



LK Armatur

News & Applications



Solar
Heating



Heat
Pump



Water
Heating



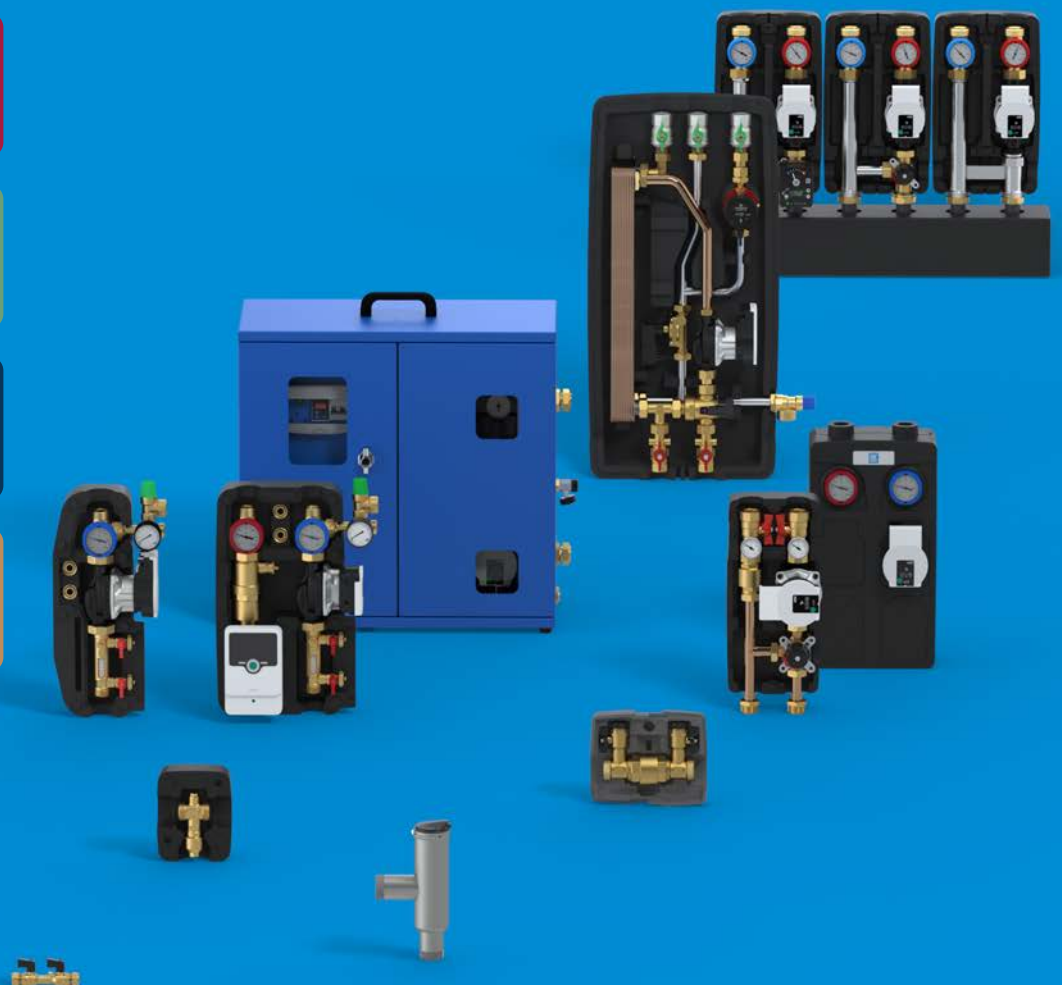
Biofuel



District
Heating



Underfloor
Heating



2025

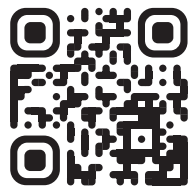
Easy to Choose

At LK Armatur, we specialise in high-quality hydronic solutions that make your job easier at every step. With 40 years of experience, we combine Swedish craftsmanship with innovative design to create reliable products that are easy to choose, simple to install, and built to last. Whether you're an OEM, distributor, or installer, we offer the support and expertise you need to succeed, backed by a commitment to sustainability and customer-focused service.



Easy to Choose

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Find specifications, dimensions, assembly guides and more.



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Quickly find contact info to get in touch with us.



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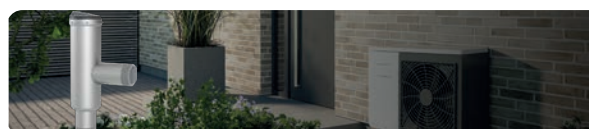
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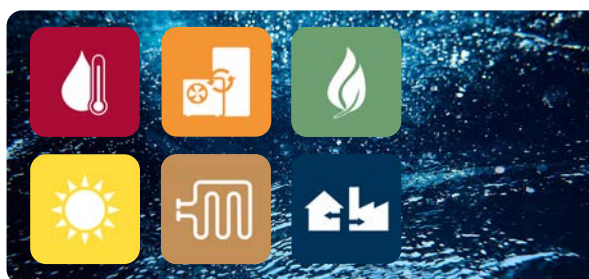
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LK Armatur - Your Partner for Heating and Hot Water Solutions

At LK Armatur, we're more than just a valve manufacturer; we're your partner in creating efficient heating and hot water solutions. With millions of valves produced annually, we understand how every component interacts in your unique applications. From standard products to custom solutions in Valves, Electronic Heat Regulation, Prefabrication, and Accessories, we're here to meet your specific needs. Our focus on energy efficiency and environmental responsibility helps you address the challenges of energy shortages and climate change. Choose LK Armatur for quality, customization, and reliability in every project.



More than one heating system in your property?

With our wide range, we can ensure correct pump group for your specific need.

If you've more than one heating system in your property, you can easily connect up to five different pump groups. Our pump groups can easily be placed individually and in a group of up to five units. With our electronic controller, SmartComfort, installed on the pump group, the system will be provided with the exact amount of heat required in the building at any given time. You can easily read the temperature on the integrated thermometers.

- All in one
- Easy to install
- Easy to combine with electronic regulation

Choose according to your needs:

LK 860 - MANIFOLD

LK 861 - DIRECT SUPPLY

LK 862 - MIXED SUPPLY

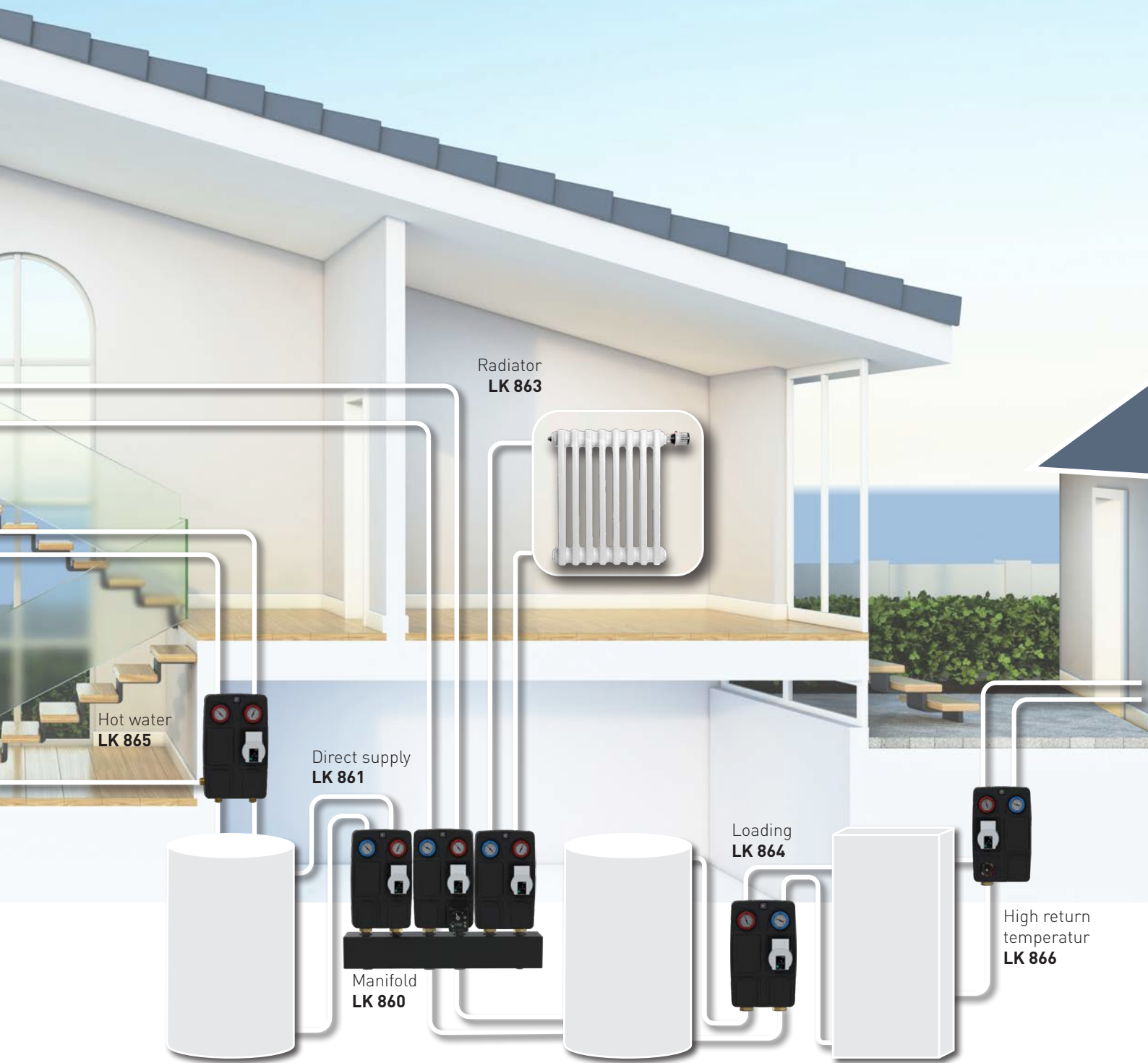
Three-way mixing valve is included.

LK 863 - MIXED SUPPLY

Thermic mixing valve, LK 551 HydroMix, is included.

LK 864 - LOADING UNIT

Thermic loading valve LK 823 ThermoVar® is included to ensure both an optimal temperature stratification in the accumulator tank and a high return temperature to the boiler, which increases the system's efficiency.



LK 865 - COMPLETE UNIT FOR HOT WATER CIRCULATION

Thermic mixing valve LK 551 HydroMix HWC is included.

LK 866 - HIGH RETURN TEMPERATUR

A four way mixing valve LK 841 ThermoMix® is included. Designed for heating systems where a high return temperature is required to prevent corrosion and thus extend the life length of the heat source.

LK 867 - FOR TWO HEATING UNITS

A bivalent mixing valve LK 830 ThermoMix® is included. Designed for heating systems, where energy is taken from two heating units connected in series or parallel or for storage tank systems where energy is extracted from two levels.



LK HydronicGroup C/C 125

The primary and secondary valves are designed with external 1½" and internal 1" threads for easy and quick installation

Integrated check valve to prevent self-circulation

Ball valves with thermometer

Easy to supplement with suitable electronic controller

The mixing valve functions as a shut-off valve in the event of pump replacement

Allows for easy installation of up to five pump groups

Manifold available with or without hydraulic separator

Efficient, versatile, and easy to install, **LK HydronicGroup C/C 125** meets all your heating needs. Featuring a pump, insulation, two ball valves with a thermometer, and a wall mounting bracket, it's a complete package for direct or mixed supply heating systems. Pictured is the **LK 862 R** pump group, which includes a three-way mixing valve. The **LK 860** manifold supports up to five pump groups and includes a mounting bracket, allowing flexible integration of different groups in the same system.



Pump Groups



LK HydronicGroup C/C 125

- All in one
- Easy to install
- Easy to combine with electronic regulation

TECHNICAL DATA

Voltage	230 VAC 50/60 Hz
Power consumption	10-75 W, depending on pump speed
Max. working pressure	1.0 MPa (10 bar)
Working temperature	Min. 5 °C/Max. 95 °C
Ambient temperature	Min. 5 °C/Max. 58 °C
Thread standard	Rp - female thread, G - male thread
Media	Water - Glycol mixture max. 50%
Circulating pump	Wilo Para 15-130/8-75/SC-9, Wilo Para 25-180/6-43/SC-12, Wilo Para 25-180/8-75/SC-12, Wilo Para zKu 15-130/8 SC
Material valve body	Brass EN 12165 CW617N
Material insulation	Expanded Polypropylene EPP

LK HydronicGroup is a complete pump group that is suitable for heating where direct supply or mixed supply is desirable. Consists of a highly efficient circulation pump, insulation, wall mounting bracket and two ball valves with thermometer, on the return side there is an integrated check valve.

LK 860 manifold available with or without hydraulic separator for one, two, three, four and five pump groups. Wall mounting bracket are included with the manifold.

LK 861 pump group where direct supply is desired.

LK 862 pump group where mixed supply is desired, a three-way mixing valve is included.

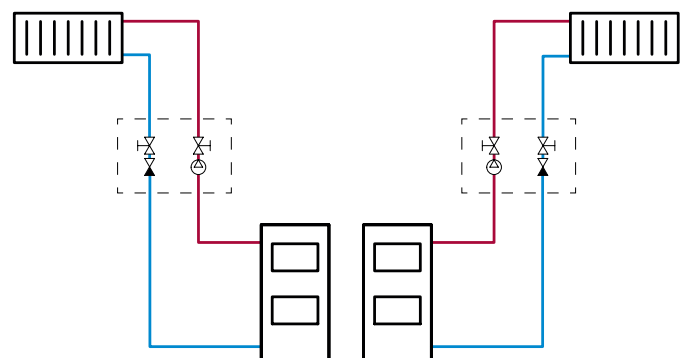
LK 863 pump group where mixed supply is desired, a thermic mixing valve is included. The LK 551 HydroMix has a thermostatic element that regulates the supply and return to achieve the desired supply temperature.

-LK 864 pump group with a thermic loading valve LK 823 ThermoVar®. The pump group is intended to ensure both an optimal temperature stratification in the storage tank and high return temperature to the boiler, thus increasing the efficiency of the system.

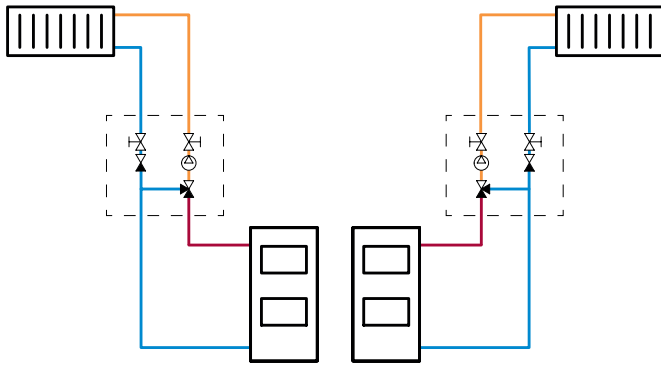
LK 865 is a complete unit for hot water circulation. Consists of a mixing valve, cross, circulation pump, insulation, connection kit and three check valves. The LK 551 HydroMix mixing valve has a thermostatic element that regulates the supply of both cold and hot water to the desired temperature. The valve has an anti-scald function that closes for incoming hot water if the cold water supply ceases.

LK 866 is a pump group with a four way mixing valve, LK 841 ThermoMix®. The pumpgroup is designed for heating systems where a high return temperature is required to prevent corrosion and thus extend the life length of the heat source.

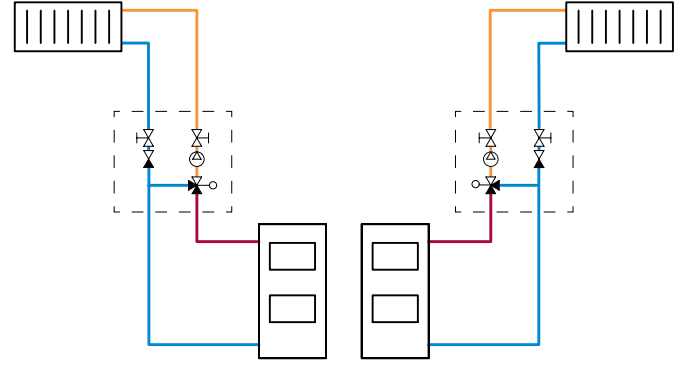
LK 867 is a pump group with a four way mixing valve, LK 830 ThermoMix® B. The pump group has a 4-way bivalent mixing valve that is designed for heating systems, where energy is taken from two heating units connected in series or parallel or for storage tank systems where energy is extracted from two levels. The pump group should be equipped with an automatic control unit to ensure that the most favourable heat source is prioritised at all times.



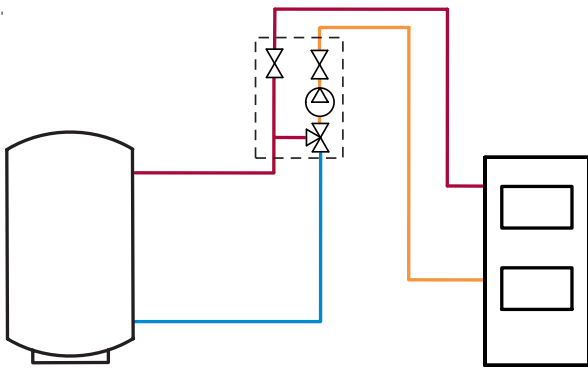
LK 861 - Pump group where direct supply is desired.



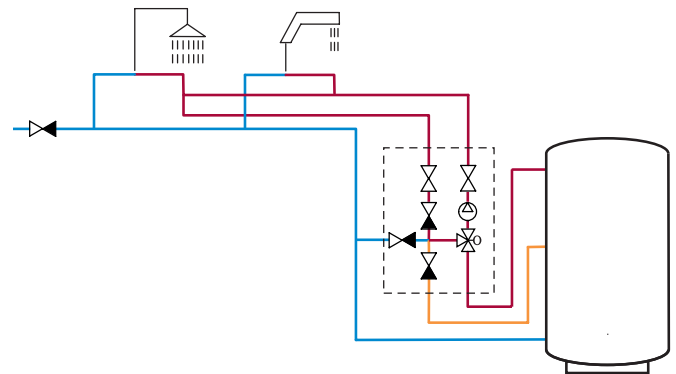
LK 862 - Pump group where mixed supply is desired, a three-way mixing valve is included.



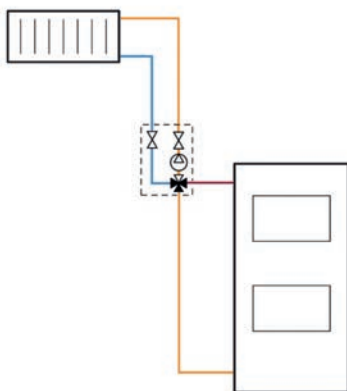
LK 863 - Pump group where mixed supply is desired, a thermic mixing valve is included. The LK 551 HydroMix has a thermostatic element that regulates the supply and return to achieve the desired supply temperature.



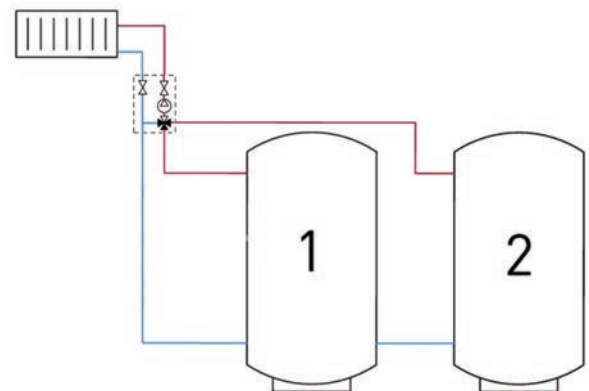
LK 864 - Pump group with a thermic loading valve LK 823 ThermoVar®. The pump group is intended to ensure both an optimal temperature stratification in the storage tank and high return temperature to the boiler, thus increasing the efficiency of the system.



LK 865 - Complete unit for hot water circulation. Consists of a mixing valve, cross, circulation pump, insulation, connection kit and three check valves. The LK 551 HydroMix mixing valve has a thermostatic element that regulates the supply of both cold and hot water to the desired temperature. The valve has an anti-scald function that closes for incoming hot water if the cold water supply ceases.



LK 866 - Pump group with a four way mixing valve, LK 841 Thermo-Mix®. The pumpgroup is designed for heating systems where a high return temperature is required to prevent corrosion and thus extend the life length of the heat source.



LK 867 - Pump group with a four way mixing valve, LK 830 Thermo-Mix® B. The pump group has a 4-way bivalent mixing valve that is designed for heating systems, where energy is taken from two heating units connected in series or parallel or for storage tank systems where energy is extracted from two levels. The pump group should be equipped with an automatic control unit to ensure that the most favourable heat source is prioritised at all times.

Pump Groups



LK HydronicGroup C/C 90

- All in one
- Easy to install
- Easy to combine with electronic regulation

TECHNICAL DATA

Voltage	230 VAC 50/60 Hz
Power consumption	10-75 W, depending on pump speed
Leakage	< 0,2% of Kvs at 100 kPa
Max. working pressure	1.0 MPa (10 bar)
Working temperature	Min. 5 °C/Max. 100 °C
Ambient temperature	Min. 5 °C/Max. 58 °C
Thread standard	Rp - female thread, G - male thread (F1"x M1")
Media	Wilo: Water - Glycol mixture max. 50%
Media 2	Taco: Water - Glycol mixture max. 30%
Circulating pump	Wilo Para 15-130/8-75/SC-9, Taco ES2C 15-70-130
Material, valve body	Brass EN 12165 CW617N
Material, insulation	Expanded Polypropylene EPP

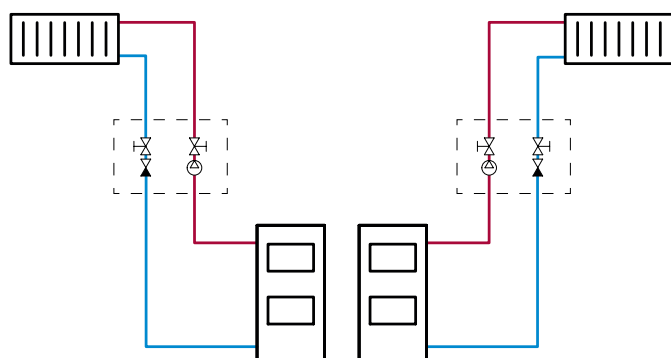
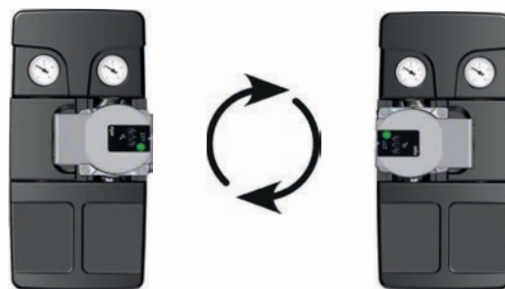
LK HydronicGroup is a complete pump group that is suitable for heating systems where direct supply or mixed supply is desirable.

LK HydronicGroup comprises a high efficient circulation pump, insulation, wall mounting bracket and two ball valves with thermometer. In the model where mixed supply is desired, a three-way mixing valve is included.

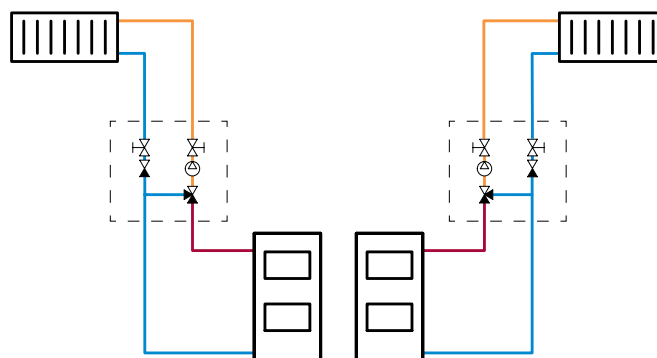
A manifold for two, optionally three, pump groups is available as an accessory, see accessories and spare parts. Wall mounting bracket is not included with manifold, it must be ordered separately, see accessories and spare parts.

LK 861 RIGHT

LK 861 LEFT

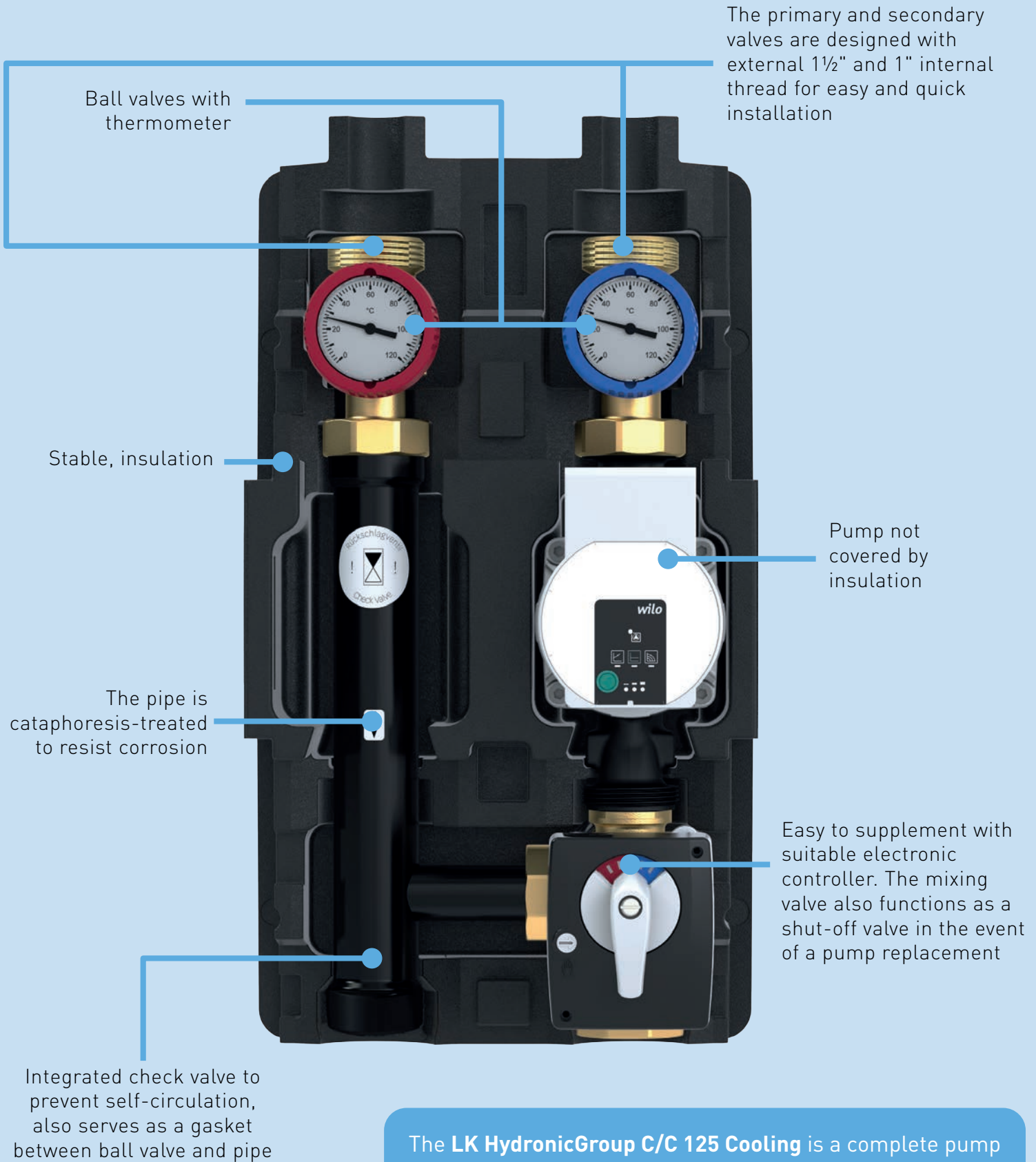


LK 861 - Pump group with direct supply



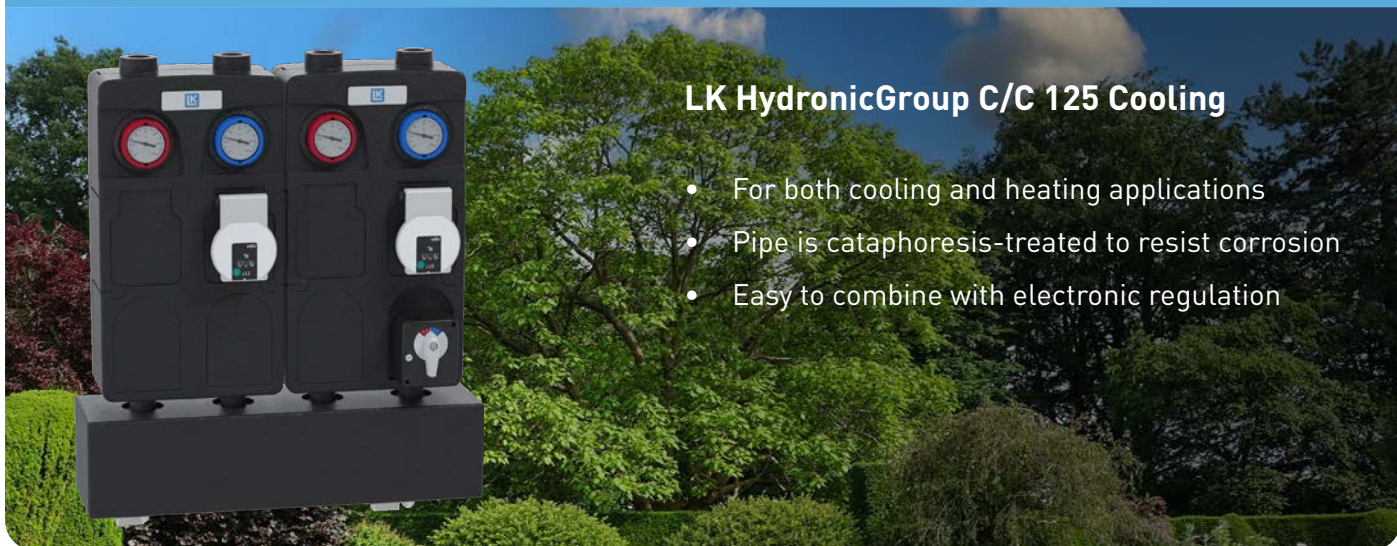
LK 862 - Pump group with mixing valve

LK HydronicGroup C/C 125 Cooling



The **LK HydronicGroup C/C 125 Cooling** is a complete pump group for both cooling and heating systems, offering both direct and mixed supply options. It includes a circulation pump, insulation, and ball valves with thermometers. The pipe is cataphoresis-treated to resist corrosion. The pictured **LK 862 Cooling** features a three-way mixing valve and, for cooling, requires an actuator like the LK 950 or LK 100 SmartComfort CT to prevent condensation and frost.

Pump Groups



LK HydronicGroup C/C 125 Cooling

- For both cooling and heating applications
- Pipe is cataphoresis-treated to resist corrosion
- Easy to combine with electronic regulation

TECHNICAL DATA

Voltage	230 VAC 50/60 Hz
Power consumption	10-75 W, depending on pump speed
Max. working pressure	1.0 MPa (10 bar)
Working temperature	Min. 5 °C/Max. 95 °C
Ambient temperature	Min. 5 °C/Max. 58 °C
Thread standard	Rp - female thread, G - male thread
Media	Water - Glycol mixture max. 50%
Circulating pump	Wilo Para 25-180/6-43/SC-12, Wilo Para 25-180/7-50/SC-12 Wilo Para 25-180/8-75/SC-12
Material, valve body	Brass EN 12165 CW617N
Material, insulation	Expanded Polypropylene EPP

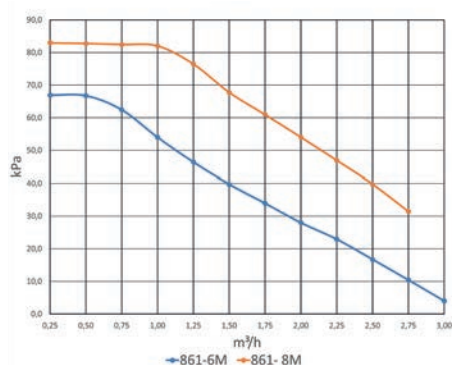
LK HydronicGroup Cooling is a complete pump group that is suitable for heating and cooling where direct supply or mixed supply is desirable. Consists of a highly efficient circulation pump, insulation, and two ball valves with thermometer, on the return side there is an integrated check valve. Cataphoresis treated pipe to resist against corrosion.

When installing LK HydronicGroup c/c 125 Cooling onto the LK 860 manifold, the mounting kit (part no. 095515) should be used to prevent condensation

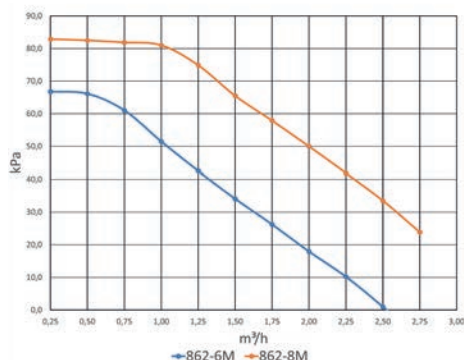
LK 861 C pump group where direct supply is desired.

LK 862 C pump group where mixed supply is desired, a three-way mixing valve is included. For cooling applications, LK 862 C must be supplemented with actuator, LK 950 or LK SmartComfort, so condensation does not leak into the insulation and forms frost. Insulation is only suitable for Wilo PARA 6, 7 and 8 meter.

LK 861 COOLING - PUMP CHARACTERISTICS



LK 862 COOLING - PUMP CHARACTERISTICS



Pump Groups



LK HydronicGroup C/C 90 Cooling

- For both cooling and heating applications
- Easy to install
- Easy to combine with electronic regulation

TECHNICAL DATA

Voltage	230 VAC 50/60 Hz
Power consumption	10-75 W, depending on pump speed
Leakage	< 0,2% of Kvs at 100 kPa
Max. working pressure	1.0 MPa (10 bar)
Working temperature	Min. -15 °C/Max. 100 °C Supply temperature: Min. 5 °C
Ambient temperature	Min. 5 °C/Max. 58 °C
Thread standard	Rp - female thread
Media	Water - Glycol mixture max. 50%
Circulating pump	Wilo Para 15-130/8-75/SC-9
Material, valve body	Brass EN 12165 CW617N
Cooling efficiency	7 kW (ΔT 10 °C 10 l/min.)

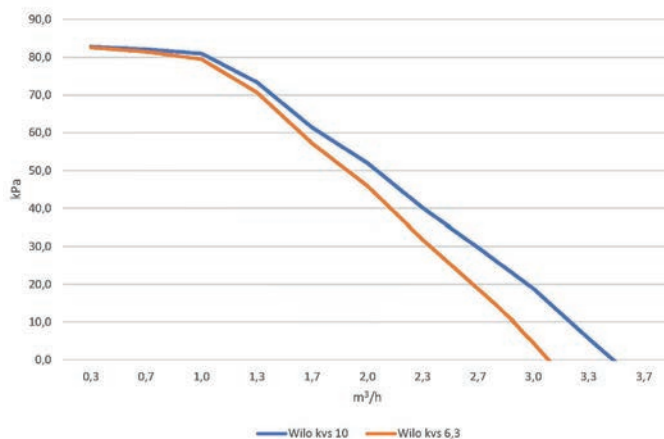
LK HydronicGroup is a complete pump group that is suitable for cooling systems where mixed supply is desirable.

By running the brine in the collector hose to a fan coil, you can cool your home with the cold naturally found in the ground. In addition, the borehole is recharged during the summer, which increases the performance of the heat pump.

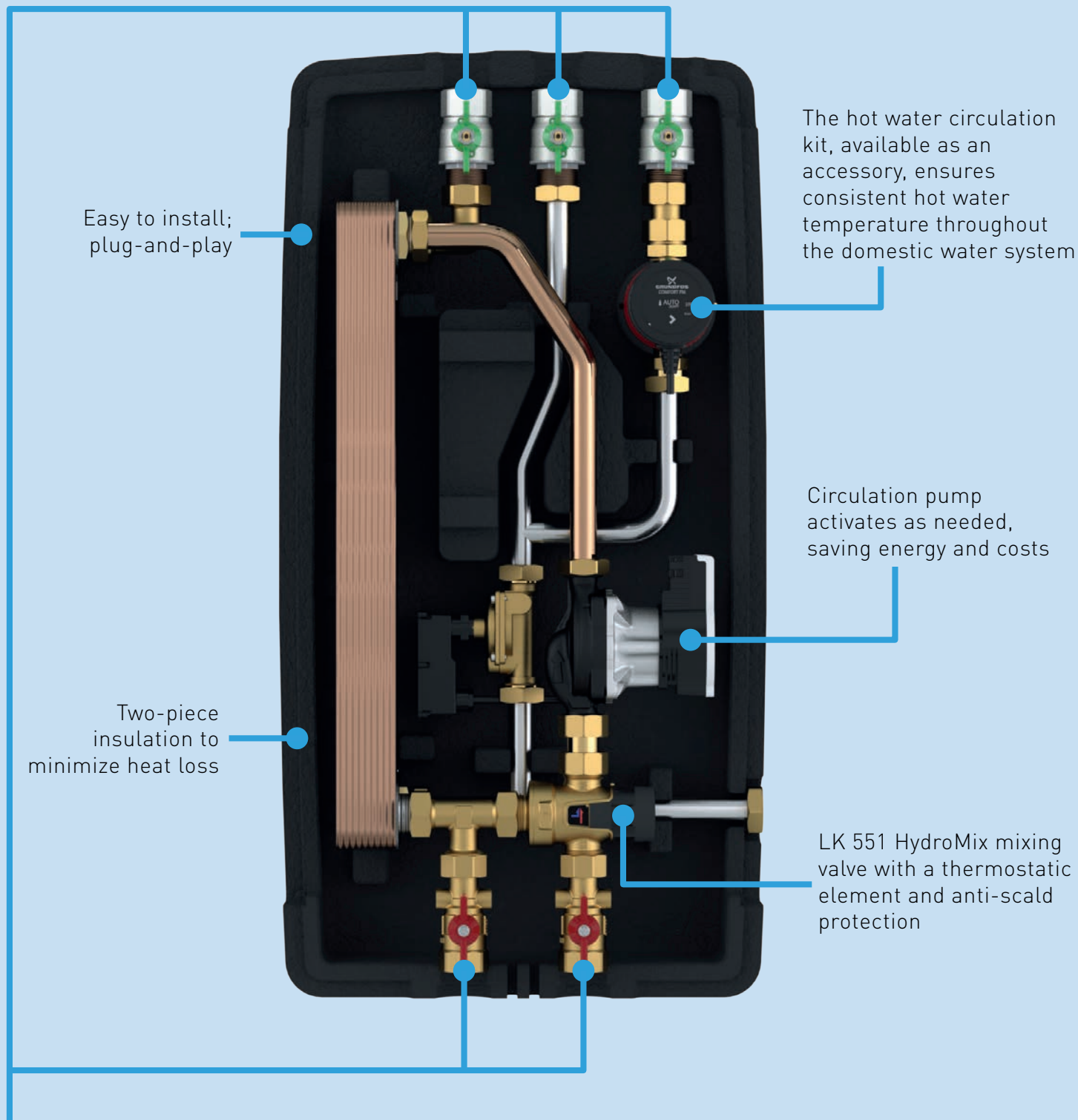
HydronicGroup C/C 90 Cooling is suitable to combine with the LK 322 CoolUnit which ensures the liquid is run in the right direction.

LK HydronicGroup comprises a high efficient circulation pump, insulation, wall mounting bracket and two ball valves with thermometer. In the model where mixed supply is desired, a three-way mixing valve is included.

CAPACITY DIAGRAM



LK 250 TapWater Unit



Valves with 1"
internal threads



LK 250 TapWater Unit delivers hot water with precision. Whether you choose the electronic controller or the thermic mixing valve model, both options ensure reliable temperature control. The circulation pump is only active when hot water is required, which reduces energy consumption. A hot water circulation kit is available to maintain a consistent temperature throughout the house.

Tap Water Unit



LK 250 TapWater Unit

- Easy to install - Plug-and-Play
- Scald protection with LK 551 HydroMix
- Available with anti-limestone coated heat exchanger.

TECHNICAL DATA

Voltage	230 VAC 50/60 Hz
Power consumption	10-75 W, depending on pump speed
Max. working pressure	1,0 MPa (10 bar)
Working temperature	Min. 5 °C/Max. 95 °C
Ambient temperature	Min. 5 °C/Max. 55 °C
Thread standard	G - female thread
Media	Water - Glycol mixture max. 50%
Circulating pump	Wilo Para 15-130/8 IPWM1 Wilo PARA 15-130/8-75/SC-9
Material insulation	Expanded Polypropylene EPP

The LK 250 TapWater Unit is a device for heating tap water.

LK 250 TapWater Unit P has an electronic controller unit that regulates the desired tap water temperature and at the same time regulates the inlet temperature to the plate heat exchanger to protect it from limestone.

The LK 250 TapWater Unit P consists of a plate heat exchanger, circulation pump, flow sensor, safety valve and an electronic controller.

The temperature of the tap water can be adjusted between 40 and 65 °C. The circulation pump only runs when hot water is required, which reduces energy consumption.

LK 250 TapWater Unit

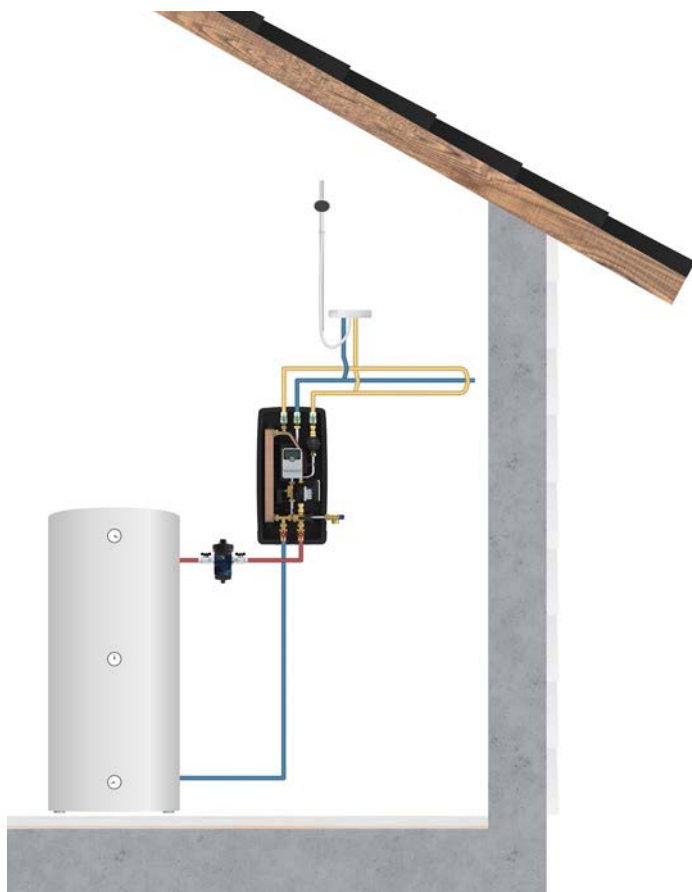
Unlike the LK 250 TapWater Unit P, this unit has a thermic mixing valve which, instead of an electronic controller, regulates the tap water temperature and at the same time regulates the inlet temperature to the plate heat exchanger to protect it from limescale deposits.

The LK 250 TapWater Unit consists of a plate heat exchanger, circulation pump, flow sensor, safety valve and a mixing valve.

The temperature of the tap water can be adjusted between 35 and 65°C. The circulation pump only runs when tap water is needed, which reduces energy consumption.

When choosing a tap water unit, it is important to know the water quality in the area where the unit will be installed.

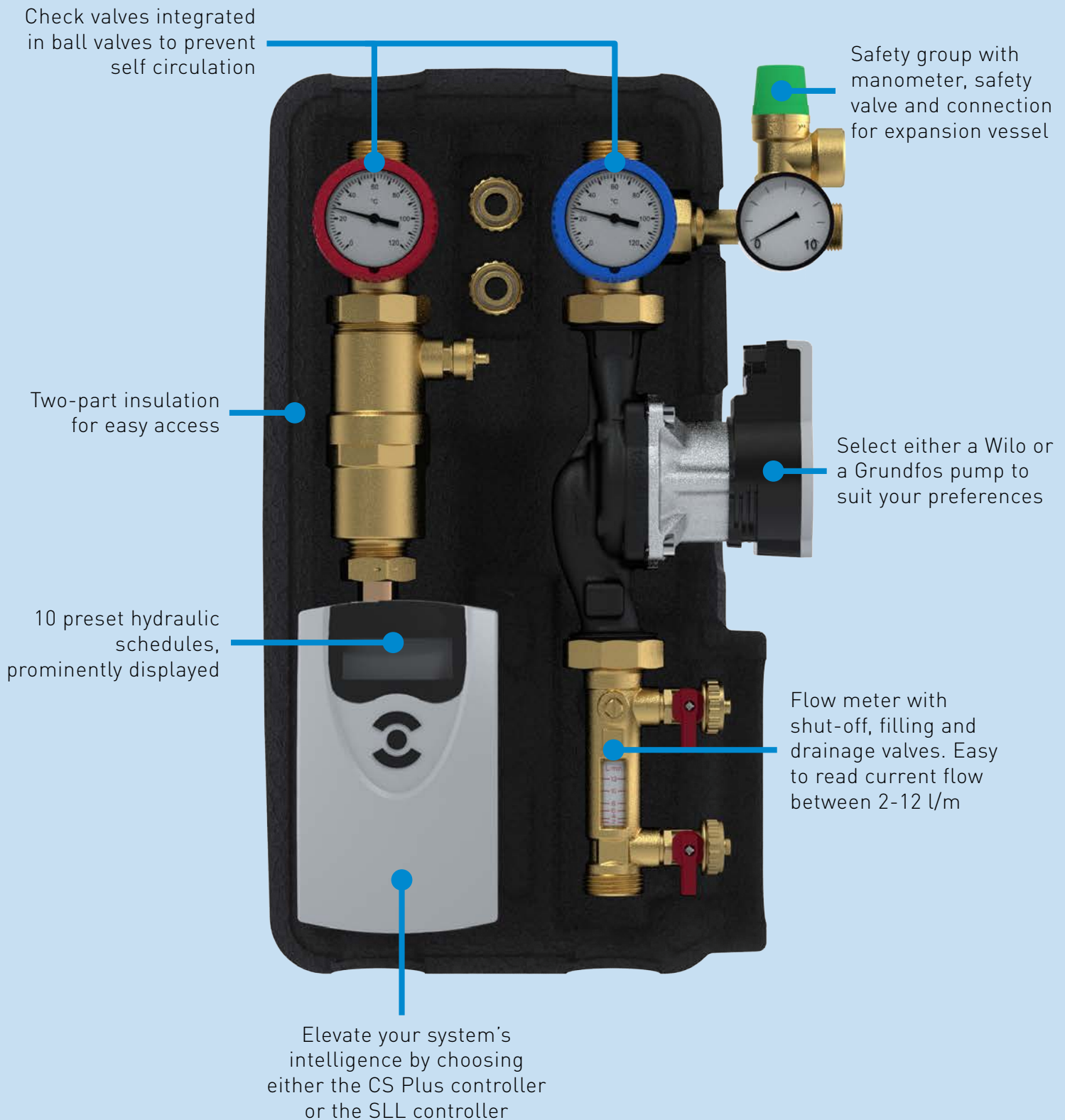
A hot water circulation kit is available as an accessory used to maintain the intended hot water temperature in the entire domestic hot water system, which is particularly suitable in buildings where a tap point is located some distance away.



CAPACITY

Hot water primary °C	Tap water temp. °C	Tap water capacity l/min.	Hot water return °C	Performance kW
80	45	52	13	128
75	45	50	13	119
70	45	46	14	112
65	45	43	14	103
60	45	38	15	91
55	45	32	16	76
50	45	26	19	62

LK 212 SolarStation



LK 212 SolarStation is your compact, dual-pipe solar pump unit, available with or without a controller. It's the complete package, equipped with all the essential components for ensuring the safe and efficient operation of your solar heating system.

Solar Pump Unit



LK 212 SolarStation

- Reduced energy costs by using solar power
- Compact dual-pipe solar unit
- Connections with 3/4" internal thread and 1" external thread

TECHNICAL DATA

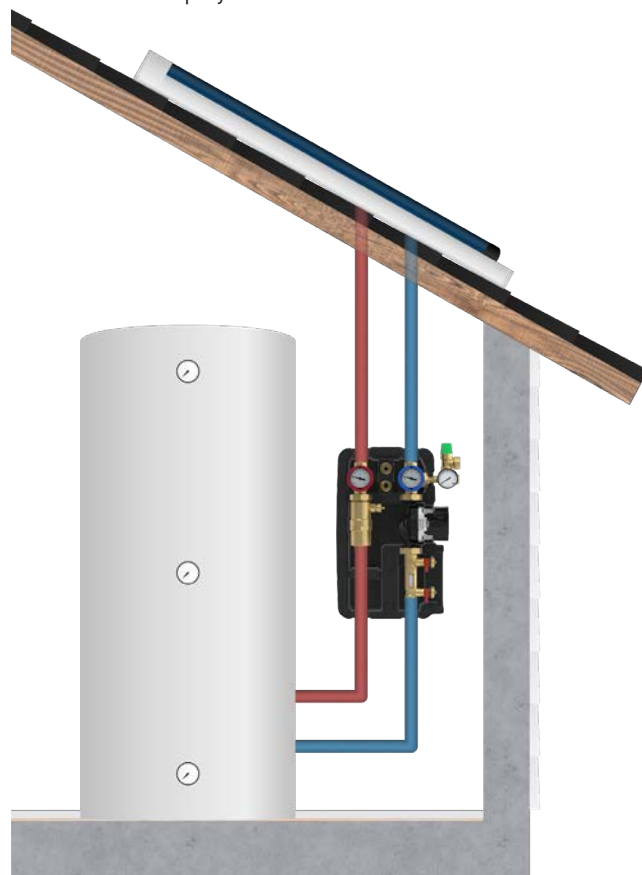
Voltage	230 VAC $\pm$ 10%, 50 Hz
Max. working pressure	1,0 MPa (10 bar)
Operating pressure	0,6 MPa (6 bar)
Working temperature	Supply: Max. 140 °C Return: Max. 110 °C
Thread standard	G - male thread, G - female thread
Protection type	IP 20
Media	Water - Glycol mixture max. 50%
Sensors	PT 1000
Circulating pump	Grundfos UPM3 Solar 25-75 180, Wilo Para ST 25-180/8 IPWM2 Grundfos UPM3 Solar 25-75 130, Wilo Para ST 25-130/8 IPWM2

LK 212 SolarStation is a compact dual-pipe solar pump unit. It contains all the necessary components for a safe operation and control of the solar heating system such as safety group, 180 or 130 mm circulating pump, ball valve with integrated check valve and thermometer, air separator with manual air vent connection, flow meter with shut-off, filling and drainage valves.

LK 212 SolarStation is available in 2 versions, with 180 mm circulating pump or with 130 mm circulating pump.

Option of selecting between two different controllers, LK 152 SmartSolar SLL or LK 152 SmartSolar CS Plus. A variant without a controller and/or circulation pump is also optional if you wish to supply it yourself.

LK 152 SmartSolar SLL and SC Plus has both 10 preset hydraulic schedules. The chosen hydraulic schedule and operating status is shown on the display.



Solar Pump Unit



LK 211 SolarStation S

- Reduced energy costs by using solar power
- Adapted for 130 mm circulation pump
- Connections with 3/4" internal thread and 1" external thread

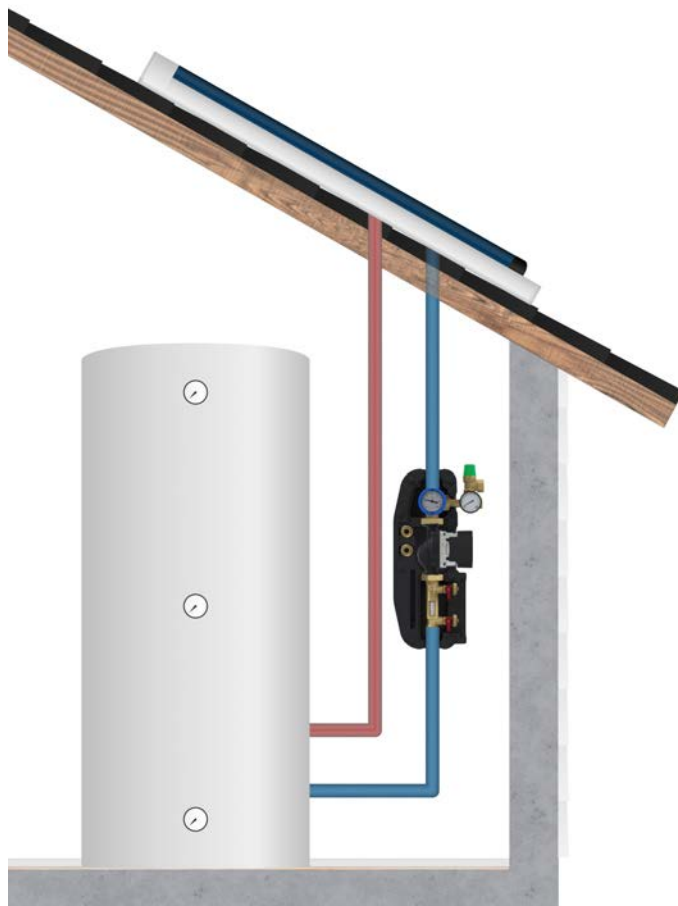
TECHNICAL DATA

Voltage	230 VAC $\pm$ 10%, 50 Hz
Max. working pressure	1,0 MPa (10 bar)
Operating pressure	0,6 MPa (6 bar)
Working temperature	Max. 110 °C
Thread standard	G - male thread, G - female thread
Protection type	IP 20
Media	Water - Glycol mixture max. 50%
Sensors	PT 1000
Circulating pump	Grundfos UPM3 Solar 25-75 130, Wilo Para ST 25-130/8 IPWM2

LK 211 SolarStation S is a compact single-pipe solar pump unit. It contains all the necessary components for a safe operation and control of the solar heating system such as safety group, 130 mm circulating pump, ball valve with integrated check valve and thermometer, flow meter with shut-off, filling and drainage valves.

Option of selecting between two different controllers, LK 152 SmartSolar SLL or LK 152 SmartSolar CS Plus. A variant without a controller and/or circulation pump is also optional if you wish to supply it yourself.

LK 152 SmartSolar SLL and SC Plus has both 10 preset hydraulic schedules. The chosen hydraulic schedule and operating status is shown on the display.



LK 534 ThermoFill EA®

Integrated check valve
classified as type EA
according to EN 1717

Integrated ball valve

Screw for
inspection of
check valve

DZR-brass

Flow direction marking for
simple installation

Available with ½" internal thread or
15 mm compression fittings



Streamline your heating system setup with the **LK 534 ThermoFill® EA**. This filling valve features an integrated shut-off and inspectable check valve for seamless operation, even at low pressure. Certified for backflow prevention (Type EA, fluid category 1-2), it ensures system safety and compliance. Designed for easy maintenance and precise installation, it's the reliable choice for secure and efficient system filling.

Filling Valve



LK 534 ThermoFill® EA

- Integrated with two ball valves and non-return valve
- Classified as EA type according to EN 1717
- The check valve is inspectionable

TECHNICAL DATA

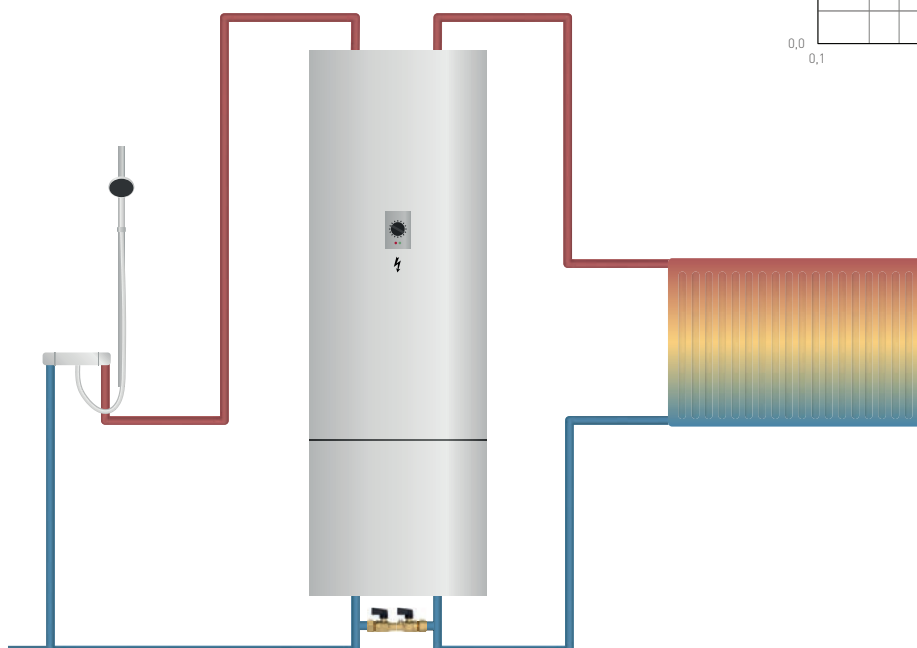
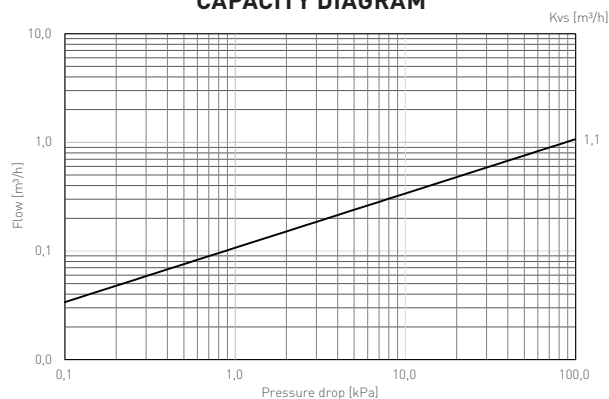
Max. working pressure	1.0 MPa (10 bar)
Opening pressure check valve	1 kPa (0,01 bar)
Working temperature	Min. 5 °C/Max. 90 °C
Thread standard	G - female thread, ISO 228/1
Material valve body	DZR Brass EN 12165 CW625N
Material sealing	EPDM
Material check valve	POM
Standard	Check valve: Type EA according to EN 1717

LK 534 ThermoFill® EA is a filling valve for heating systems. The valve has an integrated shut-off/check valve which ensures opening even at low pressure differences. The check valve is inspectionable and classified as a back flow preventer Type EA, fluid category 1-2, according to EN 1717.

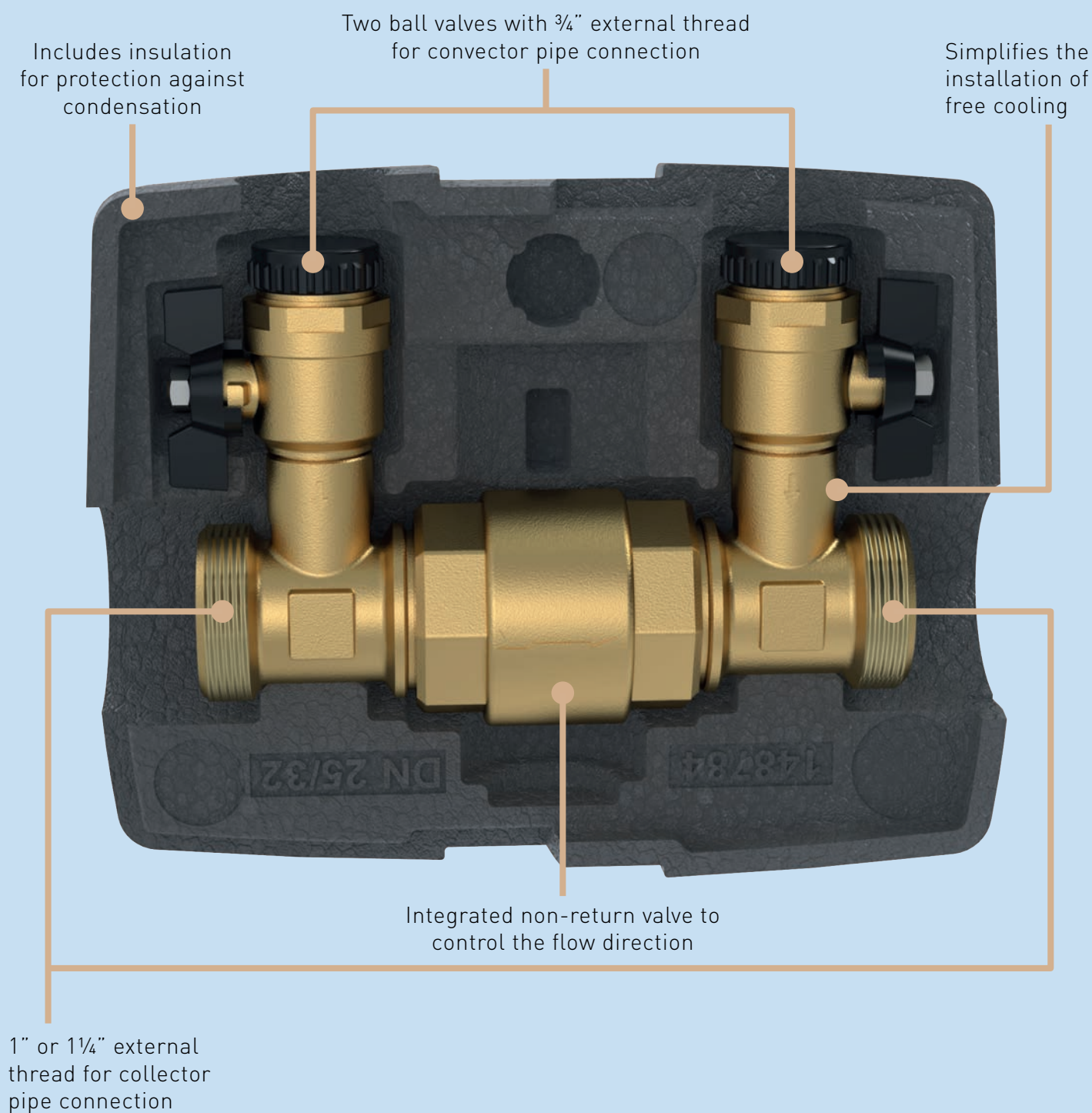
By closing the first valve towards the tap water system and loosening the screw, the function of the check valve can be checked.

The arrow on the valve body indicates the direction of the flow.

CAPACITY DIAGRAM



LK 322 CoolUnit



The **LK 322 CoolUnit** is a valve combination for geothermal heat pumps that channels cold brine to a fan coil, cooling your home with natural ground cold. It also recharges the borehole in summer, improving heat pump performance. With a non-return valve for proper flow and flexible 1" or $1\frac{1}{4}$ " collector and $\frac{3}{4}$ " convector connections, it offers an efficient, versatile free cooling solution.





LK 322 CoolUnit

- Insulation against condensation
- Energy effective way for free cooling
- Recharge the borehole during the summer

TECHNICAL DATA

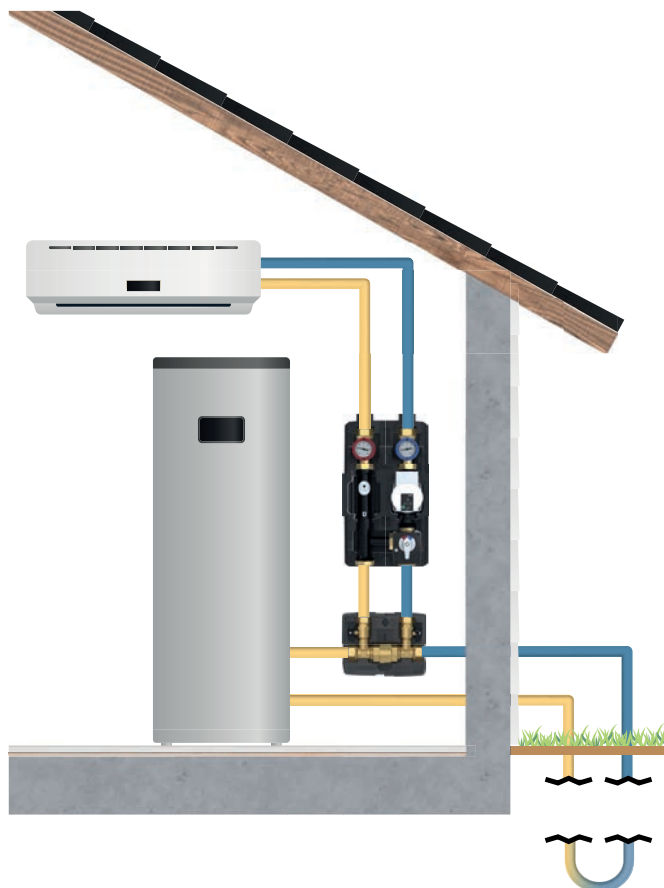
Max. working pressure	0,6 MPa (6 bar)
Working temperature	Min. -20 °C/Max. 80 °C
Thread standard	G - male thread
Media	Water - Glycol mixture max. 50%
Material valve body	Brass EN 12165 CW617N
Material sealing	EPDM

LK 322 CoolUnit is a valve combination that utilises the cold available in a system with a geothermal heat pump.

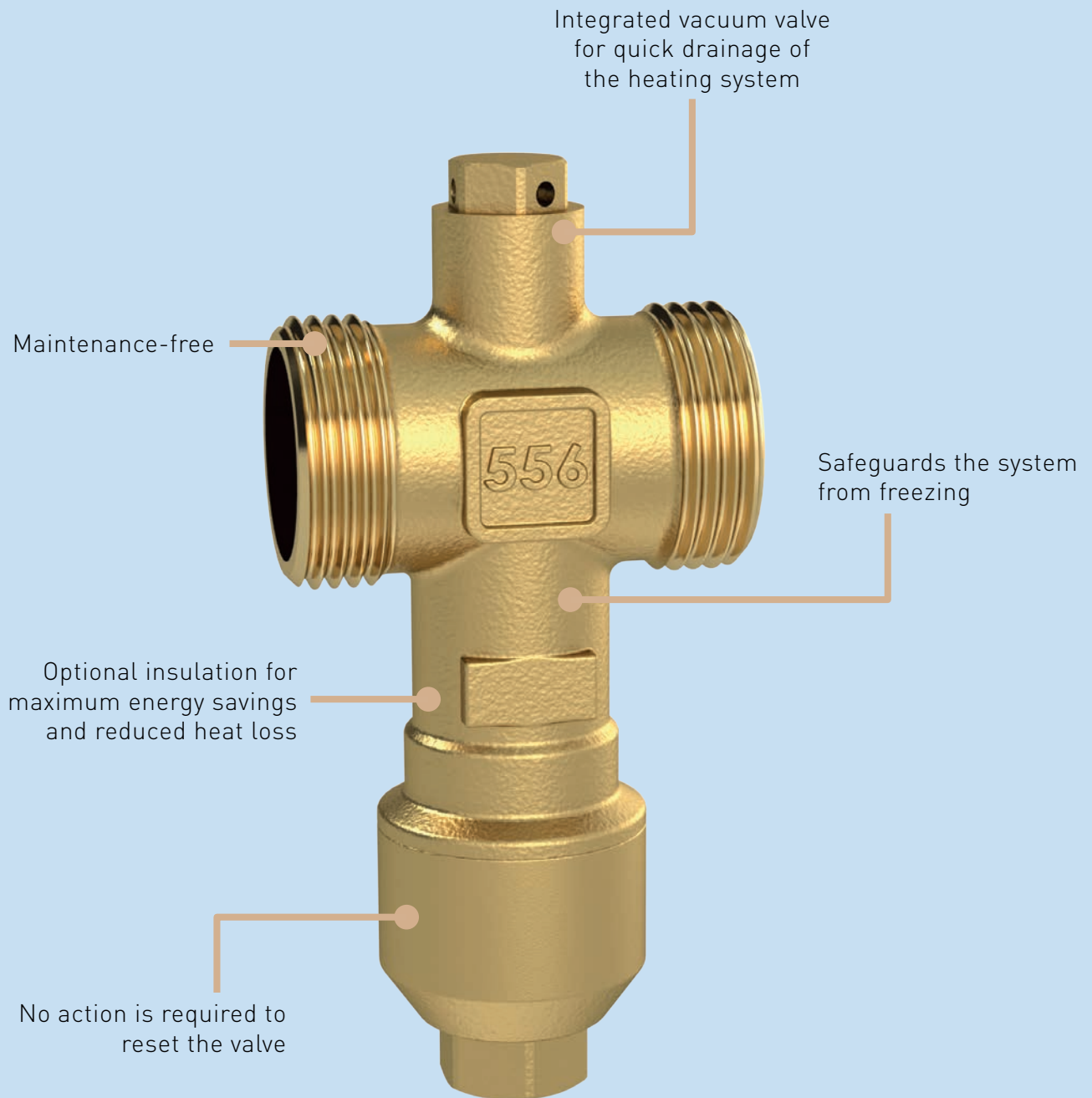
By running the brine in the collector hose to a fan coil, you can cool your home with the cold naturally found in the ground. In addition, the borehole is recharged during the summer, which increases the performance of the heat pump.

The LK 322 CoolUnit also contains a non-return valve to ensure the liquid is run in the right direction when fitting the shunt group with its own circulation pump. See LK HydronicGroup C/C 90 and 125 Cooling for a suitable shunt group.

The LK 322 have two 1" alt. 1¼" male thread for connection to the collector pipe. Two ball valves with ¾" male thread for connection to convactor pipe.



LK 556 AntiFreeze



Protect your heating system from freezing with the **LK 556 AntiFreeze**. Designed for air/water heat pumps, it automatically drains the system if temperatures dip below +3°C, ensuring your heating system remains safe and operational. Boost energy efficiency with available insulation, and enjoy the benefits of a maintenance-free valve.

Safety Valve



LK 556 AntiFreeze

- Protects heating system from freeze damage
- The valve is maintenance free
- Set includes two AntiFreeze valves and two insulation pieces

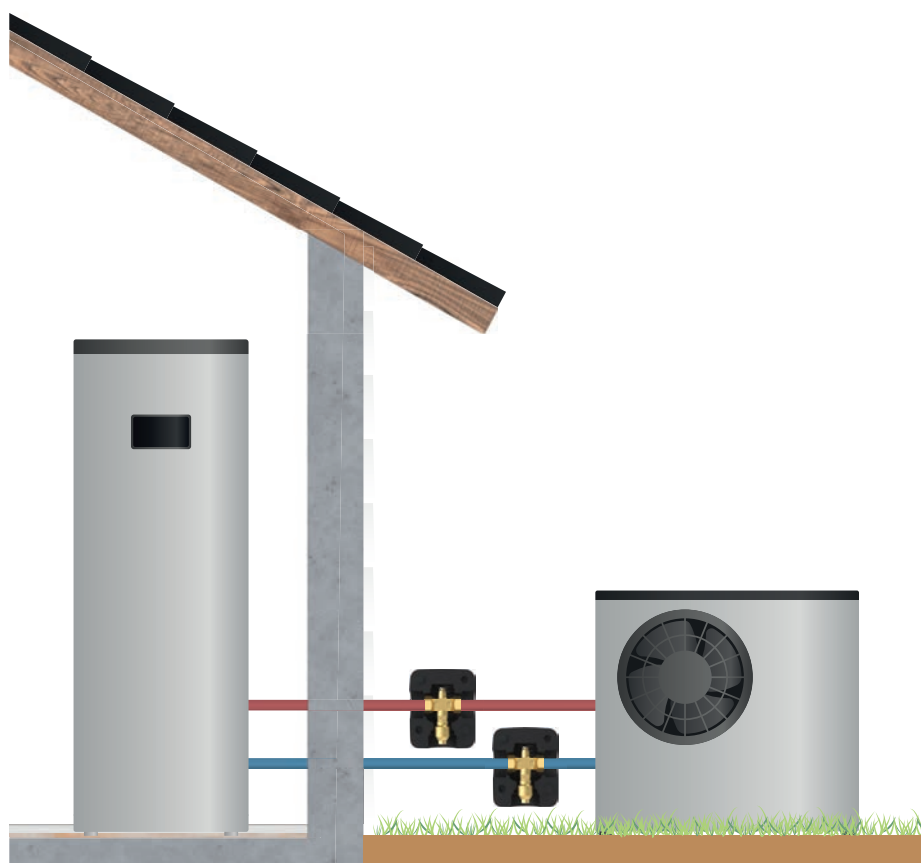
TECHNICAL DATA

Max. working pressure	0.6 MPa (6 bar)
Min. working pressure	0.05 MPa (0,5 bar)
Working temperature	0-75 °C
Opening temperature	3 °C
Ambient temperature	-30-60 °C
Storage temperature	-30-60 °C
Thread standard	G - male thread
Media	Water
Material valve body	Brass EN 12165 CW617N
Material sealing	EPDM

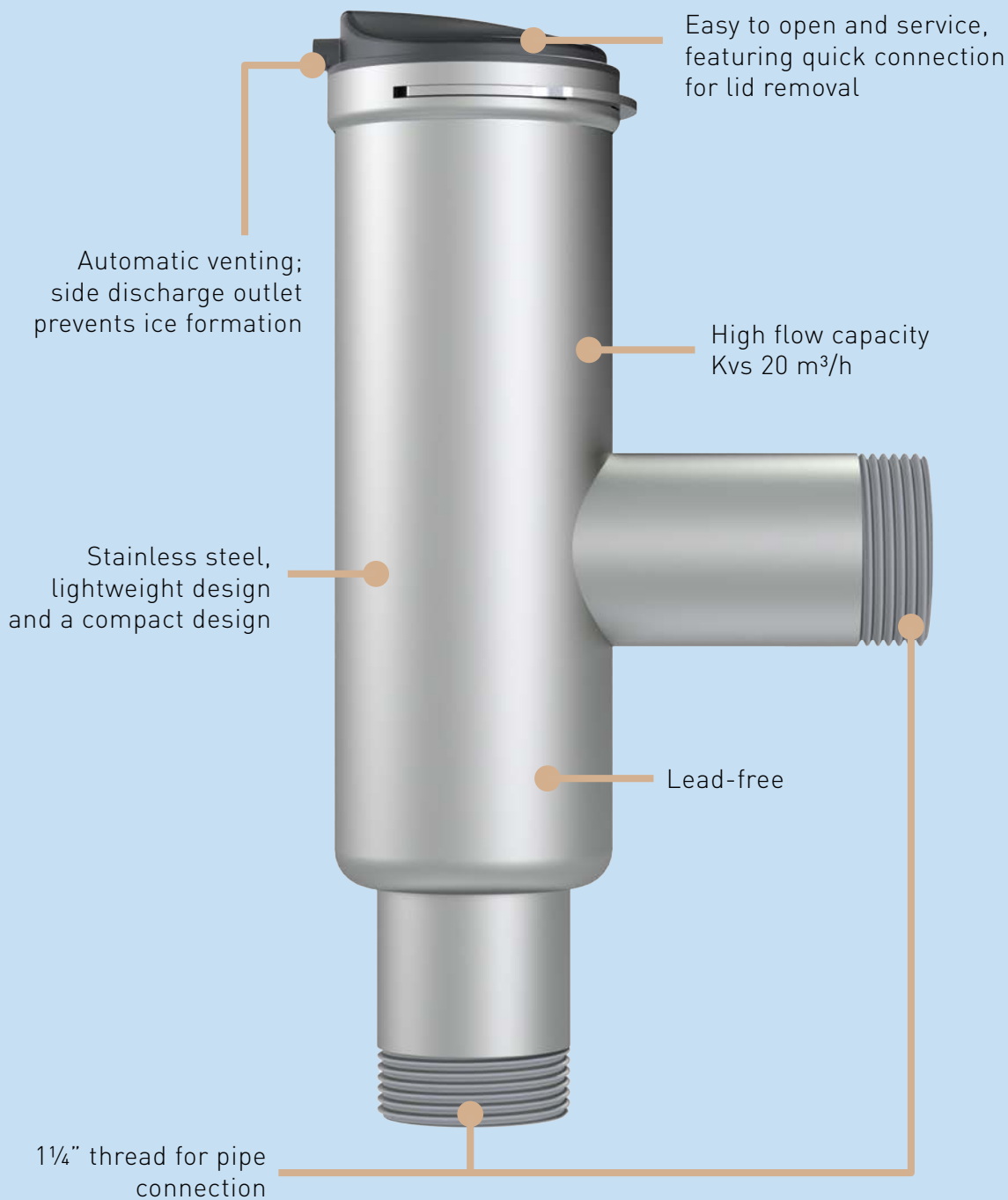
LK 556 AntiFreeze protects your heating system, usually in an air/water heat pump, if the fluid temperature should drop below +3°C by draining the system. This prevents the heating system from freezing.

If the valve opens and drains the system, no action is required to reset the valve, the system can be refilled again as soon as normal circulation in the heating system is resumed.

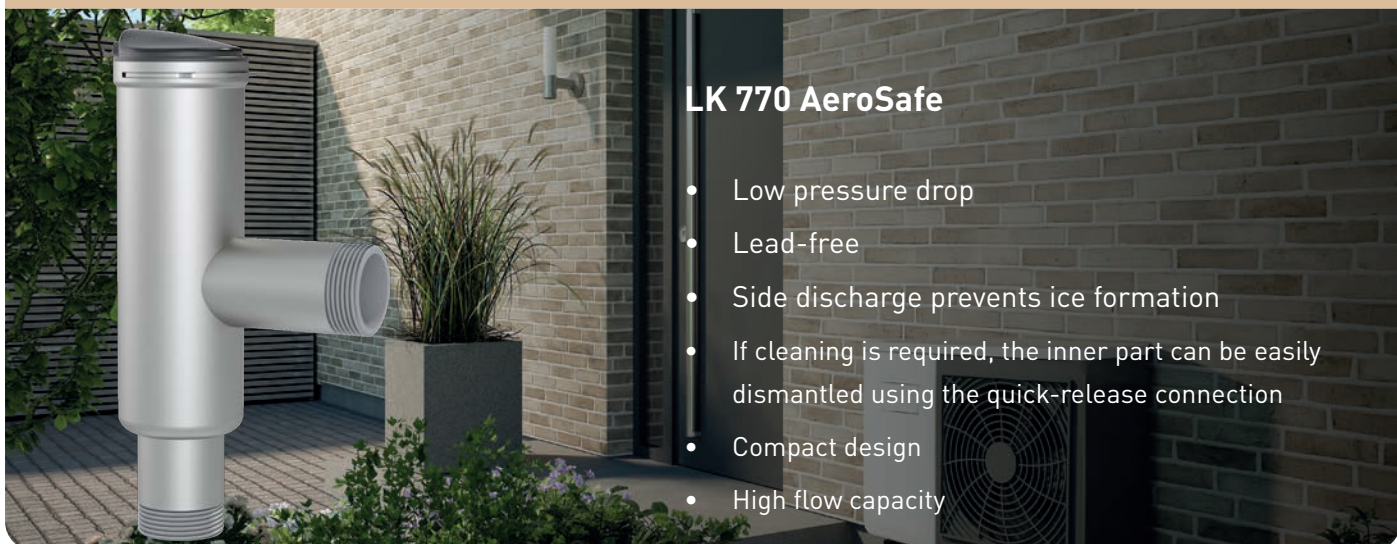
Insulation is available as an accessory for maximum energy saving. Refer to Accessories & Spare parts.



LK 770 AeroSafe



LK 770 AeroSafe is an automatic venting valve designed to effectively remove air or gas from the system. One possible application is in an air/water heat pump, where it safely removes gas in the event of a potential leak from the refrigerant fluid into the heating system. Made from lightweight, lead-free stainless steel, it's easy to install and service with a removable lid. With a Kvs value of 20 m³/h, low pressure drop, and side discharge to prevent ice formation, it ensures optimal performance and system longevity.



LK 770 AeroSafe

- Low pressure drop
- Lead-free
- Side discharge prevents ice formation
- If cleaning is required, the inner part can be easily dismantled using the quick-release connection
- Compact design
- High flow capacity

TECHNICAL DATA

Max. working pressure	6 Bar
Working temperature	0-95 °C
Thread standard	G - male thread
Media	Water - Glycol mixture max. 50% Ethanol mixture max. 30%
Material valve body	Stainless Steel EN 10088 1.4301
Material external cover	PPE + PS Composite
Material sealing	EPDM

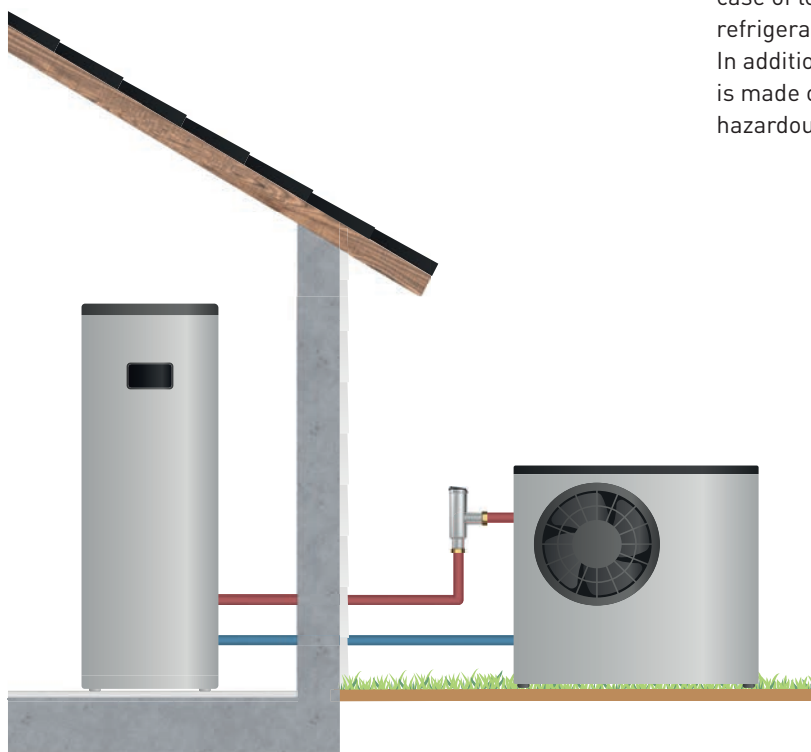
LK 770 AeroSafe is used to continuously remove gases / air from hydraulic circuits.

With an integrated stainless-steel mesh and large area of the chamber, the air / gas can be efficiently collected and automatically released. The venting outlet is located on the side of the top, which minimizes the risk of ice formation and blockage when installed in places where freezing temperatures can occur. However, the product should always be insulated if there is a risk of freezing temperatures.

If cleaning is required, the inner part can be easily dismantled using the quick-release connection.

If LK 770 AeroSafe is installed in connection with, for example, an air/water heat pump that uses flammable refrigerant gases (such as R290), it is important that LK 770 is installed outdoors or in well-ventilated areas where there is no risk for ignition (in case of leakage between the heat exchanger and the circuit with refrigerant gases).

In addition to the top cover and float mechanism, the LK 770 is made of stainless steel to maintain a high quality and avoid hazardous substances such as lead.



LK 450 EasyHeat P



Designed for temporary heating needs, this complete electric boiler is your solution for drying concrete slabs and heating construction sites. With programmable precision, constant temperature control, and a sturdy lockable cabinet, the **LK EasyHeat 450 P** is the reliable choice for your heating requirements.



Electric portable boiler



LK 450 EasyHeat P

- Portable
- Water level detection
- Lockable cabinet
- IP44, water-resistant.
- Programmable for various temperatures over selectable time period.

TECHNICAL DATA

Voltage	400 V
Primary voltage adapter	400 V
Max. boiler efficiency	9 kW (3 + 6 kW)
Sound level	<30 dB
Max. working pressure	3 bar
Working temperature	8-60 °C
Min. supply temperature	8 °C
Max. supply temperature	60 °C
Thread standard	G - female thread
Protection type	IP44
Media	Water - Glycol mixture max. 30%
Electrical connection	CEE-socket 400 V/16 A 5-pole
Circulating pump	Wilo Para 15/6 - Composite
Expansion vessel	6 l
Antifreeze function	Yes
Level guard	Yes
Overheating protection	80 °C
File import / export:	Micro SD-card (not included)

The LK 450 EasyHeat P (programmable) 9 kW is a complete portable electrically heated boiler. It is primarily meant to be used as a temporary heater, e.g. for drying concrete slabs installed with under floor heating or for heating buildings under construction.

The temperature can be set between 8 and 60°C.

With the LK 450 EasyHeat P 9 kW, setting individual drying period programs is possible.

60 individual heating steps enable full control of the drying process and to receive a report on process afterwards if a micro SD-card is used.

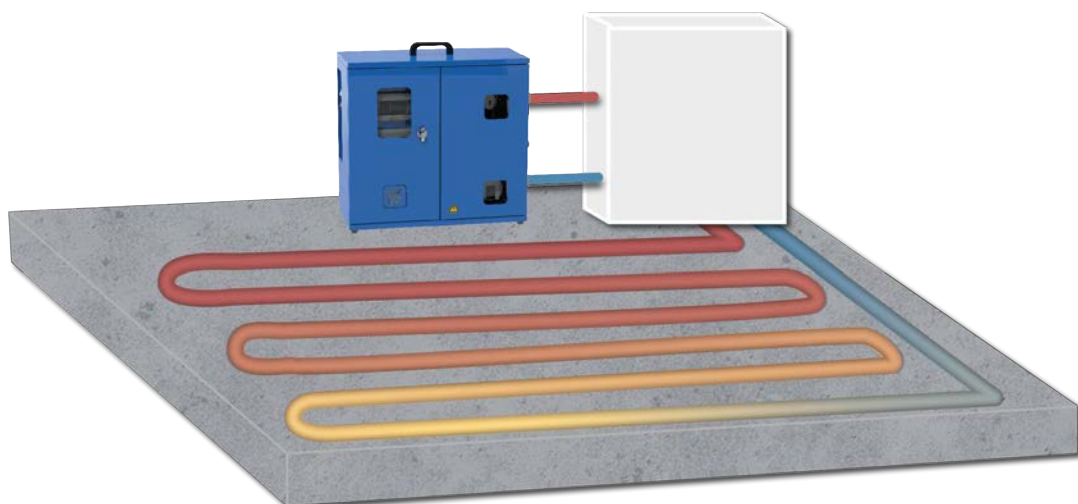
When a program is finished, the boiler maintains a supply temperature of 8 °C to avoid risk of freezing.

With its built-in water level detection, damage to the immersion heater is prevented if the water level in the system gets too low.

A constant temperature can be set when used as a temporary electric boiler.

EasyHeat comes in a blue aluminum cabinet with inspection window, so you can monitor the unit during operation. The cabinet can be locked to prevent accidental changes to the set temperature.

The LK 321 MultiFill® is available as an accessory, and makes it easy to fill the system. The LK 522 filter ball is used to protect EasyHeat from dirt and magnetite. Transport trolley to simplify moving unit. Connection pipes for easy connection between EasyHeat and the heating system. Refer to Accessories & Spare parts.



Electric portable boiler



LK 450 EasyHeat M

- Portable
- Water level detection
- Lockable cabinet
- IP44, water-resistant.
- Available in two versions: Single phase 230 V with 3 kW or 3-phase 400 V with 9 kW.

TECHNICAL DATA

Voltage	3 kW: 230 V 9 kW: 400 V
Primary voltage, adapter	3 kW: 230 V 9 kW: 400 V
Max. boiler efficiency	3 kW (1,5 + 1,5 kW) 9 kW (3 + 6 kW)
Sound level	<30 dB
Max. working pressure	3 bar
Working temperature	8-60 °C
Min. supply temperature	8 °C
Max. supply temperature	60 °C
Thread standard	G - female thread
Protection type	IP44
Media	Water - Glycol mixture max. 30%
Electrical connection	3 kW: CEE 16 A/230 V/50 Hz/1~ 1-Phase 9 kW: CEE-socket 400 V/16 A 5-pole
Circulating pump	Wilo Para 15/6 - Composite
Expansion vessel	6 l
Antifreeze function	Yes
Level guard	Yes
Overheating protection	80 °C
Type approval certificate	CE

The LK 450 EasyHeat M (manual) 3 kW or 9 kW is a complete portable electrically heated boiler. It is primarily meant to be used as a temporary heater, e.g. for drying concrete slabs installed with underfloor heating or for heating buildings under construction.

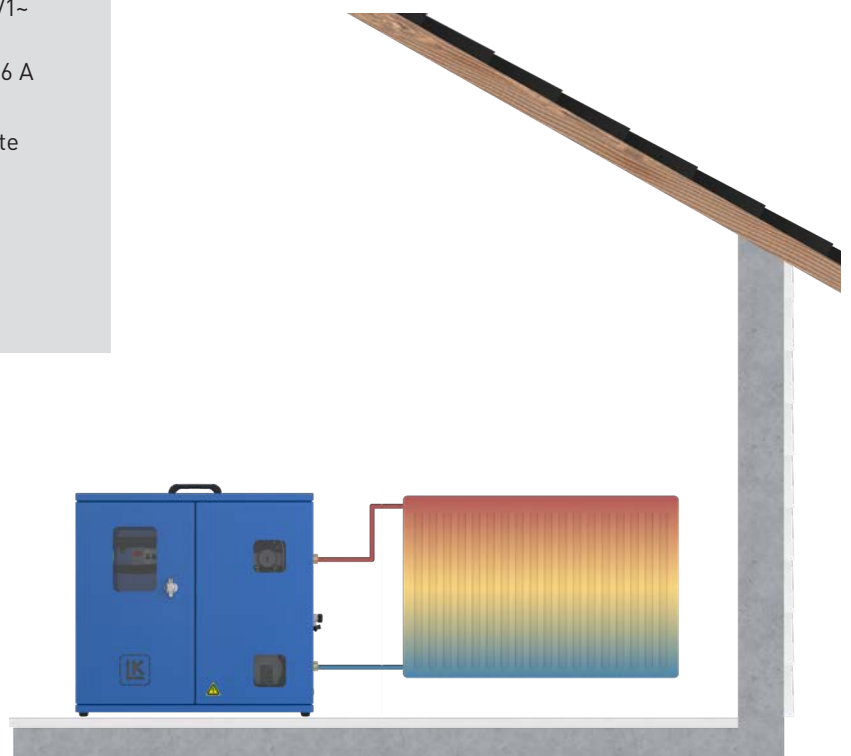
With the LK 450 EasyHeat M, setting the required constant temperature between 8 and 60°C is easy.

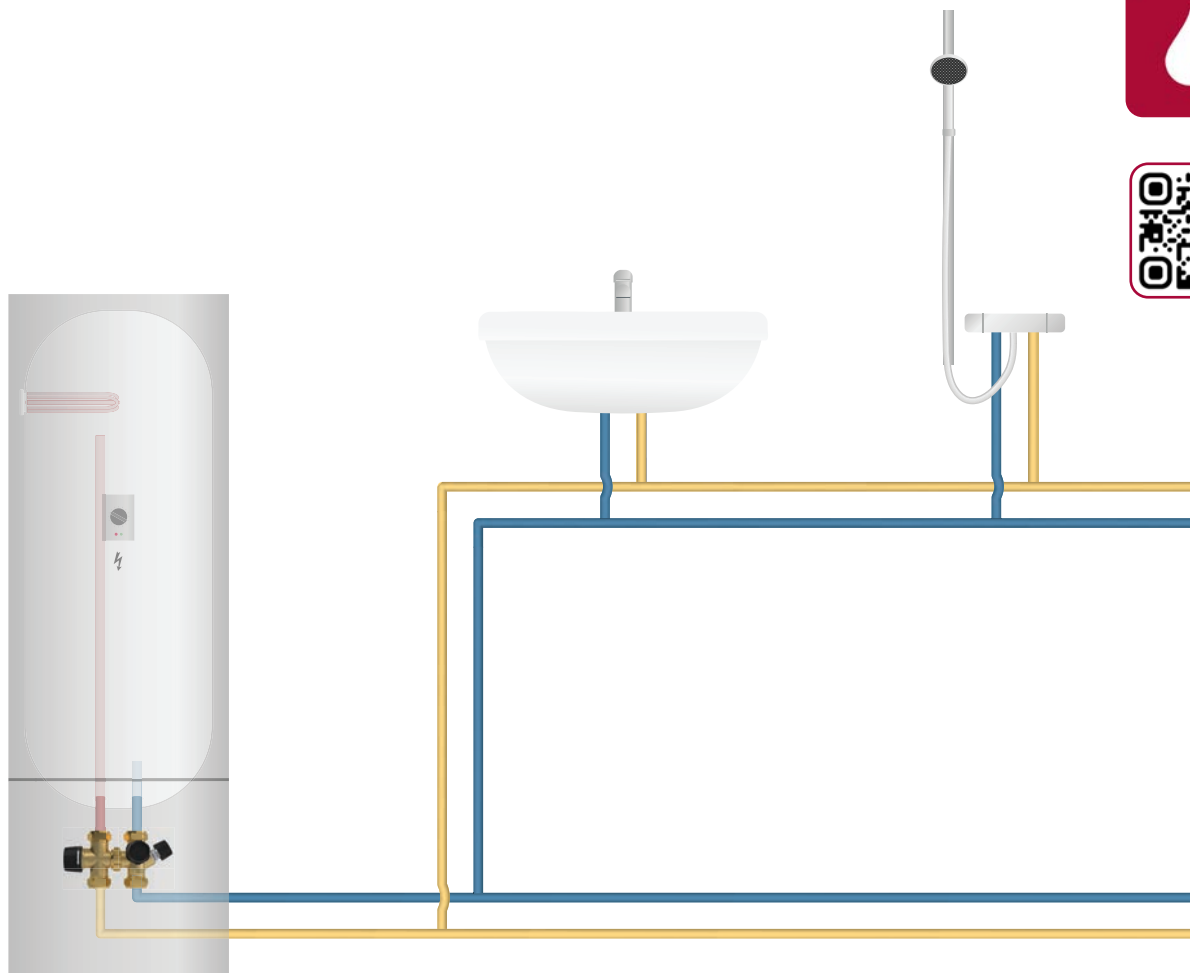
The LK 450 EasyHeat is available in two versions: single phase 230 V with 3 kW output or 3-phase 400 V with 9 kW output.

With its built-in water level detection, damage to the immersion heater is prevented if the water level in the system gets too low.

EasyHeat comes in a blue aluminum cabinet with inspection window, so you can monitor the unit during operation. The cabinet can be locked to prevent accidental changes to the set temperature.

The LK 321 MultiFill® is available as an accessory, and makes it easy to fill the system. The LK 522 filter ball is used to protect EasyHeat from dirt and magnetite. Transport trolley to simplify moving unit. Connection pipes for easy connection between EasyHeat and the heating system. Refer to Accessories & Spare parts.





Products for Water Heating

Safety Valve
LK 514 MultiSafe



Filling Valve
LK 534 ThermoFill®



Filling Valve
LK 535 ThermoFill®



Filling Valve
LK 536 ThermoFill®



Tap Water Unit
LK 250 TapWater Unit



Mixing Valve
LK 551 HydroMix



Vacum Valve
LK 523 VacuVent



Valve Combination
LK 548 AquaKit



Valve Combination
LK 560 AquaKit



Pump Group
LK 865 - Complete unit for
hot water circulation



Mixing Valve
LK 552 HydroMixt



Filter Ball Valve
LK 522 FilterBall



Valve Combination
LK 508 HydroFill

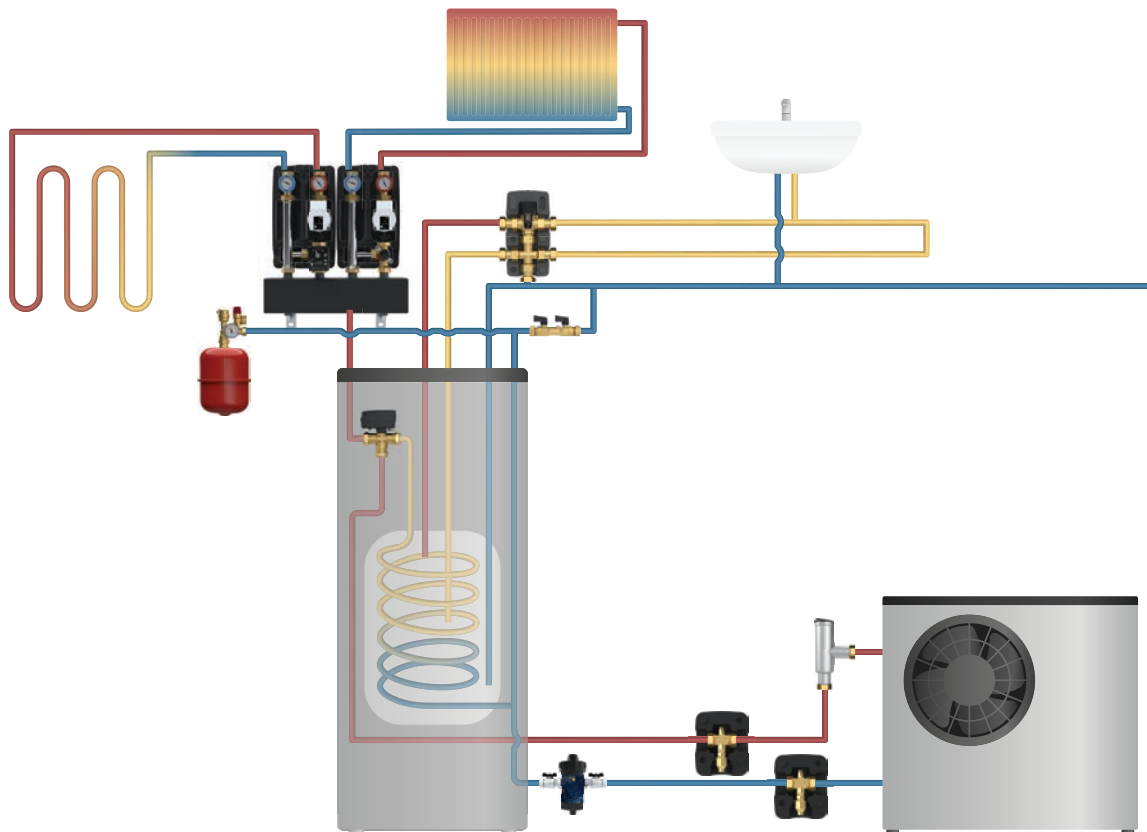


Valve Combination
LK 551 HydroKit Solar



Hot Water Circulation Unit
LK 551 HWC HydroKit





Products for Heat Pumps

Valve Combination
LK 548 AquaKit



Mixing Valve
LK 840 2.0 ThermoMix®



Mixing Valve
LK 551 HydroMix



Safety Valve
LK 556 AntiFreeze



Hot Water Circulation Unit
LK 551 HWC HydroKit



Valve Combination
LK 322 CoolUnit



Temperature Controller
LK SmartComfort



Valve Actuator
LK 950 Valve Actuator



Safety Valve
LK 514 MultiSafe



Pump Groups
LK HydronicGroup C/C 90 & 125



Filling Valve
LK 521 MultiFill®



Zone Valve
LK 525 MultiZone 3W



Safety Group
LK 994 SafetyGroup



Tap Water Unit
LK 250 TapWater Unit



Pump Groups
LK HydronicGroup C/C 90 & 125 Cooling



Drain valve
LK 905 Drain valve



Expansion
Vessel



Prefabricated
pipes



Filter Ball Valve
LK 522 FilterBall

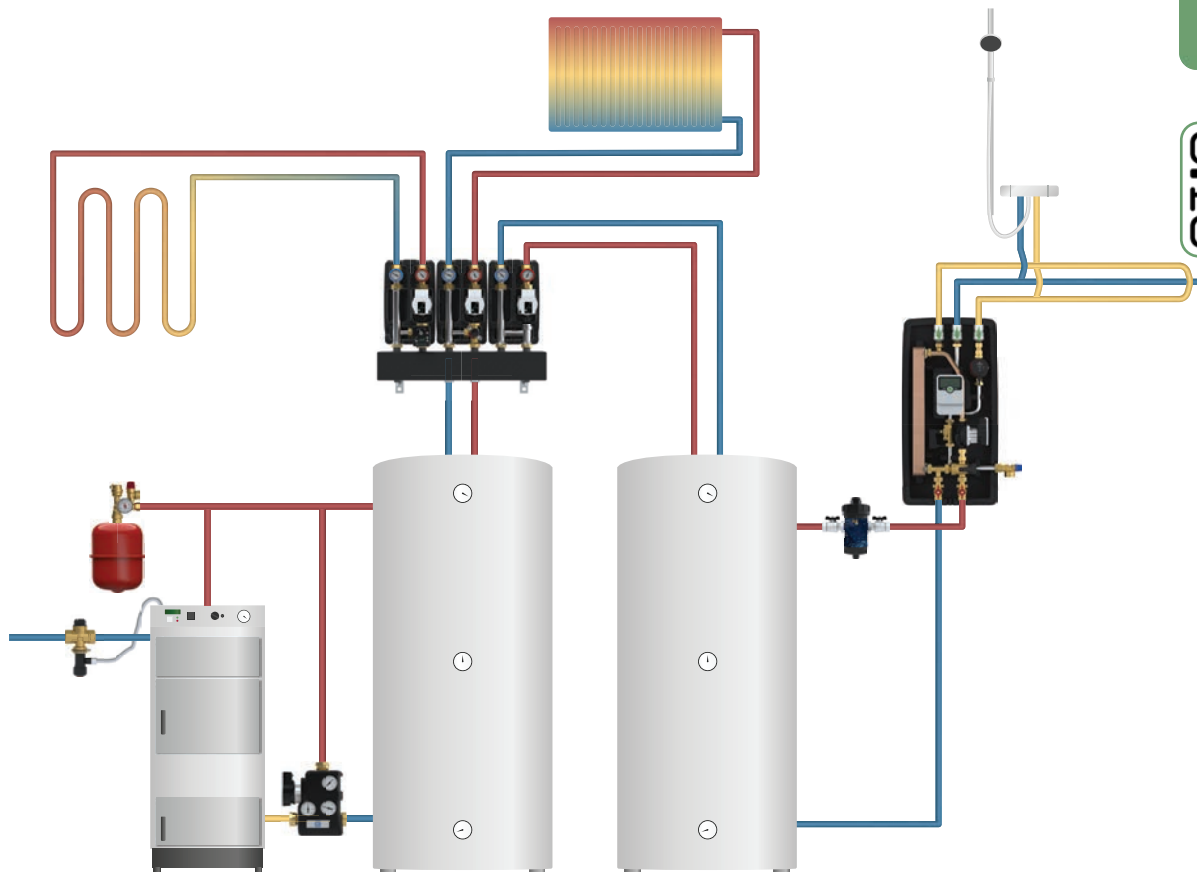


Cyclone Filter
LK 360 NetMag



Vent Valve
LK 770 AeroSafe





Products for Biofuel

Valve Combination
LK 548 AquaKit



Mixing Valve
LK 840 2.0 ThermoMix®



Mixing Valve
LK 551 HydroMix



Loading Unit
LK 810 ThermoMat®



Hot Water Circulation Unit
LK 551 HWC HydroKit



Loading Unit
LK 815 ThermoKit T



Temperature Controller
LK SmartComfort



Valve Actuator
LK 950 Valve Actuator



Safety Valve
LK 514 MultiSafe



Pump Groups
LK HydronicGroup C/C 90 & 125



Loading Unit
LK 816 ThermoKit E



Zone Valve
LK 525 MultiZone 3R



Thermic Loading Valve
LK 823 ThermoVar®



Thermic Loading Valve
LK 820 ThermoVar®



Tap Water Unit
LK 250 TapWater Unit



Thermal Safety Valve
LK 519 ThermoSafe



Differential Temperature
Controller
LK 160 SmartBio ®



Filter Ball Valve
LK 522 FilterBall

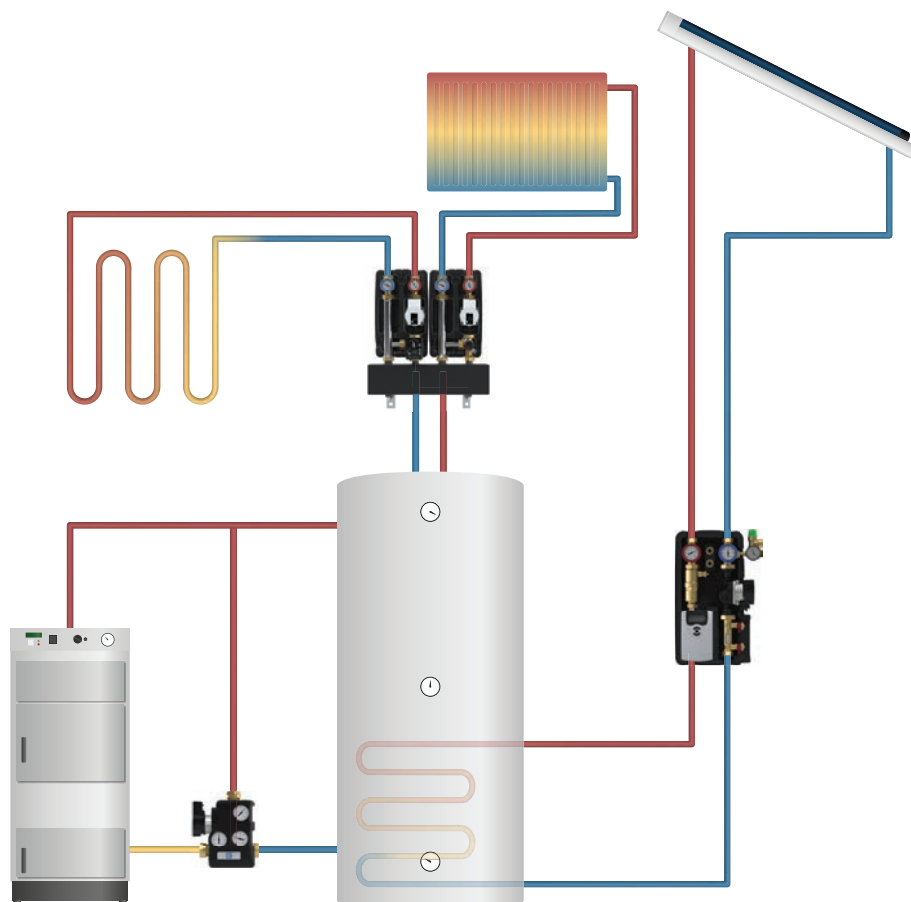


Cyclone Filter
LK 360 NetMag



Mixing Valve
LK 552 HydroMixt





Products for Solar Heating

Valve Combination
LK 551 HydroKit Solar



Valve Combination
LK 548 AquaKit



Filling Valve
LK 321 MultiFill® Solar



Temperature Controller
LK SmartComfort



Mixing Valve
LK 840 2.0 ThermoMix®



Bivalent Mixing Valve
LK 830 ThermoMix®B



Thermic Zone Valve
LK 821 ThermoVar®



Differential Temperature
Controller
LK 150 SmartSol



Mixing Valve
LK 551/551 F HydroMix



Filter Ball Valve
LK 522 FilterBall



Zone Valve
LK 525 MultiZone 3R & Solar



Safety Group
LK 994 SafetyGroup



Mixing Valve
LK 552 HydroMix



Safety Valve
LK 514 MultiSafe



Tap Water Unit
LK 250 TapWater Unit



Temperature Controller
LK 152 SmartSolar SLL



Hot Water Circulation Unit
LK 551 HWC HydroKit



Pump Groups
LK HydronicGroup C/C 90 & 125

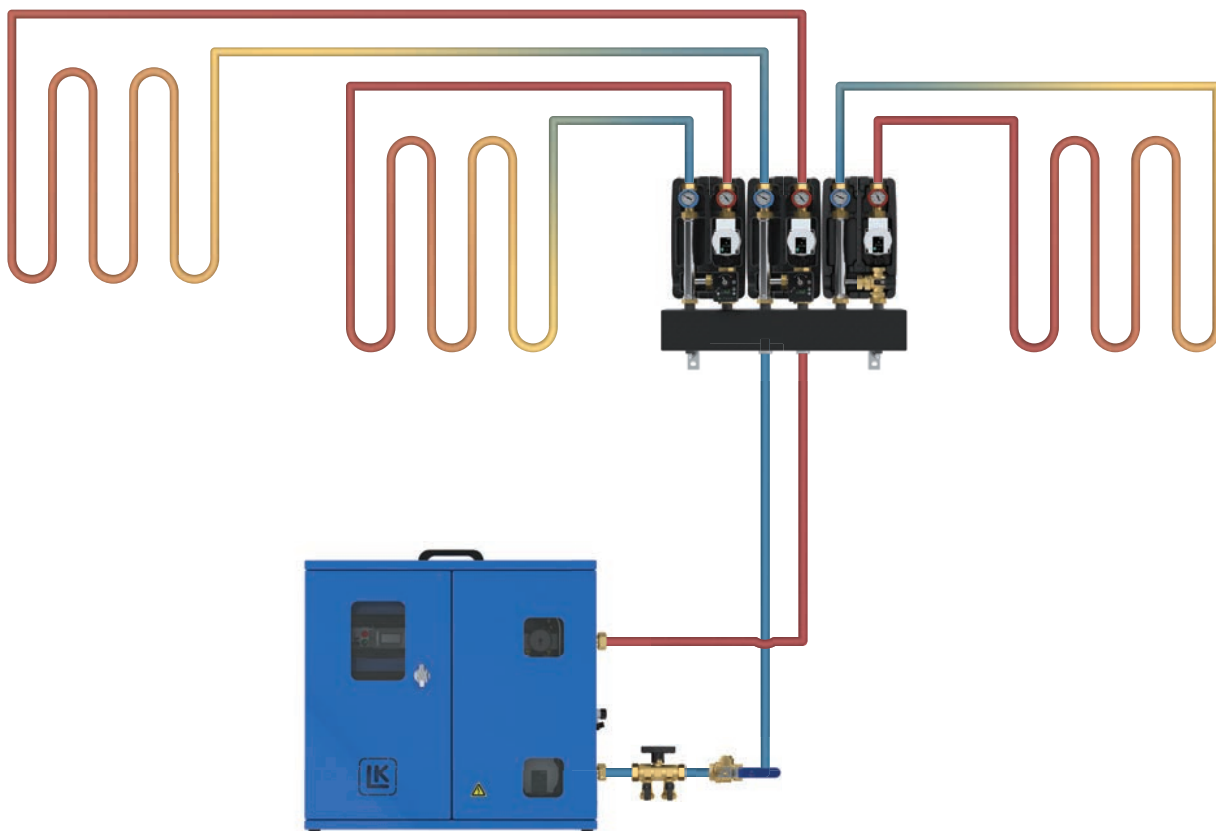


Solar Pump Units
LK 211 S, LK 212, 212 S SolarStation



Temperature Controller
LK 152 SmartSolar CS Plus





Products for Underfloor Heating

Shunt Group
LK 419 ManifoldShunt



Shunt Group
LK 423 MiniLoop RTC



Electric Portable Boiler
LK 440 EasyHeat



Shunt Group
LK 420 Minishunt 2.0



Mixing Valve
LK 551 HydroMix



Electric Portable Boiler
LK 450 P EasyHeat



Shunt Group
LK 421 ManifoldShunt



Flow Adjustment Valve
LK 435 OptiFlow



Electric Portable Boiler
LK 450 M EasyHeat



Shunt Group
LK 422 ManifoldShunt Tmax

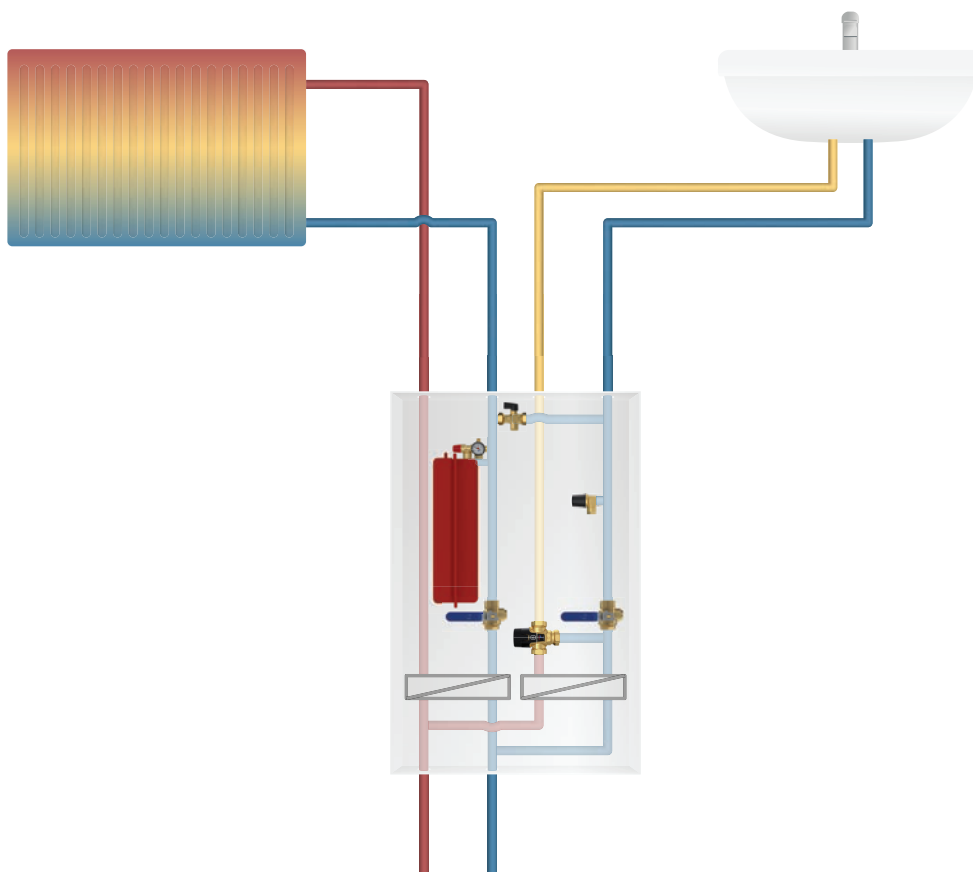


Temperature Controller
LK SmartComfort



Pump Groups
LK HydronicGroup C/C 90 & C/C 125





Products for District Heating

Valve Combination
LK 548 AquaKit



Mixing Valve
LK 840 2.0 ThermoMix®



Mixing Valve
LK 551 HydroMix



Zone Valve
LK 525 3R MultiZone



Hot Water Circulation Unit
LK 551 HWC HydroKit



Filling Valve
LK 538 ThermoFill®



Filter Ball Valve
LK 522 FilterBall



Safety Valve
LK 514 MultiSafe



Tap Water Unit
LK 250 TapWater Unit



Pump Groups
LK HydronicGroup C/C 90 & 125



Temperature Controller
LK SmartComfort



Prefabricated pipes
Prefabricated pipes,



Safety Group
LK 994 SafetyGroup



Filling Valve
LK 534 ThermoFill®



Expansion
Vessel

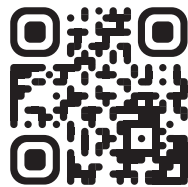


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Product Catalogue



Product Catalogue 2025

You will find our new product catalog for 2025 quickly and easily, in several languages, via the QR code below!



Filling Valves



LK 321 MultiFill® Solar

- Compact design
- Quick installation



LK 521 MultiFill®

- For geothermal heat pumps
- Compact design
- Insulation protects against condensation and icing
- Minimal pressure drop due to the placement of the filter in the ball



Safety Group



LK 994 SafetyGroup

- Adjustable bracket
- Automatically closes against the heating system when removing expansion vessel



Safety Relief Valve



LK 519 ThermoSafe

- Prevents the temperature of the boiler water from rising above the boiling point.
- Protective flexible hose for capillary tube



Diverting / Zone Valve



LK 525 MultiZone 3R

- Low internal leakage
- The slide is designed to provide accurate regulation at low flows
- Click system for actuator



Filter Ball Valves



LK 522 FilterBall
LK 522 FilterBall Magnet

- DZR Brass
- Easy to clean the filter



Loading Units



LK 810 ThermoMat 2.0 G
LK 811 ThermoMat 2.0 W

- Compact design
- Adjustable return temperature (LK 811)
- Electronic regulation ensures an easy operation (LK 811)



Mixing Valves



LK 840 HG ThermoMix® 2.0
LK 850 HG ThermoMix® 2.0

- Easy to adapt for electronic controller
- Suitable for pump groups



Valve Actuator



LK 950 Valve Actuator

- Up to 10 Nm
- Wide range of products



Thermic Valves

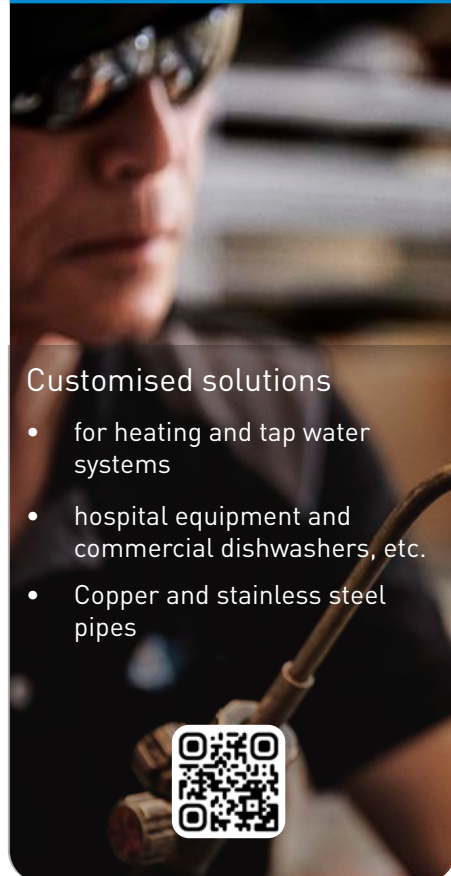


LK 823 ThermoVar® R

- Increases system efficiency
- Prevents condensation and tarring
- Adjustable temperature



Prefabrication



Customised solutions

- for heating and tap water systems
- hospital equipment and commercial dishwashers, etc.
- Copper and stainless steel pipes



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FOR THE SIMPLER, SMARTER EVERYDAY

Simpler. Smarter. More sustainable. At LK, we believe there's a better way to do everything. It's a belief all of us at LK apply to every product and solution we create – from water, heating and hydronic solutions to pipe extrusion.

LK Armatur is a leader in Europe, producing millions of valves per year for the global HVAC market. Beyond individual products, we understand how all parts interact in your complete application. From standard to sophisticated customizations of valves, controllers, components and prefabricated units, our full-spectrum expertise makes it easy to get the results you need today, while anticipating your needs tomorrow.

