

Logotherm

Decentralised Heat Interface Units
Complete Units 50 - Design Guide



Simple, fast and
adequate selection of the:

Appropriate heat interface units...

Appropriate complementary products...

- | One system from a single source for your project
- | Fast and reliable availability as a finished system
- | For connecting to radiators and/or underfloor heating
- | Also a solution for difficult domestic water
- | Available as a **hydraulically** or **electronically** controlled Logotherm unit

meibes

Flow of Innovation



Complete Units 50



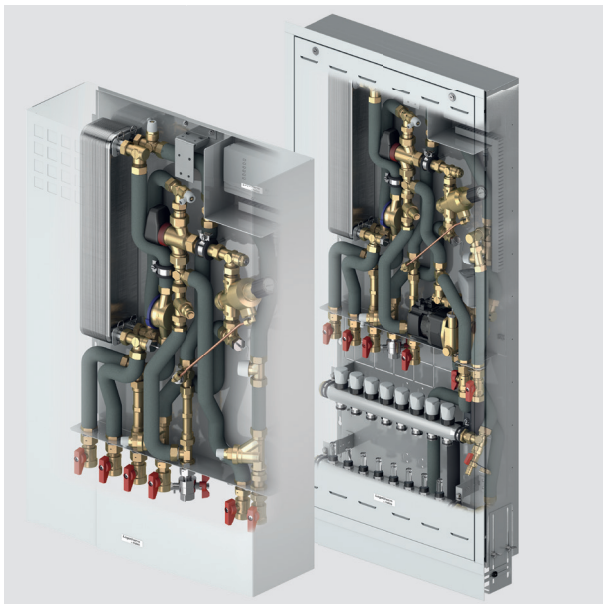
The **Logotherm®** heat interface unit is a compact, plug-and-play unit. It is simply connected to the heating flow and return lines, the cold water line and the hot water. The heat interface unit carries out all the functions associated with an independent heating circuit supply and hot water preparation. Depending on the system and application, the hot water output is designed so that several draw-off points can be supplied at the same time. The hot water is prepared via a plate heat exchanger using the continuous flow principle, which provides **hygienic hot water that complies with the latest hygiene standards** because the hot water is prepared on demand without any hot water being stored in large tanks.

The system demonstrates a number of environmental as well as economic benefits. The system is thermally efficient. Renewable energies, such as solar, are easily integrated.

The **Logotherm®** system is flexible and can be adapted to meet the specific conditions. This means there is a perfectly tailored solution for every requirement - for restoration projects and new builds / as a visible, wall-mounted system, or a practically invisible flush-mounted system.

Ideal for

- | Fitting new residential builds with state-of-the-art technology
- | Complete renovations of heating systems
- | Replacing old gas single-storey heating systems
- | Replacement of individual space heaters



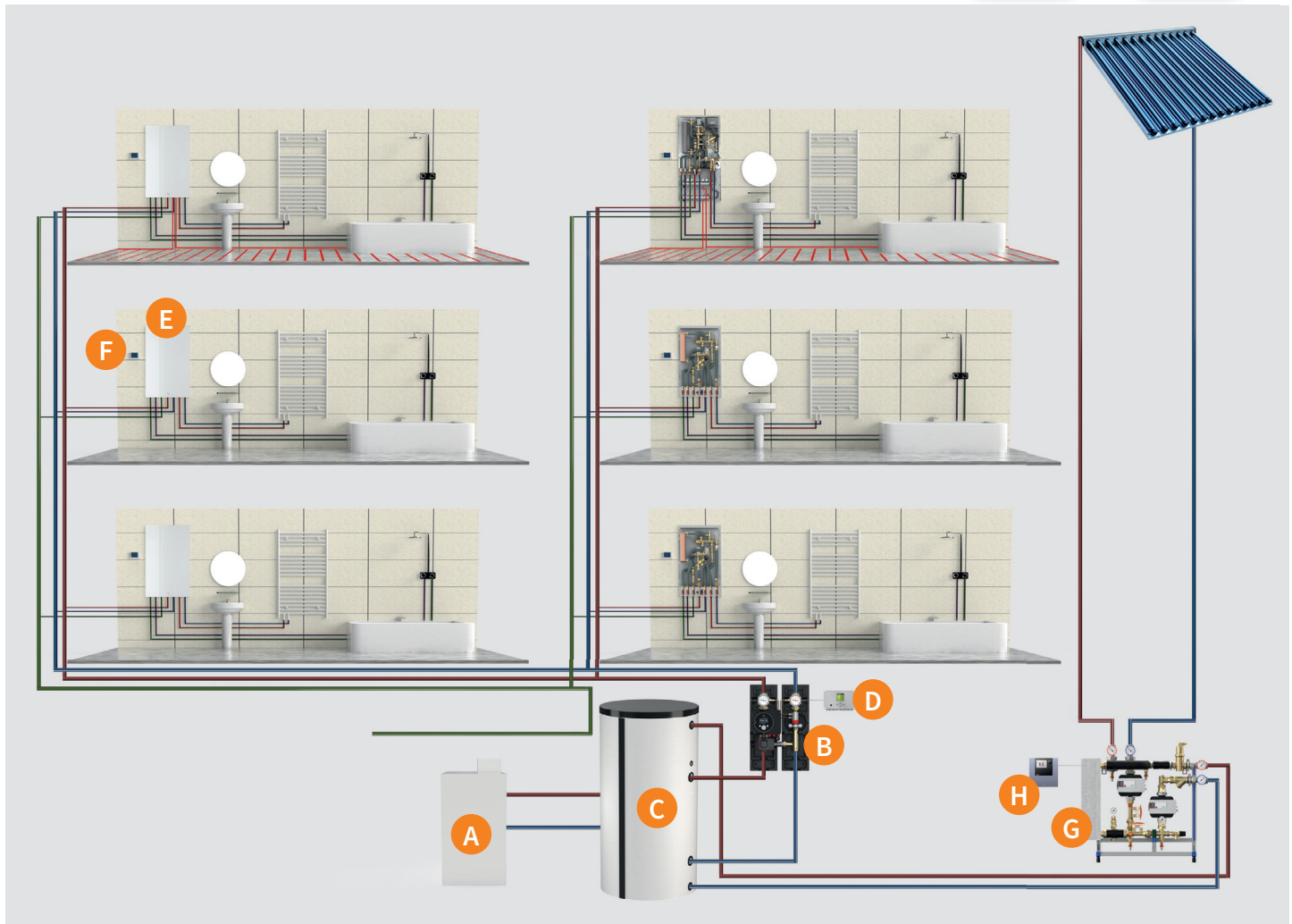
In combination with

- | Local heating networks and CHP supplies (even in combination with renewable energies)
- | Condensing heating systems
- | Solar estates
- | Heat pumps

Key requirements are

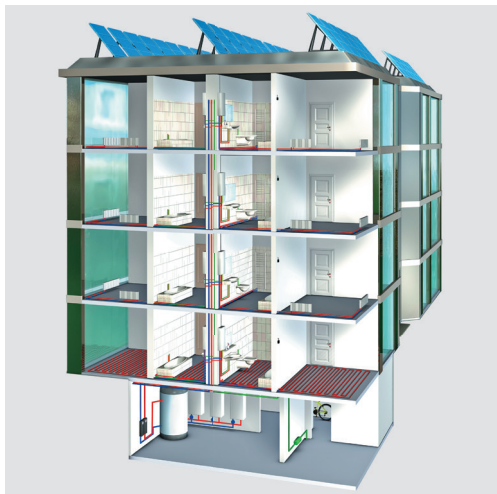
- | A high level of domestic hot water comfort that is hygienically safe according to DVGW worksheet W551
- | Available as wall-mounted and "invisible" flush-mounted variants
- | Can be combined with consumption metering (thermal energy and water) for effective billing per residential unit
- | Can be used for radiator heating systems and/or mixed heating circuits (underfloor heating)
- | Flexible thanks to project-specific and customised configuration options
- | High level of customised comfort
- | Option of simple, customised regulation of the living space heating
- | High level of customer satisfaction
- | The regular application of only one heating flow and return line and cold water feed

I The supply concept



- A Heat generator
- B Meibes pump group (e.g. type LFCH)
- C Meibes buffer tank (e.g. type PS 500 / PS 600)
- D Meibes heating circuit controller (e.g. type LogoFlowControl)
- E Meibes Logotherm® heat interface unit
- F Meibes living space controller (various types available)
- G Meibes solar separation system (e.g. Solar XL / XXL)
- H Meibes solar controller (e.g. PRO version)

I Hydraulically or electronically controlled



LogoComfort 600 Complete Units 50 are systems with proportional volume-controlled heat interface units that can be easily and quickly tailored to the requirements of your specific application.

The hydraulic control system This is controlled by differential pressure using the necessary proportional flow controller (PF controller), which ensures immediate hot water preparation on draw-off thanks to the demand-based regulation of the primary flow rate.

The hydraulic controller: 

- I Operates without additional auxiliary energy (electrical power)
- I Offers priority switching for hot water preparation
- I Is quick and reliable (high control rate)
- I Avoids standby losses in the heat exchanger
- I Uses simple, tried-and-tested technology (established for over 20 years)

LogoMatic Comfort 600 Complete Units 50 are heat interface units with microprocessor- (electronically) regulated controllers that can be easily and quickly tailored to the requirements of your specific application.

This new generation of decentralised heat interface units is microprocessor controlled. The perfect combination of control and valve technology supplies the unit with hot water to the exact degree on demand, irrespective of the actual heating water or cold water temperatures, and automatically adjusts to any changes (e.g. switching from summer to winter operation) and is thus ideal for use with renewable energy systems (e.g. solar integration). **Furthermore, the LogoMatic regulation and control technology is resistant to hard domestic water, because no sensitive mechanical components are installed in the cold water.**

The LogoMatic Comfort 600 and LogoMatic Comfort 600+ (without drinking water circulation) have a shallow installation depth (from 110 mm depending on the unit type).

The integrated control unit, the fast regulating primary control valve with functional display (LEDs) and the hot water temperature sensor located in the medium optimally regulate the hot water temperature in conjunction with the integrated, adaptive priority switching. Efficient network operation is also provided by the continuous regulation of the primary valve and achieves low network return flow temperatures.

The integrated differential pressure regulator ensures automatic hydraulic unit balancing, which, among other things, helps maintain the control quality of the 3-way control valve (result: constant control characteristics, irrespective of the actual primary differential pressure¹).

The LogoMatic contains state-of-the-art technology and, thanks to the pre-adjusted parametrisation of e.g. a hot water output temperature of 50°C², complies with the guidelines of the DVGW.

The electronic control system This operates with a microprocessor-regulated controller, which ensures immediate hot water preparation on draw-off thanks to the temperature-based regulation of the primary flow rate.

The electronic controller: 

- I Can perform various adjustable comfort settings (e.g. weather-controlled heating circuit regulation)
- I Operates with low primary pressures
- I Always regulates the hot water temperature according to a set hot water temperature independently of changes in the cold water and primary temperatures (e.g. summer/winter operation)
- I Offers priority switching for hot water preparation

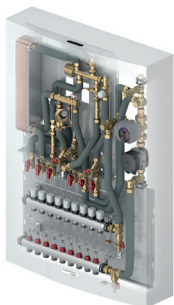
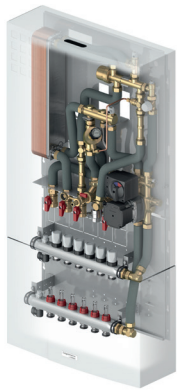
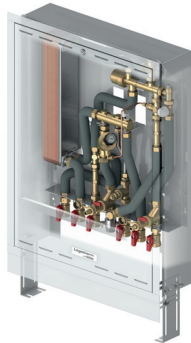
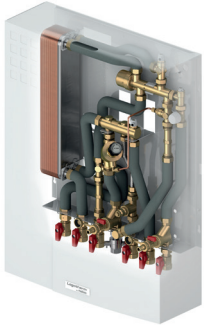
¹ I Minimum differential pressure required

² I Pre-adjusted values can be altered as required by customer service or in the factory

Complete Units 50 - An overview



All LogoComfort Complete Units 50 have a hot water output of up to 50 kW (20 l/min) and a heating output of up to 10 kW with a temperature spread of 20K. All of the Logotherm heat interface units listed are available as standard with a copper-brazed heat exchanger or with a copperbrazed plate heat exchanger (PHE) or with a stainless steelbrazed plate heat exchanger (designation "ES").



Hydraulically controlled

LogoComfort 600 KS 50 RH-AP

- | Connection for a static heating circuit (radiators)
- | As a **wall-mounted** unit with high-quality painted steel housing



LogoComfort 600 KS 50 RH-UP

- | Connection for a static heating circuit (radiators)
- | As a **flush-mounted** unit with high-quality painted steel housing with height-adjustable feet (100-170 mm)



LogoComfort 600+ KS 50 FBH-AP

- | Connection for a mixing circuit (underfloor heating) with 6 outlet pieces and adjustable flow rate limiters
- | As a **wall-mounted** unit with high-quality painted steel housing



LogoComfort 600+ KS 50 FBH-UP

- | Connection for a mixing circuit (underfloor heating) with 6 outlet pieces and adjustable flow rate limiters
- | As a **flush-mounted** unit with high-quality painted steel housing and with height-adjustable feet (100-170 mm)



LogoComfort 600 KS 50 FBH/RH-AP

- | Connection for a mixing circuit (underfloor heating) with 9 outlet pieces and adjustable flow rate limiters as well as an additional static heating circuit (radiators)
- | As a **wall-mounted** unit with high-quality painted steel housing



LogoComfort 600 KS 50 FBH/RH-UP

- | Connection for a mixing circuit (underfloor heating) with 9 outlet pieces and adjustable flow rate limiters as well as an additional static heating circuit (radiators)
- | As a **flush-mounted** unit with high-quality painted steel housing and with height-adjustable feet (100-170 mm)



Complete Units 50 - Configuration



LogoComfort KS Complete Unit 600 / 600+ – design features		LogoComfort KS		
		600 RH	600+ FBH	600 FBH/RH
Dimensions in mm (wall-mounted version - AP)	Width	600	600	850
	Height (total length specification)	800	1,000	1,210
	Depth	210	210	210
Dimensions in mm (flush-mounted version - UP)	Width (dimensions of the front cover, cut-out dimensions are larger)	610	610	845
	Height (dimensions of the front cover, without height-adjustable feet)	835	1,175	1,175
	Depth (adjustable)	175-220	180-220	195-220
Bottom connections		3/4"		
Max. pressure: heating / sanitary		6 bar / PN10		
Max. permissible temperatures: heating / sanitary		110°C / 110°C		
Heating capacity (at 20K)		10 kW		
Static heating circuit		✓	-	✓
Mixer circuit with regulated servomotor, flow line temperature sensor, high-efficiency pump UPM3 AUTO 15-70		-	✓	✓
Underfloor manifold with 6 outlet pieces (3/4" male thread Euro cone, 0.5-5 l/min, 6 bar)		-	✓	-
Underfloor manifold with 9 outlet pieces (3/4" male thread Euro cone, 0.5-5 l/min, 6 bar)		-	-	✓
Stainless steel plate heat exchanger, vertical design to reduce the risk of calcification		✓		
PF controller with priority switching, anti-calcification coating and DVGW approval		✓		
Control valve for heating water (zone valve for connection to living space controller)		✓		
Bleed valve with hose connection on the heating side		✓		
Adaptor (spool piece) for the heat meter 3/4" x 110 mm		✓		
flow restrictor		✓		
Pipework of insulated stainless steel corrugated pipe		✓		
Mounted entirely mechanically tension-free on base plate and inspected		✓		
Strainer with stainless steel sieve insert and drainage function		✓		
Second cold water connection for residential building		✓		
Adaptor (spool piece) for cold water meter 3/4" x 110mm		✓		
Heat retention function of the primary heating-circuit water inlet via an adjustable circulation bridge (35-65°C)		✓		
Differential pressure regulator – balancer (control range 10 – 40 kPa) for autom. hydr. unit balancing		✓		
7 ball valves DN20 with sensor mounting for the heat flow meter Domestic water ball valves - DVGW approved		✓		
Wall-mounted housing of painted steel (RAL 9016)		See designation AP		
Flush-mounted housing of painted steel (RAL 9016)		See designation UP		
Height-adjustable feet (100-170 mm)		See designation UP		

LogoComfort KS Complete Units		PHE	Type of assembly	Hot water output		Art-No.
		CU/ES	AP/UP	l/min	kW	
600 RH-AP	Static heating circuit (RH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104 HKAP
600 RH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104 HKUP
600+ FBH-AP	Mixing circuit with 6 manifolds (underfloor - FBH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104.6 MKAP
600+ FBH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104.6 MKUP
600 FBH/RH-AP	Mixing circuit with 9 manifolds (underfloor - FBH) and 1 static heating circuit (RH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104.9 MKAP
600 FBH/RH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104.9 MKUP
600 RH-AP ES	Static heating circuit (RH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104 HKAPES
600 RH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104 HKUPES
600+ FBH-AP ES	Mixing circuit with 6 manifolds (underfloor - FBH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104.6 MKAPES
600+ FBH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104.6 MKUPES
600 FBH/RH-AP ES	Mixing circuit with 9 manifolds (underfloor - FBH) and 1 static heating circuit (RH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11104.9 MKAPES
600 FBH/RH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11104.9 MKUPES

1 | Defined by a primary flow temperature of 65°C and heating of 40K

2 | Defined by a primary flow temperature of 65°C and heating of 35K

Heat exchangers (PHE) that are copper-brazed can be used up to a conductivity of 500 µS/cm, while stainless-steel-brazed heat exchangers are not subject to any restrictions (in terms of the specifications for conductivity in the current Drinking Water Ordinance).

Complete Units 50 - An overview



All LogoMatic Comfort Complete Units 50 have a hot water output of up to 50 kW (20 l/min) and a heating output of up to 10 kW with a temperature spread of 20K. All of the Logotherm heat interface units listed are available as standard with a copper-brazed plate heat exchanger (PHE) or with a stainless steelbrazed plate heat exchanger (designation "ES").

Electronically controlled



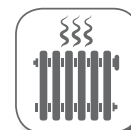
LogoMatic Comfort 600 KS 50 RH-AP

- Connection for a static heating circuit (radiators)
- As a **wall-mounted** unit with high-quality painted steel housing



LogoMatic Comfort 600 KS 50 RH-UP

- Connection for a static heating circuit (radiators)
- As a **flush-mounted** unit with high-quality painted steel housing with height-adjustable feet (100-170 mm)



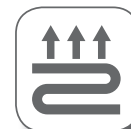
LogoMatic Comfort 600+ KS 50 FBH-AP

- Connection for a mixing circuit (underfloor heating) with 6 outlet pieces and adjustable flow rate limiters
- As a **wall-mounted** unit with high-quality painted steel housing



LogoMatic Comfort 600+ KS 50 FBH-UP

- Connection for a mixing circuit (underfloor heating) with 6 outlet pieces and adjustable flow rate limiters
- As a **flush-mounted** unit with high-quality painted steel housing and with height-adjustable feet (100-170 mm)



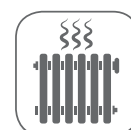
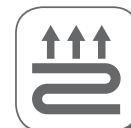
LogoMatic Comfort 600 KS 50 FBH/RH-AP

- Connection for a mixing circuit (underfloor heating) with 8 outlet pieces and adjustable flow rate limiters as well as an additional static heating circuit (radiators)
- As a **wall-mounted** unit with high-quality painted steel housing



LogoMatic Comfort 600 KS 50 FBH/RH-UP

- Connection for a mixing circuit (underfloor heating) with 8 outlet pieces and adjustable flow rate limiters as well as an additional static heating circuit (radiators)
- As a **flush-mounted** unit with high-quality painted steel housing and with height-adjustable feet (100-170 mm)



Complete Units 50 - Configuration



LogoMatic KS Complete Unit 600 / 600+ – design features		LogoMatic KS		
		600 RH	600+ FBH	600+ FBH/RH
Dimensions in mm (wall-mounted version - AP)	Width	600	600	600
	Height (total length specification)	900	1,300	1,300
	Depth	210	210	210
Dimensions in mm (flush-mounted version - UP)	Width (dimensions of the front cover, cut-out dimensions are larger)	610	610	610
	Height (dimensions of the front cover, without height-adjustable feet)	953	1,327	1,327
	Depth (adjustable)	110-160	160-210	160-210
Bottom connections		¾"		
Max. pressure: heating / sanitary		6 bar / PN10		
Max. permissible temperatures: heating / sanitary		95°C / 95°C		
Heating capacity (at 20K)		10 kW		
Supply voltage		230 V / 50 Hz		
Min. operating pressure (sanitary)		1 bar		
Max. differential pressure of the heating system (primary)		4.5 bar		
Pre-adjusted hot water draw-off temperature (recommendation of DVGW W551)		50°C ³		
Static heating circuit (st. HK)		✓	-	✓
Mixer circuit with servomotor and high-efficiency pump UPM3 AUTO 15-70 GMBP3 (MK)		-	✓	✓
Underfloor manifold with 6 outlet pieces (¾" male thread Euro cone, 0.5-5 l/min, 6 bar)		-	✓	-
Underfloor manifold with 8 outlet pieces (¾" male thread Euro cone, 0.5-5 l/min, 6 bar)		-	-	✓
Stainless steel plate heat exchanger, vertical design to reduce the risk of calcification		✓		
Electronic, fast and continuously regulating three-way control valve with regulated adaptive priority switching for hot water and functional display (LEDs)		✓		
Constant hot water outlet temperature, even with changing primary temperatures (e.g. summer/winter operation) or cold water temperatures		✓		
Low return line temperatures resulting from the electronic regulation of the primary energy feed		✓		
Weather-controlled heating circuit controller (optional: an active outside sensor that can be used for several units)		-		✓
Microprocessor controller		✓		
Flow meter for exact volume-based hot water preparation		✓		
Control valve for heating water (zone valve for connection to living space controller)		✓		
Bleed valve with hose connection on the heating side		✓		
Adaptor (spool piece) for the heat meter ¾" x 110 mm		✓		
flow restrictor		✓		
Pipework of insulated stainless steel corrugated pipe		✓		
Mounted entirely mechanically tension-free on base plate and inspected		✓		
Strainer with stainless steel sieve insert and drainage function		✓		
Second cold water connection for residential building		✓		
Adaptor (spool piece) for cold water meter ¾" x 110mm		✓		
Heat retention function of the primary heating-circuit water inlet via an adjustable circulation bridge (35-65°C)		✓		
Differential pressure regulator – balancer (control range 10 – 40 kPa) for autom. hydr. unit balancing		✓		
7 ball valves DN20 with sensor mounting for the heat flow meter Domestic water ball valves - DVGW approved		✓		
Wall-mounted housing of painted steel (RAL 9016)		See designation AP		
Flush-mounted housing of painted steel (RAL 9016)		See designation UP		
Height-adjustable feet (100-170 mm)		See designation UP		

LogoMatic KS Complete Units		PHE	Type of assembly	Hot water output		Art-No.
		CU/ES	AP/UP	l/min	kW	
600 RH-AP	Static heating circuit (RH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114 HKAP
600 RH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114 HKUP
600+ FBH-AP	Mixing circuit with 6 manifolds (underfloor - FBH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114.6 MKAP
600+ FBH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114.6 MKUP
600+ FBH/RH-AP	Mixing circuit with 8 manifolds (underfloor - FBH) and 1 static heating circuit (RH)	CU	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114.8 MKAP
600+ FBH/RH-UP		CU	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114.8 MKUP
600 RH-AP ES	Static heating circuit (RH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114 HKAPES
600 RH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114 HKUPES
600+ FBH-AP ES	Mixing circuit with 6 manifolds (underfloor - FBH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114.6 MKAPES
600+ FBH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114.6 MKUPES
600+ FBH/RH-AP ES	Mixing circuit with 8 manifolds (underfloor - FBH) and 1 static heating circuit (RH)	ES	AP	17 ¹ -20 ²	46 ¹ -50 ²	11114.8 MKAPES
600+ FBH/RH-UP ES		ES	UP	17 ¹ -20 ²	46 ¹ -50 ²	11114.8 MKUPES

- Defined by a primary flow temperature of 65°C and heating of 40K
- Defined by a primary flow temperature of 65°C and heating of 35K
- Pre-adjustment values can be altered as required as factory setting or by customer service.

Heat exchangers (PHE) that are copper-brazed can be used up to a conductivity of 500 µS/cm, while stainless-steel-brazed heat exchangers are not subject to any restrictions (in terms of the specifications for conductivity in the current Drinking Water Ordinance).

Design of buffer tanks and network pumps

Basic criteria for design / calculation

Hot water output	: 46 kW - 17 l/min	Heating capacity max.	: 10 kW
Cold water temperature	: 10°C	Hot water draw-off temperature	: 50°C
Hot water heating by	: 40K	Flow line temperature - primary	: 65°C
Critical draw-off duration	: 5 min	Heat source activation time	: 3 min
Buffer tank recharging time	: 10 min	Free heating capacity in building	: 10%

The simultaneity factors are designed according to TU Dresden and must only be used for standard residential buildings. All of the specifications are intended to facilitate the design process and must be checked before implementation.

Number of units	Ø Heating capacity / space heating in kW	Recommendations			Controller	Mounting	
		Heat generator	Buffer tank				Pump group
		kW	Litres*	Type			Type
2	2	21.2	386.2	PS 500	LFCH-M (H1S)	Included	Wall bracket up to DN32
	4	24.8					
	6	28.4					
3	2	23.0					
	4	28.4					
	6	33.8					
4	2	33.6	579.3	PS 600	LFCH2 or LFCH-M2	LFCH/LFCH-M	Wall bracket up to DN32
	4	40.8					
	6	48.0					
5	2	35.2					
	4	44.4					
	6	53.4					
6	2	37.2					
	4	48.0					
	6	58.8					
7	2	39.0					
	4	51.6					
	6	64.2					
8	2	40.8					
	4	55.2					
	6	69.6					
9	2	42.6					
	4	58.8					
	6	75.0					
10	2	44.4					
	4	62.4					
	6	80.4					

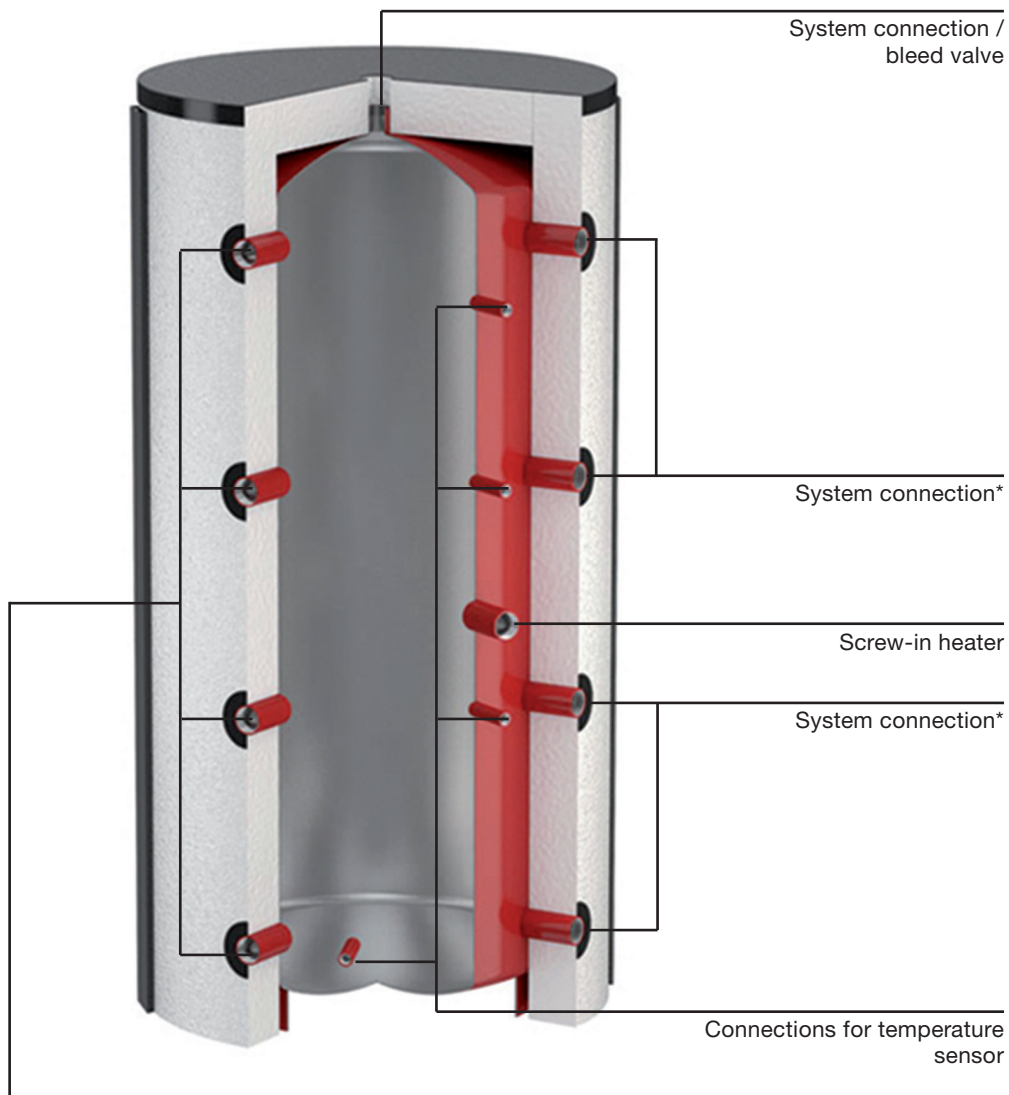
Article number per article			Reference
Buffer tank	Type:	PS 500	Storage volume 500 litres
	Art-No.	10010.0105	
Insulation for buffer tank 500 litres	Art-No.	10010.5005	
Buffer tank	Type:	PS 600	Storage volume 600 litres
	Art-No.	10010.0106	
Insulation for buffer tank 600 litres	Art-No.	10010.5006	
Pump group with heating circuit controller	Type:	LFCH-M (H1S)	The heating circuit controller type LogoFlowControl is included
	Art-No.	66834 H1S	
Pump group, unmixed	Type:	LFCH-2	
	Art-No.	66814.2 H	
Pump group, mixed	Type:	LFCH-M2	For use with erratic primary temperatures or heat generators with high temperatures (e.g. solar)
	Art-No.	66834.1 H	
Heating circuit controller type LogoFlowControl	Type:	LFCH/LFCH-M	For unmixed and mixed applications
	Art-No.	10575.303	
Control set with differential pressure sensors temperature sensor	Type:	Control set	For unmixed and mixed applications
	Art-No.	10575.304	

* Designed required storage volume

I Complete Units 50 - Heating system components

Buffer tanks PS 500 and PS 600

These can be used in all enclosed hot water heating systems and have a robust, installation-friendly design. They are fitted 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 permissible positive operating pressure is 3 bar (buffer tank with max. pressure loads up to 6 bar are available on request); the permissible operating temperature is 95°C. The thermal insulation is 100 mm fleece insulation with a polystyrene top layer, forming an installation-friendly kit.

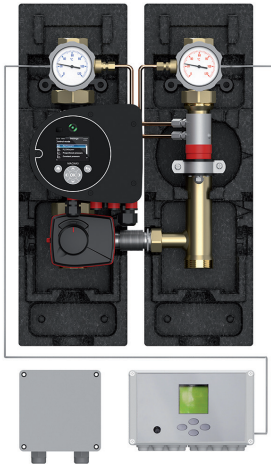


*) System connection:
Flow and return line connections
according to the individual
system configuration.

Type	Content in litres	Diameter without insulation in mm	Height without insulation in mm	Tilted dimension without insulation in mm
PS 500	500	650	1650	1700
PS 600	600	650	2050	2100

Complete Units 50 - Heating system components

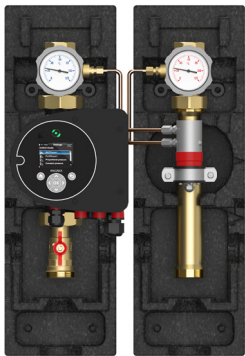
Pump groups / controllers



LFCH-M (H1S) pump group with controller with fast mixer & Magna 32 - 60 for small Logotherm systems

This is a pre-assembled and insulated pump group with integrated LFCH-M controller for improved control of network dynamics in small systems with high tank temperatures (e.g. with solar charging) including directly immersed temperature sensors in the flow line ball valve for rapid reaction.

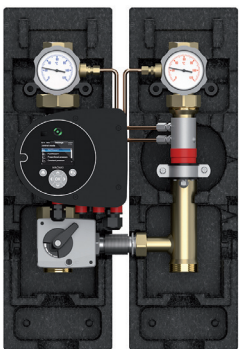
A fast and constant 3-way mixer with 15 sec. running time and Grundfos Magna 3 (32-60) pump are included. Each of the connections at the top are 1 1/2" female thread, flat sealing, and at the bottom 1 1/2" male thread, flat sealing. In addition to the controller, the 24-V power supply unit and the sensors are also included.



LFCH-2 pump group with an unmixed heating circuit - without controller

This is a pre-assembled and insulated LFCH pump group with a Grundfos Magna 3 (32-100) for heating circuit regulation, including flow line and return line sensor and differential pressure sensor.

The bottom outlet piece is 1 1/2" male thread, flat sealing, and the top outlet piece 1 1/4" (DN32) female thread. Please also order the pump control system (LogoFlowControl) and corresponding union fittings for the upper and lower connection.



LFCH-M2 pump group with a mixed heating circuit - without controller

This is a pre-assembled and insulated LFCH pump group with a Grundfos Magna 3 (32-100) for heating circuit regulation with three-way mixer and including flow line and return line sensor and differential pressure sensor.

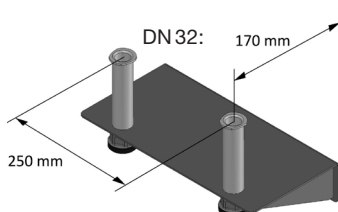
The bottom outlet piece is 1 1/2" male thread, flat sealing, and the top outlet piece 1 1/4" (DN32) female thread. Please also order the pump control system (LogoFlowControl) and corresponding union fittings for the upper and lower connection.

For use with e.g. erratic primary temperatures or heat generators with high temperatures (e.g. solar).



LogoFlowControl H / LogoFlowControl H-M

Individual controller for regulating a heating circuit pump / mixer.
For use with the pump groups with unmixed or mixed heating circuit.



Wall bracket for unmixed LFCH-2 or mixed LFCH-M2 pump groups.

Complete Units 50 - Ordering options



Quantity	Art-No.	Designation	Heating connection	Housing	Controller	
Logocomfort 600 Complete Units 50						
	Unit	11104 HKAP	LogoComfort 600 KS 50 RH -AP	Radiators (RH)	Hydraulic	
	Unit	11104.6 MKAP	LogoComfort 600+ KS 50 FBH-AP	6-way FBH manifold		
	Unit	11104.9 MKAP	LogoComfort 600 KS 50 FBH/RH-AP	9-way FBH + 1 RH		
	Unit	11104 HKUP	LogoComfort 600 KS 50 RH-UP	Radiators		
	Unit	11104.6 MKUP	LogoComfort 600+ KS 50 FBH-UP	6-way FBH manifold		
	Unit	11104.9 MKUP	LogoComfort 600 KS 50 FBH/RH-UP	9-way FBH + 1 RH		
LogoComfort 600 Complete Units 50 stainless steel brazed PHE						
	Unit	11104 HKAPES	LogoComfort 600 KS 50 RH -AP	Radiators (RH)	Hydraulic	
	Unit	11104.6 MKAPES	LogoComfort 600+ KS 50 FBH-AP	6-way FBH manifold		
	Unit	11104.9 MKAPES	LogoComfort 600 KS 50 FBH/RH-AP	9-way FBH + 1 RH		
	Unit	11104 HKUPES	LogoComfort 600 KS 50 RH-UP	Radiators		
	Unit	11104.6 MKUPES	LogoComfort 600+ KS 50 FBH-UP	6-way FBH manifold		
	Unit	11104.9 MKUPES	LogoComfort 600 KS 50 FBH/RH-UP	9-way FBH + 1 RH		
LogoMatic 600 Complete Units 50						
	Unit	11114 HKAP	LogoMatic 600 KS 50 RH-AP	Radiators (RH)	Electronic	
	Unit	11114.6 MKAP	LogoMatic 600+ KS 50 FBH-AP	6-way FBH manifold		
	Unit	11114.8 MKAP	LogoMatic 600+ KS 50 FBH-AP	8-way FBH + 1 RH		
	Unit	11114 HKUP	LogoMatic 600 KS 50 RH-UP	Radiators (RH)		
	Unit	11114.6 MKUP	LogoMatic 600+ KS 50 FBH-UP	6-way FBH manifold		
	Unit	11114.8 MKUP	LogoMatic 600+ KS 50 FBH-UP	8-way FBH + 1 RH		
LogoMatic 600 Complete Units 50 stainless steel brazed PHE						
	Unit	11114 HKAPES	LogoMatic 600 KS 50 RH-AP	Radiators (RH)	Electronic	
	Unit	11114.6 MKAPES	LogoMatic 600+ KS 50 FBH-AP	6-way FBH manifold		
	Unit	11114.8 MKAPES	LogoMatic 600+ KS 50 FBH-AP	8-way FBH + 1 RH		
	Unit	11114 HKUPES	LogoMatic 600 KS 50 RH-UP	Radiators		
	Unit	11114.6 MKUPES	LogoMatic 600+ KS 50 FBH-UP	6-way FBH manifold		
	Unit	11114.8 MKUPES	LogoMatic 600+ KS 50 FBH-UP	8-way FBH + 1 RH		
Buffer tank						
	Unit	10010.0105	PS 500 buffer tank	Order together		
	Unit	10010.5005	Insulation, white, for 500-litre tank			
	Unit	10010.0106	PS 600 buffer tank	Order together		
	Unit	10010.5006	Insulation, white, for 600-litre tank			
Complementary products						
	Unit	66834 H1S	Pump group LFCH-M (H1S), WITH MAGNA 3 32-60	With mixing circuit		Incl. LFCH controller
	Unit	66814.2 H	Pump group LFCH 2, with MAGNA 3 32-100	Without mixing circuit	Without LFCH controller	
	Unit	66834.1 H	Pump group LFCH-M 2, M. MAGNA 3 32-100	With mixing circuit	Without LFCH controller	
	Unit	10575.303	Heating circuit controller type LogoFlowControl LFCH/LFCH-M	Order together		
	Unit	16335.61	Wall bracket for pump group			

Information regarding the use of heat exchangers:

Before using our products, they must be checked regarding their suitability for the respective planned application. Please bear in mind the water quality at the installation location, particularly when used for domestic water applications. In the case of critical domestic water qualities, please take suitable measures where necessary (e.g. water treatment) in order to prevent functional impairment and/or damage, e.g. corrosion damage. In particular, please check the permissible limit values, e.g. electrical conductivity, the pH value, the German hardness level and the ammonium concentration. Further information can be found in the download section of www.meibes.de.

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The illustrations in this brochure are symbolic and may deviate from the respective product.
Subject to errors and technical modifications.