper sealed	Flush	M11124.81MKUPSX

LogoThermic complete stations (CS)

Technical data´s - LogoThermic CS

	LogoThermic CS		
	UC	MC	UC-MC
Dimensions (SM) surface version (width x heights x depth) [mm]	600 x 900 x 210	600 x 1300 x 210	600 x 1300 x 210
Dimensions (SM) flush version (width x heights x depth) [mm]	610 x 953 x 110-160	610 x 1327 x 160-210	610 x 1327 x 160-210
Connection with bottom placement	3/4"	3/4"	3/4"
Radiator heating circuit supply (UC)	✓	-	✓
Mixer circuit (MC) with injection circuit (setting range 20-65°C) and HE pump	-	✓	✓
Underfloor manifold with 6 circuits (3/4"M, 0.5-5l / min, 6 bar)	-	✓	-
Underfloor manifold with 8 circuits (3/4"M, 0.5-5l / min, 6 bar)	-	-	✓
Stainless steel plate heat exchanger, vertical positioning for reducing of risks of calcification	✓	✓	✓
Thermostatic three-way valve for setting the priority switch (20… 50°C) as a comfort function, as well as reducing the risk of lime failure by avoiding the constant keeping of the plate heat exchanger **	✓	✓	✓
Thermostatic control valve for setting the DHW temperature	✓	✓	✓
Zone / regulation valve for apartment heating circuit (option: connection to the temp. controller)	✓	✓	✓
Venting spots with hose connection at the primary heating side	✓	✓	✓
Spool piece for a heat meter (3/4" × 110mm) and sensor pocket (M10x1)	✓	✓	✓
Volume flow limiter for a Domenstic hot water regulation	✓	✓	✓
Saving energy with pipes made of insulated corrugated stainless steel	✓	✓	✓
Completely mechanically assembled on a base plate and tested	✓	✓	✓
Strainer with stainless steel sieve insert (including drainage function) for high operational reliability	✓	✓	✓
Second cold water connection for the apartment	✓	✓	✓
Spool piece for a cold water meter (3/4" × 110mm)	✓	✓	✓
Keep warm function of the primary heating water supply (not inside the measuring circuit of the heat meter) via an adjustable circulation bridge (35-65°C)	✓	✓	✓
Differential pressure control valve (range 5-25 kPa) for autom. hydr. alignment	✓	✓	✓
7 ball valves DN20, one with a sensor pocket for the heat meter & some of them are drinking water ball valves (DVGW tested)	✓	✓	✓

* Width: dimension of the front cover (cut-out dimension larger). Height: dimension of front cover (without height adjustable feets). Depth: adjustable.

Optional accessories - LogoThermic CS

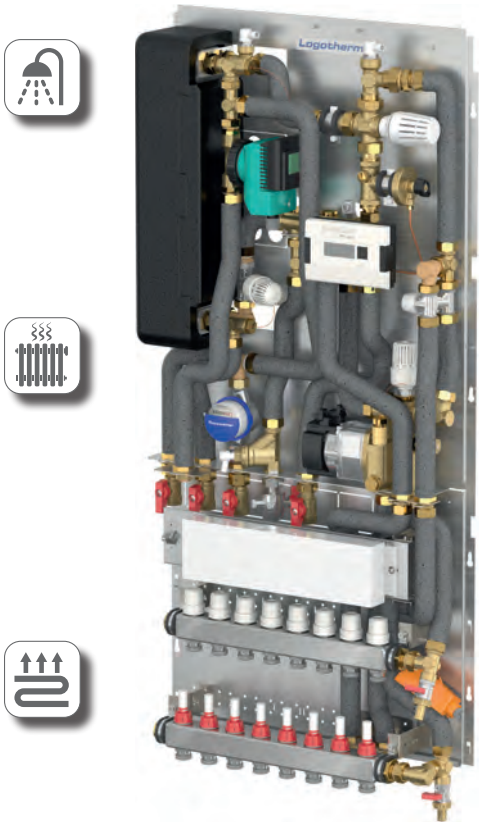
Optional accessories available for each station via the variant management.

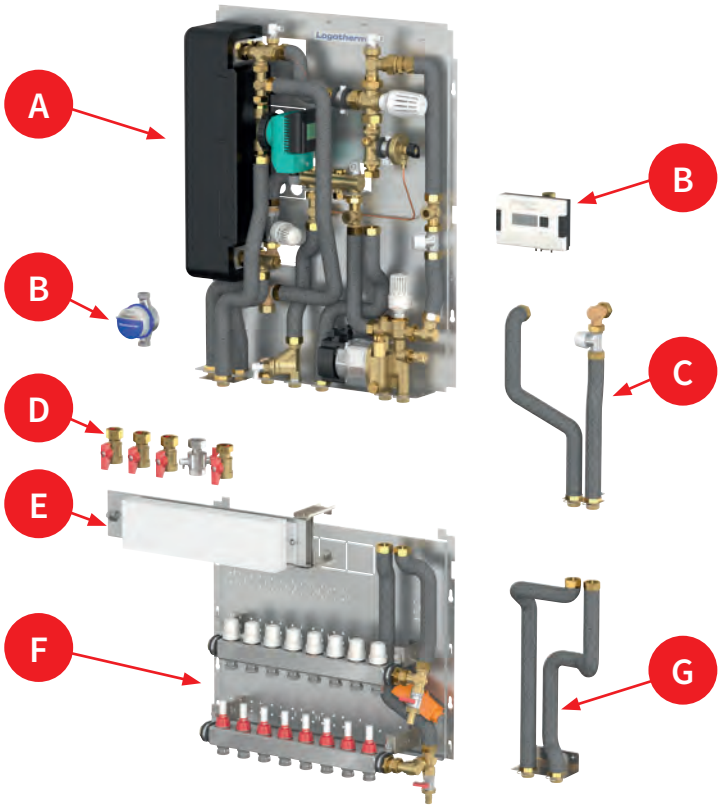
	LogoThermic CS			Order number
	UC	MC	UC-MC	
Meiflex SST 3/4 F/F x 500	Optional	Optional	Optional	M4325.1227.50
Double nipple DN16	Optional	Optional	Optional	M43.66124D

LogoThermic - finished stations

The LogoThermic stations can be combined with a variety of complementary products to meet all the project and comfort requirements.

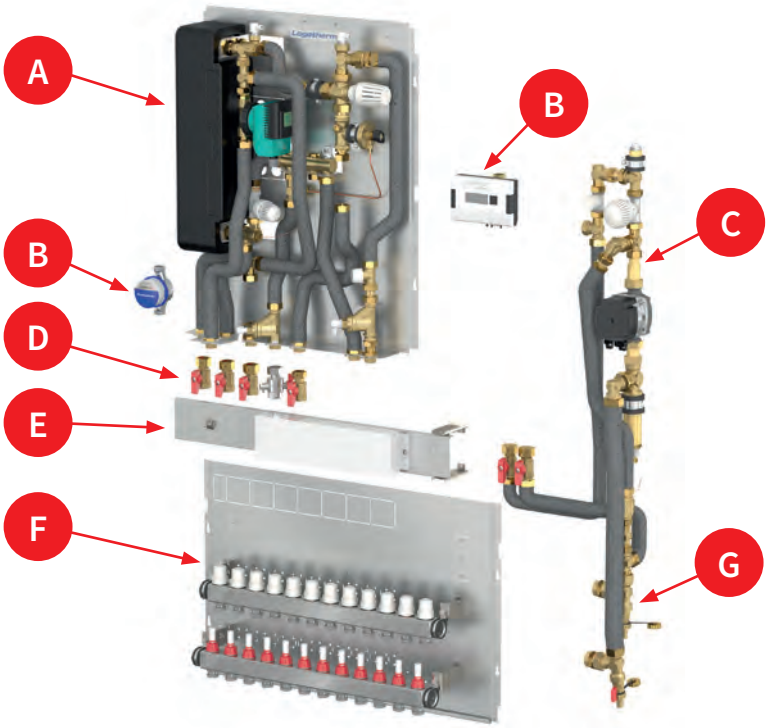
Here you can see a combination example of a LogoThermic with an unmixed heating circuit (UC) and a mixing circuit (MC) with up to 8 underfloor circuits at a LogoThermic solution with a width of 600mm:



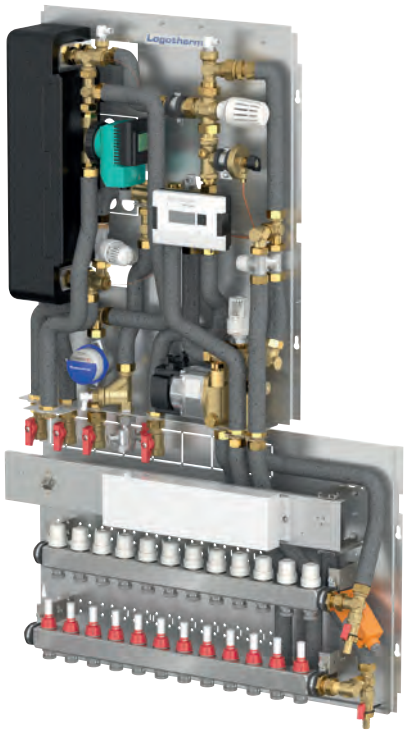


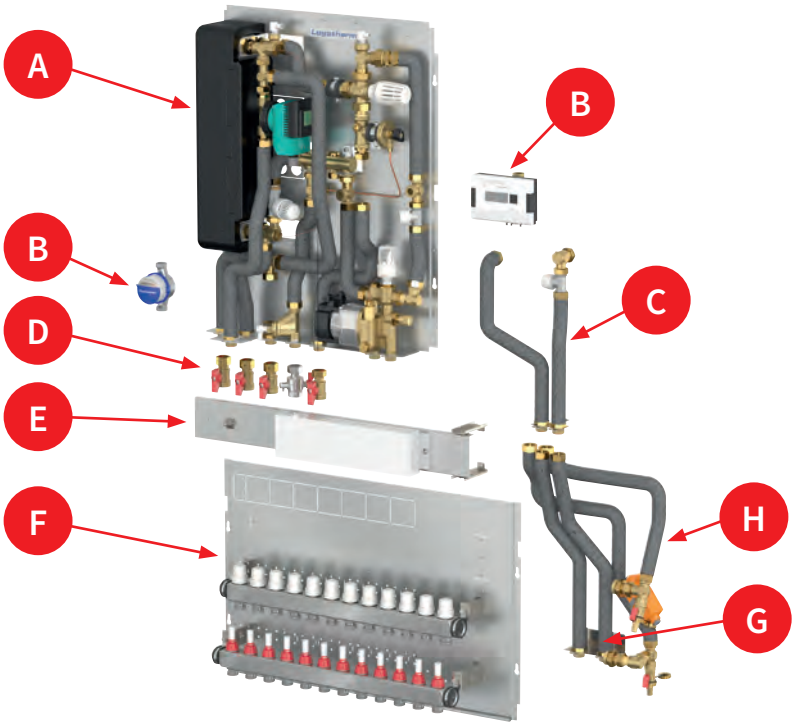
LogoThermic - finished stations

Here you can see a **combination example** of a LogoThermic as a unmixed heating circuit (UC) solution combined with a side connection module (a separate mixing circuit, MC) and a underfloor heating manifold with up to 12 underfloor circuits for LogoThermic variants with a width of up to 850mm.
With the side connection module it is possible that up to 12 heating circuits can be supplied the heating energy.



Here you can see a **combination example** of a LogoThermic with a unmixed heating circuit (UC) & with a mixed heating circuit (MC) combined with a underfloor heating manifold with up to 12 underfloor circuits for LogoThermic variants with a width of up to 850mm. This combination is realized with a special piping set.
With that piping set it is possible that up to 8 heating circuits can be supplied the heating energy.
Then the power / volume flow split up to all other heating circuits.





LogoThermic finished stations

The LogoThermic finished stations are compact, directly connectable, decentralized heat interface units with a thermostatically controlled DHW preparation and space heating supply.
The LogoThermic units are available as a system for surface or flush mounting.

There are two main variants of the LogoThermic series:

- UC = LogoThermic with static heating circuit
- MC = LogoThermic Plus with integrated mixing circuit

Special equipment features:

- CU = copper soldered plate heat exchanger
- SX = sealed heat exchanger
- DHW-C = domestic hot water circulation
- PRV = pressure reducing valve (in the cold water inlet)
- RTL = return temperature limiter (in the secondary heating return)

Operating parameters and performances:

- Max. pressure heating / potable: PN 10 / PN 10
- Min. operating pressure potable: 1 bar
- Max. temperature load heating / potable: 110°C / 110°C
- Heating performance (at 20 K): 10 kW
- Dimensions[1] width x height x depth (without DHW-C / with DHW-C): 576 x 750 x (110/145) mm

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Logotherm type	Performance type	Variants	DHW performance	Fig.	Order number per PHE type	
					CU	SX
LogoThermic	S-Line	UC	12 (29)[2] 12 (35)[3] 15 (37)[4]		M11124.11	-
		UC DHW-C			M11124.18	-
		UC RTL			-	M11124.112SX
		UC PRV			M11124.13	M11124.114SX
	M-Line	UC	15 (36)[2] 17 (46)[3] 20 (50)[4]	3 2	M11124.110	M11124.110SX
		UC DHW-C			M11124.19	M11124.19SX
		UC PRV			M11124.12	M11124.113SX
		UC RTL			M11124.14	M11124.111SX
LogoThermic Plus	S-Line	MC	12 (29)[2] 12 (35)[3] 15 (37)[4]		M11124.21	-
		MC DHW-C			M11124.23	-
	M-Line	MC	15 (36)[2] 17 (46)[3] 20 (50)[4]	1 4	M11124.210	M11124.210SX
		MC DHW-C			M11124.24	M11124.24SX
		UC MC			M11124.71	M11124.71SX

[1] Take care about the dimensions of the cases / covers
[2] Defined at a prim. flow temp. of 55°C and a temperature increase of 35 K (use a adapted flow limiter).
[3] Defined at a prim. flow temp. of 65 ° C and a temperature increase of 40 K.
[4] Defined at a prim. flow temp. of 65 ° C and a temperature rise of 35 K (use a adapted flow limiter).

Technical data´s - LogoThermic finished stations

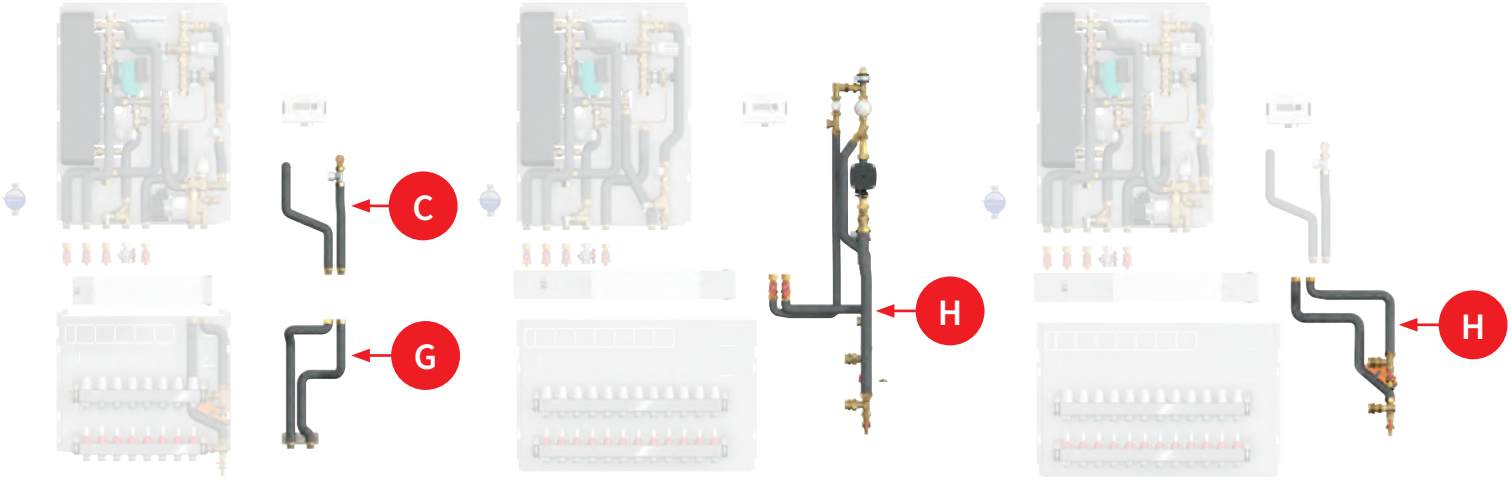
	LogoThermic - finished stations	
	UC	MC
Thermostatic three-way valve for setting the priority switch (20… 50°C) as a comfort function, as well as reducing the risk of lime failure by avoiding the constant keeping of the plate heat exchanger	✓	
Stainless steel plate heat exchanger, vertical positioning for reducing of risks of calcification	✓	
Zone / regulation valve for apartment heating circuit (option: connection to the temp. controller)	✓	
Venting spots with hose connection at the primary heating side	✓	
Spool piece for a heat meter (3/4" × 110mm) and sensor pocket (M10x1)	✓	
Volume flow limiter for a domenstic hot water regulation	✓	
Saving energy with pipes made of insulated corrugated stainless steel	✓	
Completely mechanically assembled on a base plate and tested	✓	
Strainer with stainless steel sieve insert (including drainage function) for high operational reliability	✓	
Second cold water connection for the apartment	✓	
Spool piece for a cold water meter (3/4" × 110mm)	✓	
Keep warm function of the primary heating water supply (not inside the measuring circuit of the heat meter) via an adjustable circulation bridge (35-65°C)	✓	
Differential pressure control valve (range 5-25 kPa) for autom. hydr. alignment	✓	
Radiator heating circuit supply (UC)	✓	-
Mixer circuit (MC) with injection circuit (setting range 20-65°C) and HE pump	-	✓

Optional accessories - LogoThermic finished stations

	LogoThermic - finished stations		Order number
	UC	MC	
Plate heat exchanger (PHE) for drinking water with high Conductivity at 12 l/min.	Optional	Optional	MM-10230.5SC
Plate heat exchanger (PHE) for drinking water with high Conductivity at 17 l/min.	Optional	Optional	M10232.58ES
Scalding protection	Optional	Optional	-
Return temperature limiter (35-65°C)	Optional	Optional	-
Ball valve 1 x DN20, DVGW tested	Optional	Optional	M61801.22
Ball valves 5 x DN20, DVGW tested and 1 x with sensor pocket	Optional	-	M10252.34
Ball valves 7 x DN20, DVGW tested and 1 x with sensor pocket	Optional	Optional	M10252.32
Ball valves 8 x DN20, DVGW tested and 1 x with sensor pocket (Application for LogoThermic with DHW circulation)	Optional	Optional	M10252.33
First fix rail - surface and flush-mounting possible with 7 x DN 20 ball valves, DVGW tested and 1 x with sensor pocket	Optional	Optional	M10203.181
Meiflex SST 3/4 F/F x 500	Optional	Optional	M4325.1227.50
Double nipple DN16	Optional	Optional	M43.66124D
Connection set 2nd static heating circuit (unmixed, UC) incl. zone / regulation valve (Fig. C)	-	Optional	M10253.13
Extension of the connection set "2nd stat. heating circuit" for UFH manifolds variant B with up to 8 mixing circuits (Fig. G)	-	Optional	M10253.17
Extension of the connection set "2nd stat. heating circuit" for UFH manifolds variant E with up to 12 mixing circuits (Fig. G)	-	Optional	M10253.18
Special piping set with thermal injection circuit and HE pump for connecting LogoThermic MC with UFH manifold variant E with up to 12 mixing circuits (Fig. H)[1]	-	Optional	M10253.15
Side connection module with thermal injection circuit and HE pump for connecting LogoThermic UC with UFH manifold variant E with up to 12 mixing circuits (Fig. H)[2]	Optional	-	M10512.26

D

[1] The supply takes place up to 8 heating circuits 100% per circuit. Then the power / volume flow split up to all other heating circuits.
[2] Up to 12 heating circuits are supplied 100% per circuit.



LogoThermic - finished stations

LogoThermic finished stations - UFH manifolds

Type	Number of circuits	Variant	LogoThermic - finished stations		Order number
			MC	UC	
UFH manifold 3B	3	B	✓	-	MM14
UFH manifold 3E	3	E	✓[2]	✓[1]	MM15
UFH manifold 4B	4	B	✓	-	MM16
UFH manifold 4E	4	E	✓[2]	✓[1]	MM17
UFH manifold 5B	5	B	✓	-	MTS-11301.17
UFH manifold 5E	5	E	✓[2]	✓[1]	MTS-11301.18
UFH manifold 6B	6	B	✓	-	M10512.33
UFH manifold 6E	6	E	✓[2]	✓[1]	M10512.34
UFH manifold 7B	7	B	✓	-	M10512.35
UFH manifold 7E	7	E	✓[2]	✓[1]	M10512.36
UFH manifold 8B	8	B	✓	-	M10512.37
UFH manifold 8E	8	E	✓[2]	✓[1]	M10512.38
UFH manifold 9E	9	E	✓[2]	-	M10512.39
UFH manifold 10E	10	E	✓[2]	✓[1]	M10512.40
UFH manifold 11E	11	E	✓[2]	-	M10512.41
UFH manifold 12E	12	E	✓[2]	✓[1]	M10512.42

[1] Wide design of the case / cover required during the usage of the side connection module
[2] Wide design of the case / cover required during the usage of the special piping set

Specification	UFH manifold	
	Type B	Type E
Width x height [mm][1]	576 x 400	792 x 500
Connection to the heating circuits	¾“ M - Eurokonus	
Alignment of the supply connections:	top	side
Material UFH manifold	stainless steel	
Control range flow rate limiter	0,5 – 5 l/min.	
Max. pressure load	6 bar	
Valve insert M30 x 1.5 with manual adjustment flaps	✓	
Incl. Adapters for converting to flat sealing 3/4“AG connection to the heating circuits	-	✓

[1] Note the dimensions of the case / cover

Example
Version 6B

Example
Version 9E

LogoThermic finished stations - pre-wiring concept

Pre-wiring concept for each heat interface unit (HIU) with UFH incl.:
- UFH terminal block (IP44; supply voltage for the drives 230V)
- Pump logic module
- Hinged holding plate of the terminal strip (for access to all assemblies)
- Safety temperature monitor with thermal actuator
- Professional wiring and delivery within the selected HIU

Attention: The required actuators for the underfloor heating circuits must be ordered separately!

Type	Order number
For use with up to 8 zones (up to 18 actuators and thus several can be connected per zone)	MB10560.03
For use with up to 10 zones (up to 18 actuators and thus several can be connected per zone)	MB10560.04
Electrothermal actuator	M10560.98

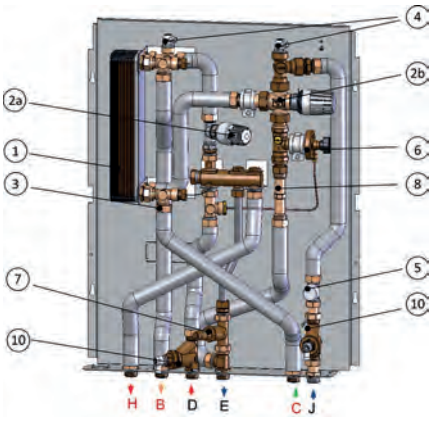
Sample representation
Floor clamping strip with holding plate as part of the Pre-wiring package

LogoThermic - thermal exchange units (BE)

The LogoThermic thermal exchange units (BE) are compact, directly connectable, decentralized heat interface units with a thermostatically controlled DHW preparation and space heating supply.
The LogoThermic units are available as a system for surface or flush mounting.

Operating parameters and performances:

- Max. pressure heating / potable: PN10 / PN10
- Min. operating pressure potable: 1 bar
- Max. temperature load heating / potable: 110°C / 110°C
- Heating performance (at 20 K): 10 kW
- Dimensions[1] width x height x depth - order no. M11224.11: 576 x 750 x 110 mm
- Dimensions[1] width x height x depth - order no. M11224.12: 576 x 887 x 106 mm
- Dimensions[1] width x height x depth - order no. M11224.13: 426 x 887 x 106 mm
- Dimensions[1] width x height x depth - order no. M11224.14: 426 x 887 x 106 mm



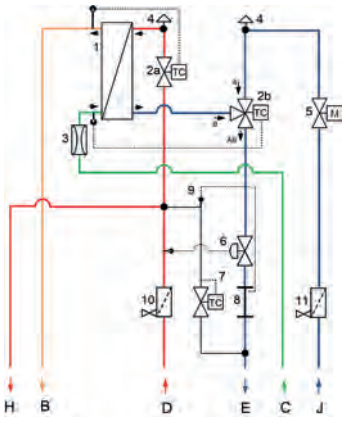


Fig. 1

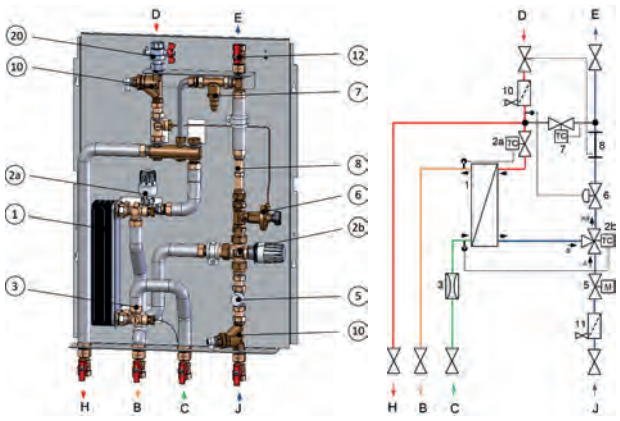


Fig. 2

LogoThermic - thermal exchange units (BE)	UC
Thermostatic three-way valve for setting the priority switch (20… 50°C) as a comfort function, as well as reducing the risk of lime failure by avoiding the constant keeping of the plate heat exchanger	✓
Stainless steel plate heat exchanger, vertical positioning for reducing of risks of calcification	✓
Zone / regulation valve for apartment heating circuit (option: connection to the temp. controller)	✓
Spool piece for a heat meter (3/4" × 110mm) and sensor pocket (M10x1)	✓
Volume flow limiter for a domenstic hot water regulation	✓
Saving energy with pipes made of insulated corrugated stainless steel	✓
Completely mechanically assembled on a base plate and tested	✓
Strainer with stainless steel sieve insert (including drainage function) for high operational reliability	✓
Keep warm function of the primary heating water supply (not inside the measuring circuit of the heat meter) via an adjustable circulation bridge (35-65°C)	✓[2]
Differential pressure control valve (range 5-25 kPa) for autom. hydr. alignment	✓
Radiator heating circuit supply (UC)	✓

[1] Note the dimensions of the case / cover. For the LogoThermic M11224.12 to M11224.14, please register the appropriate case / cover separately.
[2] Not included with the LogoThermic M11224.14.

LogoThermic - thermal exchange units (BE)

Logotherm Type	Performance type	Variants	DHW performance						Order number
			[l/min][2]	[kW][2]	[l/min][3]	[kW][3]	[l/min][4]	[kW][4]	
LogoThermic	S-Line	UC BE	12	29	12	35	15	37	M11224.11
									M11224.12
									M11224.13
									M11224.14

1 Take care about the dimensions of the cases / covers
2 Defined at a prim. flow temp. of 55°C and a temperature increase of 35 K.
3 Defined at a prim. flow temp. of 65 ° C and a temperature increase of 40 K.
4 Defined at a prim. flow temp. of 65 ° C and a temperature rise of 35 K (use a adapted flow limiter).

Optional accessories - LogoThermic thermal exchange units (BE)

		Bestellnummer
Plate heat exchanger (PHE) for drinking water with high Conductivity at 12 l/min.	Optional	MM-10230.5SC
Ball valves 6 x DN20	Optional	M10252.35
Meiflex SST 3/4 F/F x 500	Optional	M4325.1227.50
Double nipple DN16	Optional	M43.66124D

LogoThermic - cladding (cases / covers)

Standard white (RAL 9016)

Type flush mounting (FM)	UFH circuits[1] & types	height mm	width mm	depth mm	Fig.	Radio[5]	Order number
FM (with drip pan)	no	935[2] (953)[3]	610[2] (655)[3]	110-160[4]	2	no	M11100.40
FM	no	935[2] (953)[3]	610[2] (655)[3]	110-160[4]	2	yes	M11100.38K
	no					no	M11100.38
	∑ ≤ 8 (B)	1.300[2] (1.327)[3]	610[2] (655)[3]	130-210[4]	2	yes	M11100.39K
	∑ ≤ 8 (B)					no	M11100.39
	∑ ≤ 12 (E)	1.300[2] (1.327)[3]	847[2] (890)[3]	130-210[4]	4	yes	M11100.29K
	∑ ≤ 12 (E)			165-245[4]		no	M11100.42
height adjustable feets for FM cases (adj. 100-170mm)	Usage at „M11100.40“, „M11100.38K“, „M11100.38“, „M11100.39K“ and „M11100.39“				5	-	M11100.21
	Usage at „M11100.29K“ and M11100.42“					-	M11100.71

Type surface mounting (SM)	UFH circuits[1] & types	height (H) mm	width (B) mm	depth (T) mm	Fig.	Radio[5]	Order number
SM	no	900	600	210	3	yes	M11100.11K
	no	900	600	210		no	M11100.11
	∑ ≤ 12 (E)	1.330	850	210	6	yes	M11100.43K
	∑ ≤ 12 (E)	1.330	850	210		no	M11100.43
SM additional case for UFH manifolds	∑ ≤ 8 (B)	400	600	210	7	no	M11100.5

[1] Number max. useable underfloor heating circuits
[2] For flush-mounted versions, this is the indication of the cut-out dimension (for height A1 and width A2)
[3] For flush-mounted versions, this is the indication of the size of the cover (for the height B1 and width B2)
[4] For flush-mounted versions, the depth can be adjusted as specified
[5] cases / covers with special radio-permeable insert for the use of radio-capable metering devices

Fig. 2

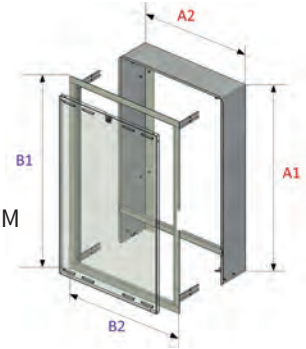
Fig. 4

Fig. 3

Fig. 6

Fig. 7

Fig. 5

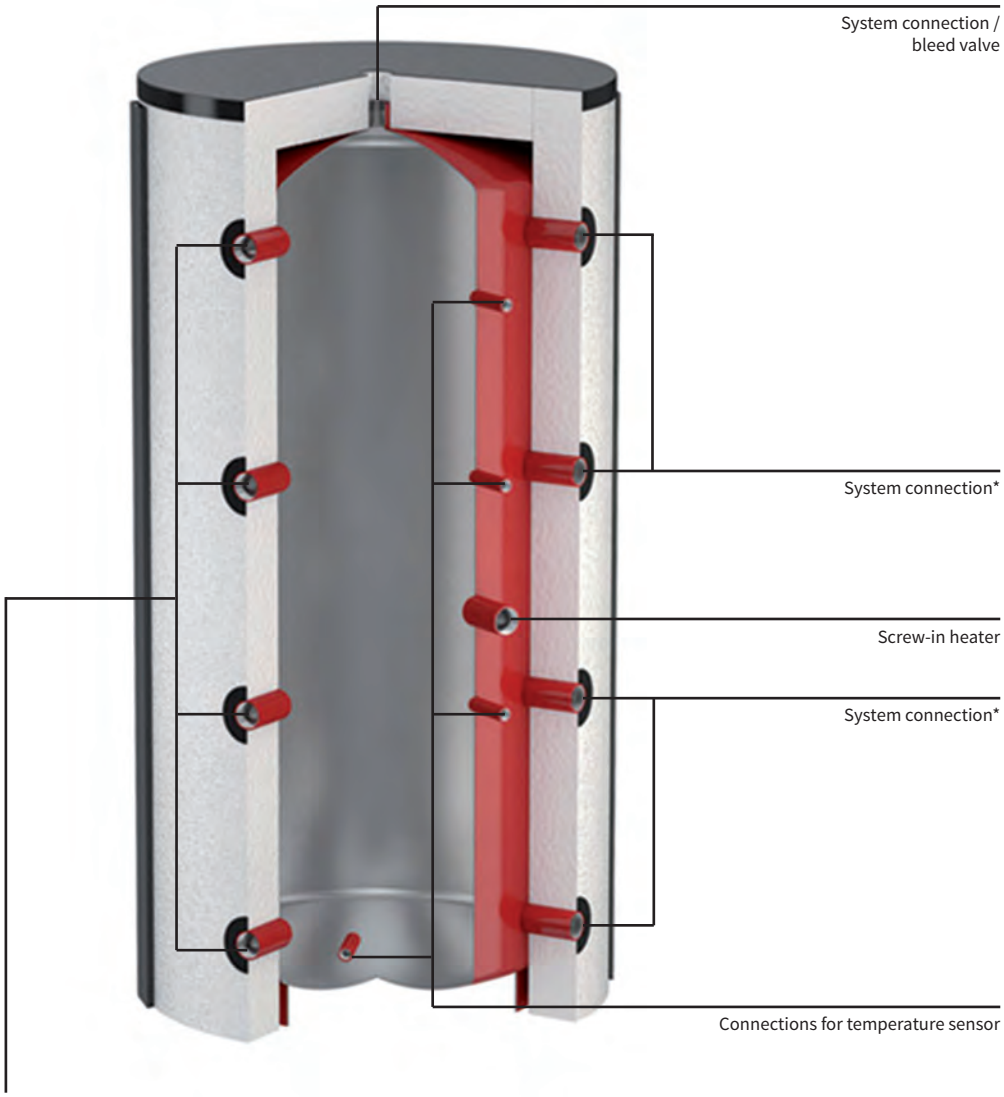


Example of the dimensions for FM cases / covers

Example of the dimensions for SM cases / covers

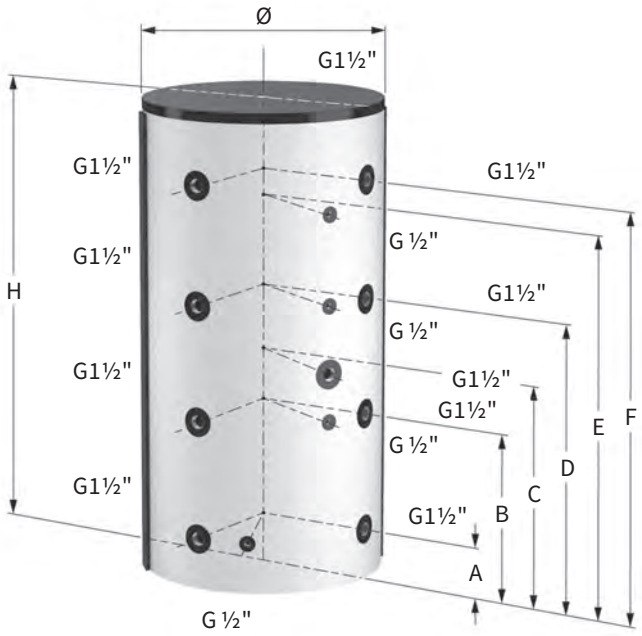
Buffer tanks PS 500 - PS 1000

These can be used in all sealed heating systems and have a robust, installation-friendly design. They are complete with various sensor connections for individual adjustment of the temperature regulation. They have height-adjustable feet for fast and safe alignment and are powder-coated on the outside. The maximum operating pressure is 3 bar (buffer tank with max. pressure loads up to 6 bar are available on request); the maximum operating temperature is 95°C.
The thermal insulation is a 100 mm fleece with a polystyrene top layer, forming an installation-friendly kit.



*** System connection:**
Supply and return line connections according to the individual system configuration.

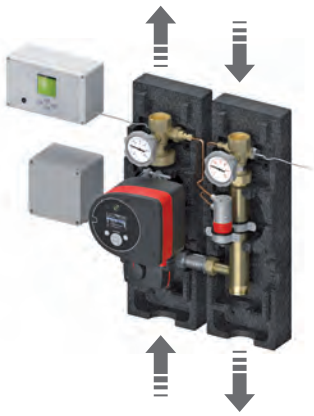
Type	Capacity	Dimensions	height	Tilting height	Diameter	height
		without insulation			with insulation	
	Litres	mm	mm	mm	mm	mm
PS 500	500	650	1.650	1.700	850	1.750
PS 600	600	650	2.050	2.100	850	2.150
PS 750	750	790	1.800	1.850	990	1.900
PS 1000	1.000	850	2.000	2.050	1.050	2.100



Type	Position of the connections (in mm)						Weight (without insulation) kg	Weight Insulation kg
	A	B	C	D	E	F		
PS 500	180	600	770	1010	1330	1430	80	19,1
PS 600	180	730	980	1280	1730	1830	93	24,6
PS 750	270	690	940	1100	1420	1520	102	24,2
PS 1000 (Ø 850)	305	790	1075	1220	1605	1705	172	27,6

Article description & code			Comments
buffer tank	Type:	PS 500	Storage volume 500l
	order code:	18756	
Insulation buffer tank 500l	order code:	18681	
buffer tank	Type:	PS 600	Storage volume 600l
	order code:	19380	
Insulation buffer tank 600l	order code:	18684	
buffer tank	Type:	PS 750	Storage volume 750l
	order code:	18786	
Insulation buffer tank 750l	order code:	18687	
buffer tank	Type:	PS 1000	Storage volume 1.000l
	order code:	18850	
Insulation buffer tank 1.000l	order code:	18696	

Mixed pump group specially during possible primary temperature fluctuations and / or increased primary temperatures in e.g. at integration of renewable energies (e.g. solar).



MeiFlow M MC-LFC - pump group with fast mixer & controller
Application: mixed heating circuit
Pre-assembled and insulated pump group with MeiFlow LFC-M control; For improved control of the network dynamics in small systems with high storage temperatures (e.g. for solar charging); Temperature sensors directly immersed in the flow ball valve for fast reaction; Fast, continuous threeway mixer with 35 sec. running time; Outlet top: 1 ½" F flat-sealing, bottom: 1 ½" M flat-sealing; Including control (230V) and sensors.

Type	Type of Pump	Order number
MC-LFC	with Magna 32-60	M66834H2S

MeiFlow M MC-LFC - pump group
Application: mixed heating circuit
Pre-assembled and insulated pump group MeiFow M MC-LFC for heating circuit controller with threeway mixer. Including flow and return line temperature sensor and differential pressure sensor.
Up to MC-LFC2 (DN 32) with screw thread connections. Lower outlet piece 1 ½" M, upper outlet piece female thread corresponding to pump dimension. From MC-LFC3 (DN 40) with connecting pieces made of seamless steel pipe corresponding to pump dimension including BigFixlock nut. The pump control system plus corresponding union fittings for upper and lower connection should be ordered for it.

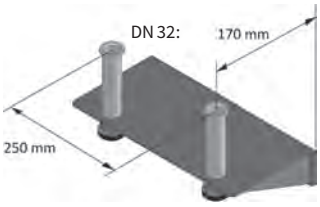
MC-LFC2	with Magna 32 - 100	M66834.1H
MC-LFC3	with Magna3 40-120F	M66547.1H
MC-LFC4	with Magna3 50-120F	M66548.1H
MC-LFC5	with Magna3 65-120F	M66549.1H

MeiFlow M UC-LFC - pump groups
Application: unmixed heating circuit
Pre-assembled and insulated pump group MeiFlow M UC-LCF for heating circuit control, including flow and return line sensor and differential pressure sensor.
Up to UC-LFC2 (DN 32) with screw thread connections. Lower outlet piece 1 ½" M, upper outlet piece female thread 1 ¼" (DN 32). From UC-LFC3 (DN 40) with connecting pieces made of seamless steel pipe corresponding to pump dimension including BigFixlock nut. The pump control system plus corresponding union fittings for upper and lower connection should be ordered for it.

UC-LFC2	with Magna 32 - 100	M66814.2H
UC-LFC3	with Magna3 40-120F	M66537.1H
UC-LFC4	with Magna3 50-120F	M66538.1H
UC-LFC5	with Magna3 65-120F	M66539.1H

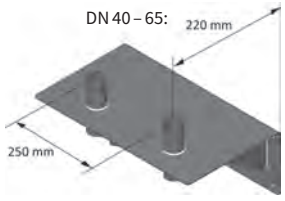
MeiTronic LFC (Typ LCF-H/LCF-M)
Differential pressure controlled heating control as
a single controller for controlling a mixer and a heating circuit pump or double pump. Using together with MeiFlow UC or MC from LFC3 to LFC5

Type	Order number
MeiTronic LFC	M10575.306



Wall bracket for MeiFlow pump groups
Wall bracket for unmixed or mixed pump groups of the type:
- MeiFlow UC-LFC2
- MeiFlow MC-LFC2

Type	BigFixLock Clamps (2)	Axial distance (mm)	Wall distance (mm)	Order number
Wall bracket up to DN32+		250	170	M16335.61



Wall bracket for MeiFlow pump groups
Wall bracket for unmixed or mixed pump groups of the types:
- MeiFlow UC-LFC3, MeiFlow UC-LFC4 and MeiFlow UC-LFC5
- MeiFlow MC-LFC3, MeiFlow MC-LFC4 and MeiFlow MC-LFC5

Wall bracket DN40	DN40 / DN40	250	220	M16335.71
Wall bracket DN50	DN50 / DN50	250	220	M16335.72
Wall bracket D 65	DN65 / DN65	250	220	M16335.73

Connections to the heating circuit
Attention: For the MeiFlow UC LFC3 up to LFC5 and MeiFlow MC LFC3 up to LFC5 pump groups, 2 pairs of adapter fittings are always required (even when you using the wall bracket).

BigFixLock - Male thread, 1 pair

Type	ø Pipe			Order number
	DN	Outside dimension (mm)		
BigFixLock M DN40	40	R 1 ½" M		M66259.26
BigFixLock M DN50	50	R 2" M		M66259.36
BigFixLock M DN65	65	R 2 ½" M		M66259.46

BigFixlock - Press connection C-steel with M contour, 1 pair

BigFixLock P DN40	40	42		M66259.28
BigFixLock P DN50	50	54		M66259.38

Selection of buffer tanks & Network pumps

Hot water output Logotherm HIU up to: **35 kW - 12 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

Basic criteria for the selection table			
DHW performance:	35 kW - 12 l/min.	Max. heating performance:	10kW (with 20K spread)
Domestic cold water temperature:	10 °C	Domenstic hot water temperature:	50 °C
Domestic hot water increase:	40 K	Primary flow temperature:	65 °C
Critical tap time:	5 min.	Heat source - switch-on time:	3 min.
Buffer tank reload time:	10 min.	Free heating output in the building:	10 %
Minimum storage temperature:	65°C	Max. Lowering of the buffer tank:	see ΔT in table

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø heating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
2	4	19,6	MeiFlow M MC-LFC		MeiTronic LFC	PS 500	PS 500
	6	23,2					
	8	26,8					
	10	30,4					
3	4	23,2					
	6	28,6					
	8	34,0	UC / MC-LFC2	DN32			
	10	39,4					
4	4	33,1					
	6	40,3					
	8	47,5					
	10	54,7					
5	4	36,7					
	6	45,7					
	8	54,7					
	10	63,7					
6	4	40,3					
	6	51,1					
	8	61,9					
	10	72,7					
7	4	43,9					
	6	56,5					
	8	69,1					
	10	81,7					
8	4	47,5					
	6	61,9					
	8	76,3					
	10	90,7					
9	4	51,1					
	6	67,3					
	8	83,5					
	10	99,7					
10	4	54,7					
	6	72,7					
	8	90,7					
	10	108,7					
11	2	38,5					
	4	58,3					
	6	78,1					
	8	97,9					
	10	117,7	UC / MC-LFC3	DN40			
12	4	61,9	UC / MC-LFC2	DN32			
	6	83,5					
	8	105,1					
	10	126,7	UC / MC-LFC3	DN40			

WE = number of residential units / apartments **storage temp.** = Storage temperature

Hot water output Logotherm HIU up to: **35 kW - 12 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
13	4	65,5	UC / MC-LFC2	DN32	MeiTronic LFC	PS 500	PS 500
	6	88,9					
	8	112,3	UC / MC-LFC3	DN40			
	10	135,7					
14	4	69,1	UC / MC-LFC2	DN32			
	6	94,3					
	8	119,5	UC / MC-LFC3	DN40			
	10	144,7					
15	4	78,9	UC / MC-LFC2	DN32		PS 750	
	6	105,9					
	8	132,9	UC / MC-LFC3	DN40			
	10	159,9					
16	4	82,5					
	6	111,3					
	8	140,1					
	10	168,9					
17	4	86,1					
	6	116,7					
	8	147,3					
	10	177,9					
18	4	89,7					
	6	122,1					
	8	154,5					
	10	186,9					
19	4	93,3					
	6	127,5					
	8	161,7					
	10	195,9					
20	4	96,9					
	6	132,9					
	8	168,9					
	10	204,9					
21	4	100,5					
	6	138,3					
	8	176,1					
	10	213,9					
22	4	104,1					
	6	143,7					
	8	183,3					
	10	222,9					
23	4	107,7					
	6	149,1					
	8	190,5					
	10	231,9	UC / MC-LFC4	DN50			
24	4	111,3	UC / MC-LFC3	DN40			
	6	154,5					
	8	197,7					
	10	240,9	UC / MC-LFC4	DN50			
25	4	114,9	UC / MC-LFC3	DN40			
	6	159,9					
	8	204,9					
	10	250,0	UC / MC-LFC4	DN50			

WE = number of residential units / apartments **storage temp.** = Storage temperature

Selection of buffer tanks & Network pumps

Hot water output Logotherm HIU up to: **35 kW - 12 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
26	4	118,5	UC / MC-LFC3	DN40	MeiTronic LFC	PS 750	PS 500
	6	165,3					
	8	212,1					
	10	260,0	UC / MC-LFC4	DN50			
27	4	122,1	UC / MC-LFC3	DN40			
	6	170,7					
	8	219,3					
	10	270,0	UC / MC-LFC4	DN50			
28	4	125,7	UC / MC-LFC3	DN40			
	6	176,1					
	8	226,5	UC / MC-LFC4	DN50			
	10	280,0					
29	4	129,3	UC / MC-LFC3	DN40			
	6	181,5					
	8	233,7	UC / MC-LFC4	DN50			
	10	290,0					
30	4	132,9	UC / MC-LFC3	DN40			
	6	186,9					
	8	240,9	UC / MC-LFC4	DN50			
	10	300,0					
31	2	80,7	UC / MC-LFC2	DN32			
	4	136,5	UC / MC-LFC3	DN40			
	6	192,3					
	8	248,1	UC / MC-LFC4	DN50			
	10	310,0					
32	4	140,1	UC / MC-LFC3	DN40			
	6	197,7					
	8	256,0	UC / MC-LFC4	DN50			
	10	320,0					
33	4	143,7	UC / MC-LFC3	DN40			
	6	203,1					
	8	264,0	UC / MC-LFC4	DN50			
	10	330,0					
34	4	147,3	UC / MC-LFC3	DN40			
	6	208,5					
	8	272,0	UC / MC-LFC4	DN50			
	10	340,0					
35	4	150,9					
	6	213,9					
	8	280,0					
	10	350,0					
36	4	154,5					
	6	219,3					
	8	288,0					
	10	360,0					
37	4	158,1					
	6	224,7					
	8	296,0					
	10	370,0	UC / MC-LFC5	DN65			
38	4	161,7	UC / MC-LFC4	DN50			
	6	230,1					
	8	304,0					
	10	380,0	UC / MC-LFC5	DN65			

WE = number of residential units / apartments **storage temp.** = Storage temperature

Hot water output Logotherm HIU up to: **35 kW - 12 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
39	4	165,3	UC / MC-LFC4	DN50	MeiTronic LFC	PS 750	PS 500
	6	235,5					
	8	312,0					
	10	390,0	UC / MC-LFC5	DN65			
40	4	168,9	UC / MC-LFC4	DN50			
	6	240,9					
	8	320,0					
	10	400,0	UC / MC-LFC5	DN65			
41	4	172,5	UC / MC-LFC4	DN50			
	6	246,3					
	8	328,0					
	10	410,0	UC / MC-LFC5	DN65			
42	4	176,1	UC / MC-LFC4	DN50			
	6	252,0					
	8	336,0					
	10	420,0	UC / MC-LFC5	DN65			
43	4	179,7	UC / MC-LFC4	DN50			
	6	258,0					
	8	344,0					
	10	430,0	UC / MC-LFC5	DN65			
44	4	183,3	UC / MC-LFC4	DN50			
	6	264,0					
	8	352,0					
	10	440,0	UC / MC-LFC5	DN65			
45	4	186,9	UC / MC-LFC4	DN50			
	6	270,0					
	8	360,0	UC / MC-LFC5	DN65			
	10	450,0					
46	4	190,5	UC / MC-LFC4	DN50			
	6	276,0					
	8	368,0	UC / MC-LFC5	DN65			
	10	460,0					
47	4	194,1	UC / MC-LFC4	DN50			
	6	282,0					
	8	376,0	UC / MC-LFC5	DN65			
	10	470,0					
48	4	197,7	UC / MC-LFC4	DN50			
	6	288,0					
	8	384,0	UC / MC-LFC5	DN65			
	10	480,0					
49	4	201,3	UC / MC-LFC4	DN50			
	6	294,0					
	8	392,0	UC / MC-LFC5	DN65			
	10	490,0					
50	4	204,9	UC / MC-LFC4	DN50			
	6	300,0					
	8	400,0	UC / MC-LFC5	DN65			
	10	500,0					

WE = number of residential units / apartments **storage temp.** = Storage temperature

Selection of buffer tanks & Network pumps

Hot water output Logotherm HIU up to: **46 kW - 17 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

Basic criteria for the selection table			
DHW performance:	46 kW - 17 l/min.	Max. heating performance:	10kW (with 20K spread)
Domestic cold water temperature:	10 °C	Domenstic hot water temperature:	50 °C
Domestic hot water increase:	40 K	Primary flow temperature:	65 °C
Critical tap time:	5 min.	Heat source - switch-on time:	3 min.
Buffer tank reload time:	10 min.	Free heating output in the building:	10 %
Minimum storage temperature:	65°C	Max. Lowering of the buffer tank:	see ΔT in table

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø heating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
2	4	24,8	MeiFlow M MC-LFC		MeiTronic LFC	PS 500	PS 500
	6	28,4					
	8	32,0					
	10	35,6					
3	4	28,4					
	6	33,8					
	8	39,2	UC / MC-LFC2	DN32		PS 600	
	10	44,6					
4	4	40,8					
	6	48,0					
	8	55,2					
	10	62,4					
5	4	44,4					
	6	53,4					
	8	62,4					
	10	71,4					
6	4	48,0					
	6	58,8					
	8	69,6					
	10	80,4					
7	4	51,6					
	6	64,2					
	8	76,8					
	10	89,4					
8	4	55,2					
	6	69,6					
	8	84,0					
	10	98,4					
9	4	58,8					
	6	75,0					
	8	91,2					
	10	107,4					
10	4	62,4					
	6	80,4					
	8	98,4					
	10	116,4					
11	4	66,0				PS 750	
	6	85,8					
	8	105,6					
	10	125,4	UC / MC-LFC3	DN40			
12	4	69,6	UC / MC-LFC2	DN32			
	6	91,2					
	8	112,8					
	10	134,4	UC / MC-LFC3	DN40			

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Hot water output Logotherm HIU up to: **46 kW - 17 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
13	4	73,2	UC / MC-LFC2	DN32	MeiTronic LFC	PS 750	PS 500
	6	96,6					
	8	120,0	UC / MC-LFC3	DN40			
	10	143,4					
14	4	76,8	UC / MC-LFC2	DN32		PS 1000	
	6	102,0					
	8	127,2	UC / MC-LFC3	DN40			
	10	152,4					
15	4	89,2	UC / MC-LFC2	DN32			
	6	116,2					
	8	143,2	UC / MC-LFC3	DN40			
	10	170,2					
16	4	92,8					
	6	121,6					
	8	150,4					
	10	179,2					
17	4	96,4					
	6	127,0					
	8	157,6					
	10	188,2					
18	4	100,0					
	6	132,4					
	8	164,8					
	10	197,2					
19	4	103,6					
	6	137,8					
	8	172,0					
	10	206,2					
20	4	107,2					
	6	143,2					
	8	179,2					
	10	215,2					
21	4	110,8					
	6	148,6					
	8	186,4					
	10	224,2					
22	4	114,4					
	6	154,0					
	8	193,6					
	10	233,2					
23	4	118,0					
	6	159,4					
	8	200,8					
	10	242,2	UC / MC-LFC4	DN50			
24	4	121,6	UC / MC-LFC3	DN40			
	6	164,8					
	8	208,0					
	10	251,2	UC / MC-LFC4	DN50			

WE = number of residential units / apartments **storage temp.** = Storage temperature

Selection of buffer tanks & Network pumps

Hot water output Logotherm HIU up to: **46 kW - 17 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
25	4	125,2	UC / MC-LFC3	DN40	MeiTronic LFC	PS 1000	PS 500
	6	170,2					
	8	215,2					
	10	260,2	UC / MC-LFC4	DN50			
26	4	128,8	UC / MC-LFC3	DN40			
	6	175,6					
	8	222,4					
	10	269,2	UC / MC-LFC4	DN50			
27	4	132,4	UC / MC-LFC3	DN40			
	6	181,0					
	8	229,6					
	10	278,2	UC / MC-LFC4	DN50			
28	4	136,0	UC / MC-LFC3	DN40			
	6	186,4					
	8	236,8	UC / MC-LFC4	DN50			
	10	287,2					
29	4	139,6	UC / MC-LFC3	DN40			
	6	191,8					
	8	244,0	UC / MC-LFC4	DN50			
	10	296,2					
30	4	143,2	UC / MC-LFC3	DN40			
	6	197,2					
	8	251,2	UC / MC-LFC4	DN50			
	10	305,2					
31	4	146,8	UC / MC-LFC3	DN40			
	6	202,6					
	8	258,4	UC / MC-LFC4	DN50			
	10	314,2					
32	4	150,4	UC / MC-LFC3	DN40			
	6	208,0					
	8	265,6	UC / MC-LFC4	DN50			
	10	323,2					
33	4	154,0	UC / MC-LFC3	DN40			
	6	213,4					
	8	272,8	UC / MC-LFC4	DN50			
	10	332,2					
34	4	157,6	UC / MC-LFC3	DN40			
	6	218,8					
	8	280,0	UC / MC-LFC4	DN50			
	10	341,2					
35	4	161,2					
	6	224,2					
	8	287,2					
	10	350,2					
36	4	164,8					
	6	229,6					
	8	294,4					
	10	360,0					
37	4	168,4					
	6	235,0					
	8	301,6					
	10	370,0	UC / MC-LFC5	DN65			

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Hot water output Logotherm HIU up to: **46 kW - 17 l/min.**
Heating output Logotherm HIU up to: 10kW (with 20K spread)

The diversity factors are designed according to the TU Dresden and are only used for standard residential buildings.
All information must be checked before implementation and, if necessary, adapted to the specific object.

WE	Ø eating capacity Space heating	Heat generator	MeiFlow pump group		DP heating controller	Buffer tank	
				Wall bracket		at 65°C storage temp. & Max. ΔT = 10K	at 75°C storage temp. & Max. ΔT = 20K
		kW	Type	Type	Type	Type	Type
38	4	172,0	UC / MC-LFC4	DN50	MeiTronic LFC	PS 1000	PS 500
	6	240,4					
	8	308,8					
	10	380,0	UC / MC-LFC5	DN65			
39	4	175,6	UC / MC-LFC4	DN50			
	6	245,8					
	8	316,0					
	10	390,0	UC / MC-LFC5	DN65			
40	4	179,2	UC / MC-LFC4	DN50			
	6	251,2					
	8	323,2					
	10	400,0	UC / MC-LFC5	DN65			
41	4	182,8	UC / MC-LFC4	DN50			
	6	256,6					
	8	330,4					
	10	410,0	UC / MC-LFC5	DN65			
42	4	186,4	UC / MC-LFC4	DN50			
	6	262,0					
	8	337,6					
	10	420,0	UC / MC-LFC5	DN65			
43	4	190,0	UC / MC-LFC4	DN50			
	6	267,4					
	8	344,8					
	10	430,0	UC / MC-LFC5	DN65			
44	4	193,6	UC / MC-LFC4	DN50			
	6	272,8					
	8	352,0					
	10	440,0	UC / MC-LFC5	DN65			
45	4	197,2	UC / MC-LFC4	DN50			
	6	278,2					
	8	360,0	UC / MC-LFC5	DN65			
	10	450,0					
46	4	200,8	UC / MC-LFC4	DN50			
	6	283,6					
	8	368,0	UC / MC-LFC5	DN65			
	10	460,0					
47	4	204,4	UC / MC-LFC4	DN50			
	6	289,0					
	8	376,0	UC / MC-LFC5	DN65			
	10	470,0					
48	4	208,0	UC / MC-LFC4	DN50			
	6	294,4					
	8	384,0	UC / MC-LFC5	DN65			
	10	480,0					
49	4	211,6	UC / MC-LFC4	DN50			
	6	299,8					
	8	392,0	UC / MC-LFC5	DN65			
	10	490,0					
50	4	215,2	UC / MC-LFC4	DN50			
	6	305,2					
	8	400,0	UC / MC-LFC5	DN65			
	10	500,0					

WE = number of residential units / apartments **storage temp.** = Storage temperature

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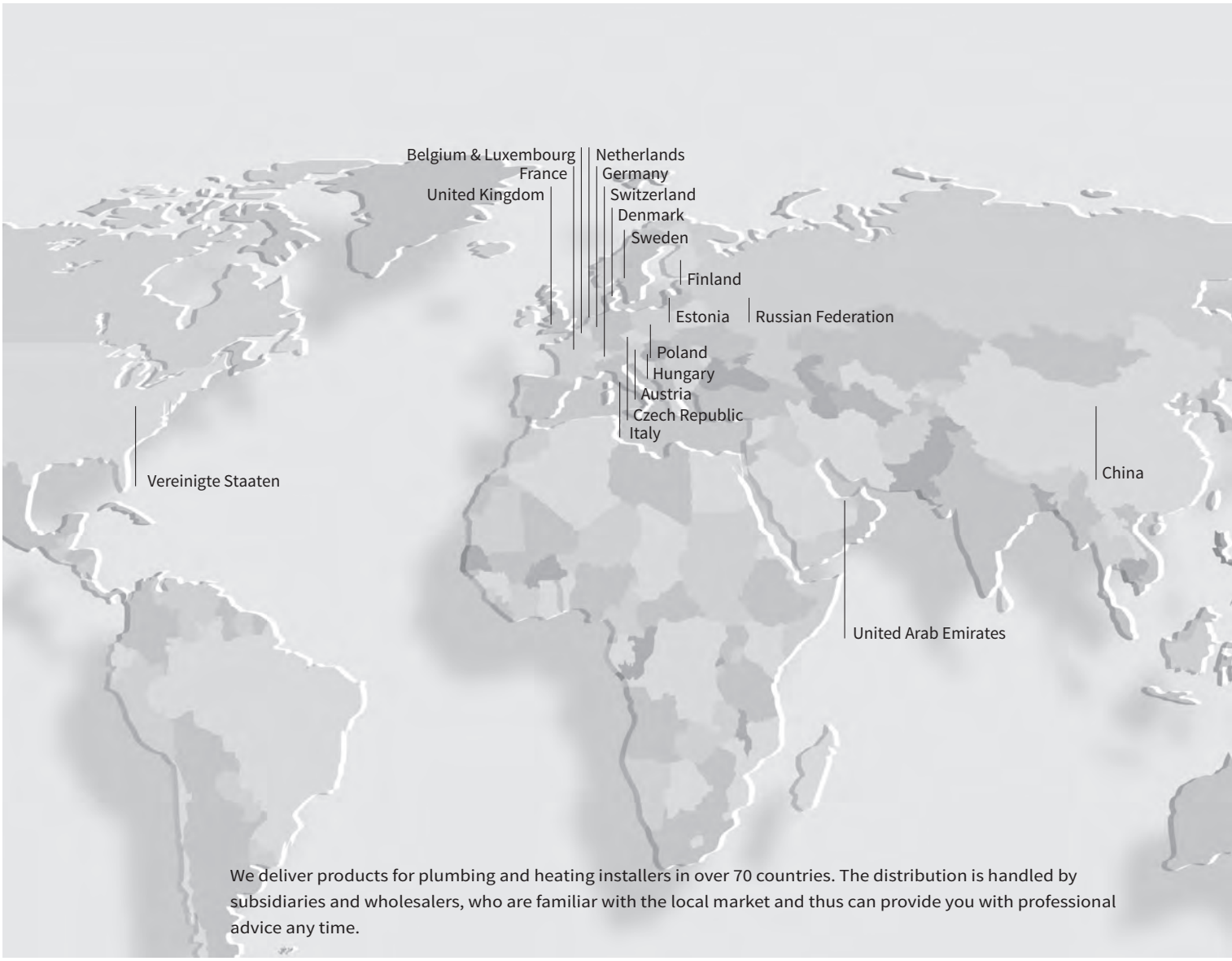

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