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With the intelligence of water.

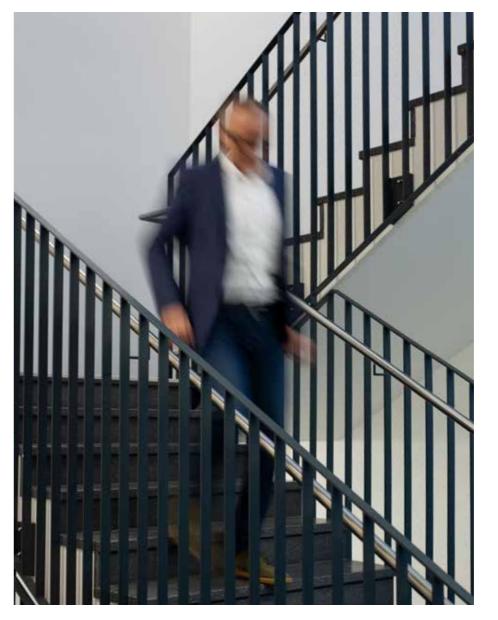
Our Mission

Using the special properties of water, LINK3 forms the most efficient bridge between heat generation and consumption. With proven high yields, we not only offer extremely profitable investments, but are also actively committed to curbing climate change.





As a motivated team, we always strive for common ground, maintain high quality standards and fulfill our promises in order to create only winners - be it within our organization, for our suppliers and partners as well as for the environment.



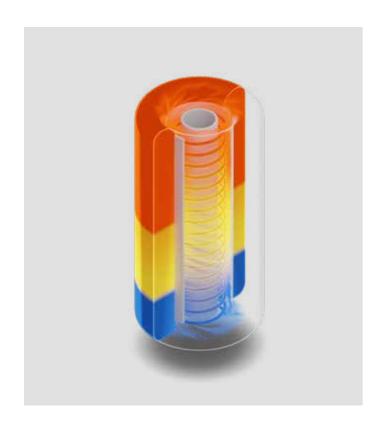
LINK3 takes nature as its model and saves the heating system unnecessary work. The result is savings through higher efficiency and, subsequently, a longer service life for the heat generators. Simplifying the heating technology even reduces overall costs.

Maintenance and repair costs are also reduced by saving on pumps, valves, switching elements and control requirements. You also benefit from the high advantages such as protection against calcification and in the event of a power failure.

Counter-current exchanger technology

How a law of nature revolutionizes heating technology

The integrated counter-current exchanger technology is a completely new and patented type of heat exchanger. It combines the still widely used register technology with the common plate heat exchanger technology. It combines the advantages of both types of heat exchanger and eliminates their respective disadvantages. In addition, it creates stratification effects that result in increased available storage capacity and additional energy savings.







LINK3 combines all the advantages of register technology and plate heat exchanger technology and offers many more benefits.

- + best combined storage tank (according to stratification efficiency test SPF Rapperswil)
- + stratification retention in every performance range
- + safe against temperature mixdown, up to 100% more storage capacity
- + highest hygiene and operational safety
- + reduces the power requirements of heat generators
- + function through physics requires no maintenance
- + from single-family homes to wellness hotels
- + integrated heating expansion tank
- + resistant to dirt and corrosion prevents calcification

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Overview

Performance on every level.

Dynamic electricity tariff usage: LINK3 auxiliary storage for highly efficient use in the context of dynamic electricity prices. For specific applications, feel free to contact the LINK3 technical department.

		POWERLINK	
0.11	Basic	Plus	Sun
Criteria	P950HZ-0306	P950HPZ-0306	P950HSZ-0306
Thermal storage capacity in kWh	60	60	60
integrated expansion tank	+	+	+
Cold water connection and drain front/rear	+	+	+
Sensors freely selectable	7	7	7
Front/rear heating connections	+	+	+
Convection exchanger technology	+	+	+
Zone separation	4	4	4
Horizontal single-layer diffuser technology	+	+	+
Laminar flow concept	+	+	+
Fresh hot water preparation in kW	200	200+100=300	200
Enables hot water preparation according to B1921	+	+	+
Side connectors for tank unit expansion	+	+	+
Suitable for heating/cooling	+	+	-
Circulation heat exchanger 3.75 kW	+	+	+
Powerful solar heat exchanger	-	-	+
Storage nominal capacity	9001	9001	9001
Hot water at storage tank 65°C hot water zone	4201	4401	4201
Number of households (NL) at 55°C (energy only)	5	11	5
Number of households (NL) at 65°C	11	36	11
Number of households (NL) at 75°C	20	70	20
from room height in cm (incl. 100mm manip. height)	213	213	213
from door width in cm	80	80	80
Heat pump up to kW maximum	28	28	28
Other heat generators up to kW maximum	80	80	80

COMFORTLINK
Sun
C950HS-0306
60
+
+
7
+
+
4
+
+
100
+
+
-
-
+
9001
400
1
2
3
214
80
20
60

DUOLINK	ECOLINK
Cool	New
D750H-0306	E530H-0306
50	30
+	+
+	+
7	4
+	-
+	+
3	2
+	+
+	+
100	90
+	+
+	-
+	-
-	-
-	-
7501	500
370	350
1	1
2	1
3	2
201	193
80	66
18	12
50	30

SATELLITE		
Auxiliary Storage Tank		
S950-0300	\$750-0300	
60	50	
+	+	
front/rear	emptying	
+	+	
+	+	
-	-	
1	1	
+	+	
+	+	
-	-	
-	-	
+	+	
-	-	
-	-	
-	-	
900	7501	
-	-	
-	-	
-	-	
-	-	
214	201	
80	80	
28	18	
80	60	

ECOLINK-New

The ideal stratified storage tank for heat pumps.



- + Hot water for 1-2 residential units (at temperature 50-65°C)
- + up to 12 kW heat pump
- + up to 30 kW biomass, oil or gas
- + thermal storage capacity of up to 30 kW/htherm

Optimal coordination for heat pumps with surface heating without cooling makes the ECOLINK-New the cheapest entry into LINK3 technology. With a capacity of 500 liters (equivalent to the performance of approximately 750 liters of a conventional storage tank), a diameter of only 650 mm (uninsulated), and a height of 1,830 mm (insulated), it is a real space miracle!

ECOLINK	ECOLINK-New
Facts & Figures	E530H-0306

Features		
Hygienic domestic hot water heating*	up to 90 kW	
Integrated expansion vessel**	+	
Integrated immersion sleeve Ø 13 mm (up to 4 sensors freely positionable)	+	
2-zone laminar flow concept	+	

Connections		
Hot water Rp 1" top	top	
Cold water G 1" flat Drain outlet Rp 3/4"	front and rear	
Heating 2-5 G 1" flat Nitrogen Rp 1/2"	front	

Dimensions		
Diameter	Uninsulated: 650 mm / Insulation EEfKI B: 850 mm	
Height uninsulated	1.750 mm	
Tilt angle	1.800 mm	
Height isolated B	1.830 mm	
Nominal capacity	500 I	
Weight	138 kg	

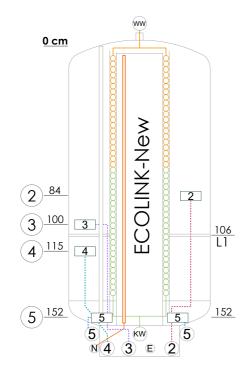
Other technical data		
Max. operating pressure Max. operating temperature	DHW*: Operating pressure 6 bar, Test pressure 10 bar Heating: Operating pressure 3 bar, Test pressure 6 bar DHW*: 85°C Heating: 95°C	
Domestic hot water output up to	2 housing units	
Heat exchanger surface in counterflow	DHW: 6.8 m ²	
Water capacity	DHW: 28 liters	
Heat loss insulation EEKI B	78 W	

LINK3 is happy to assist with sizing.

 $^{{}^{\}star}\mathsf{Please}\ \mathsf{note}\ \mathsf{that}\ \mathsf{standards}, \mathsf{guidelines}, \mathsf{and}\ \mathsf{local}\ \mathsf{water}\ \mathsf{quality}\ \mathsf{must}\ \mathsf{be}\ \mathsf{taken}\ \mathsf{into}\ \mathsf{account}.$

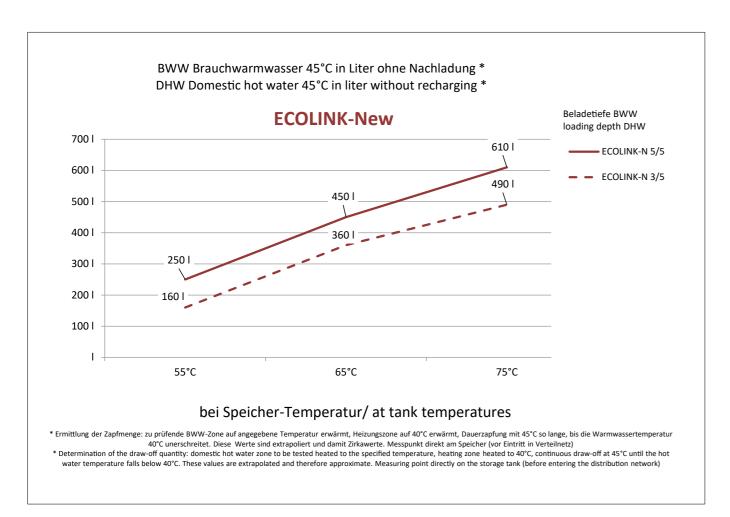
^{**}Depending on system height, capacity, and operating temperature, an extra expansion vessel might be required.

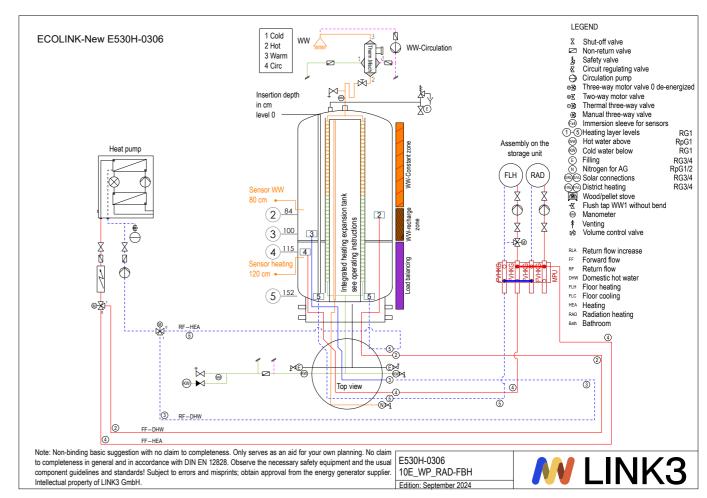
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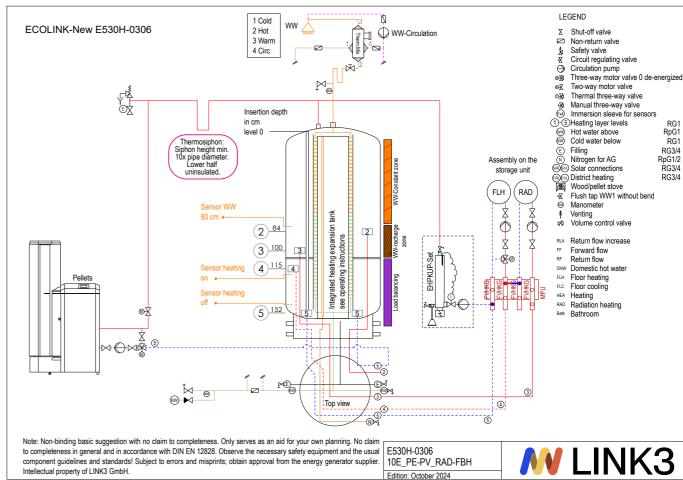


ECOLINK-New

The new ECOLINK-New is perfectly tailored to heat pumps in the private sector without a cooling function. With dimensions of 650 mm diameter and 1750 mm height without insulation, it will find its way into any boiler room. With a zone volume in favor of hot water preparation, it offers great convenience in hot water preparation and meets the requirement for heating load balancing for modulating heat pumps up to an output of 12 kW. The integration of solar systems up to a maximum of 7,5 m² collector area via a solar station with integrated plate heat exchanger, or water-based livingroom stove up to a maximum output of 9 kW on the water side is possible.







DUOLINK-Cool

Hot water, heating and cooling in a stratified storage tank.



- + Hot water for 1-3 residential units (at temperature 50-70°C)
- + up to 18 kW heat pump
- + up to 50 kW biomass, heating oil or gas
- + tested by SPF-Rapperswil www.spf.ch
- + thermal storage capacity of up to 50 kW/htherm

The DUOLINK heating water manager delivers the highest stratification efficiency (without hot water time window restrictions!). This has been confirmed by the SPF Rapperswil (CH) testing institute!

DUOLINK	DUOLINK-Cool	Auxiliary Storage Tank	
Facts & Figures	D750H-0306	\$750-0300	

Features		
Hygienic domestic hot water heating*	100 kW	-
Integrated expansion vessel**	+	+
Integrated immersion sleeve Ø 22 mm (up to 7 sensors freely positionable)	+	+
3-zone laminar flow concept	+	+

Connections			
Hot water Rp 1" Ventilation Rp 1"	top	Venting only	
Drain outlet (Internal Thread 3/4") Cold water (External Thread 1", Flat) Heating 1-5 (External Thread 1", Flat)	front and rear	Connection 5 Drainage front and rear	
Side connections Rp 6/4"	2 top, 2 bottom (each 90° right/left to the main connections)		
Nitrogen Rp 1/2"	front		

Dimensions				
Diameter	ameter Uninsulated: 790 mm / Insulation EEfKI B: 1,000 mm			
Height uninsulated	1.855 mm			
Tilt angle	1.900 mm			
Height isolated B	1.910 mm			
Nominal capacity	750			
Weight	201 kg	132 kg		

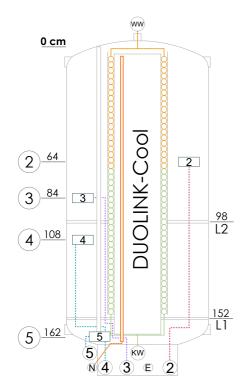
Other technical data			
Max. operating pressure Max. operating temperature	DHW*: Operating pressure 6 bar, Test pressure 10 bar Heating: Operating pressure 3 bar, Test pressure 6 bar DHW*: 85° C Heating: 95° C**		
Domestic hot water output without recharging	Dispensing capacity: up to 22 l/min., dispensing volume at 65° C: up to 390 liters		
Heat pump capacity	up to 18 kW or 3 m³ —		
Heat exchanger surface in counterflow	7.4 m²	_	
Water capacity	34 liter	-	
Heat loss insulation EEKI B	95 W		

LINK3 is happy to assist with sizing.

^{*}Please note that standards, guidelines, and local water quality must be taken into account.

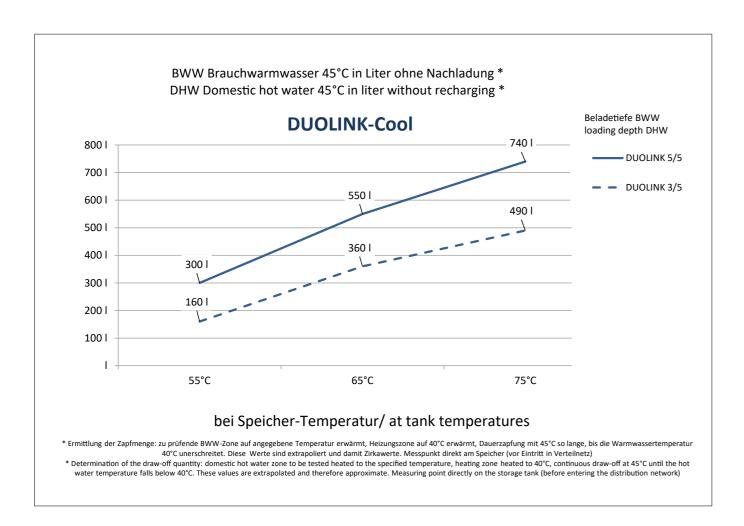
^{**}Depending on system height, capacity, and operating temperature, an extra expansion vessel might be required.

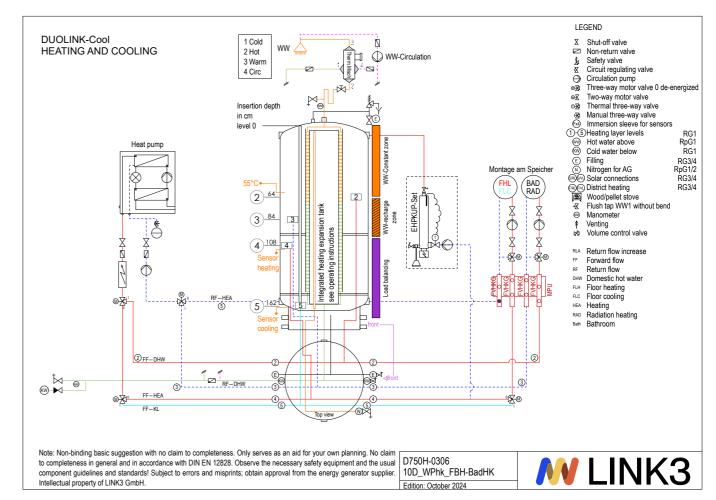
LINK3 DUOLINK

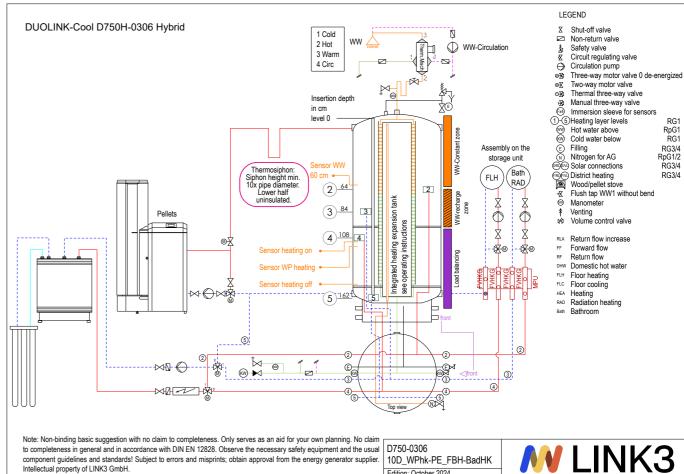


DUOLINK-Cool

The DUOLINK-Cool is the most efficient heat pump storage tank of all combination storage tanks. It enables highly efficient hot water preparation and heating and is the only storage tank that can also be used for cooling in summer (cold-proof insulation may need to be provided by the customer)! By dispensing with the otherwise required multiple storage tank concept in conjunction with air heat pumps, it not only offers greater efficiency, but also saves considerable space and piping costs. This automatically means less maintenance and repair work. The heating system becomes simpler and clearer for the operator. Hydraulic malfunctions are eliminated and the performance and service life of the heat pump are increased!







COMFORTLINK-Sun

Conveniently combine all systems simply and efficiently.



- + Hot water for 1-3 residential units (at temperature 55-65°C)
- + up to 20 kW heat pump
- + up to 60 kW biomass, heating oil or gas
- + up to 25 m² collector area
- + thermal storage capacity of up to 60 kW/htherm

The efficiency of combining systems with large water volumes (heat pumps, underfloor heating, wall heating) as well as with high-temperature generators (biomass heating, radiator heating, recirculation heating) and energy-saving concepts (solar, heat recovery, condensing boiler use) is achieved to the highest degree by the COMFORTLINK in the private sector.

COMFORTLINK	COMFORTLINK-Sun	Auxiliary Storage Tank
Facts & Figures	C950HS-0306	S950-0300

Features				
Hygienic domestic hot water heating*	up to 100 kW	-		
Solar register with stratified charging effect up to approx. 20 m² collectors**	up to 40 kW	-		
Integrated expansion vessel***	+	+		
Integrated immersion sleeve Ø 22 mm (up to 7 sensors freely positionable)	+	+		
4-Zone laminar flow concept	+	-		

Connections				
Hot water Rp 1" Ventilation Rp 1"	top	venting only		
Drain outlet (internal thread 3/4") Cold water (external thread 1", flat) Heating 1-5 (external thread 1", flat) Solar flow/return (external thread 3/4", flat)	front and rear	-		
Side connections Rp 6/4"	2 on top, 2 on bottom (each 90° right/left to the main connections)			
Nitrogen Rp 1/2"	front			

Dimensions				
Diameter	Uninsulated: 790 mm / Insulation EEfKI B: 1,000 mm			
Height uninsulated	1.931 mm			
Tilt angle	2.005 mm			
Height isolated B	2.030 mm			
Nominal capacity	9001			
Weight	208 kg 142 kg			

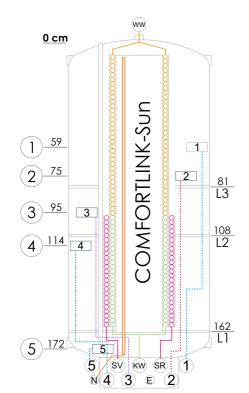
Other technical data				
Max. operating pressure Max. operating temperature	DHW*: Operating pressure 6 bar, Test pressure 10 bar Heating: Operating pressure 3 bar, Test pressure 6 bar Solar circuit: Operating pressure 6 bar, Test pressure 10 bar DHW*: 85°C Heating: 95°C Solar circuit: 110°C			
Domestic hot water output up to	3 housing units			
Heat exchanger surface in counterflow	DHW: 7.40 m² Solar: 3.7 m²	-		
Water capacity	DHW: 32 liters Solar: 9.90 liters	-		
Heat loss insulation EEKI B	97 W			

LINK3 is happy to assist with sizing.

^{*}Please note that standards, guidelines, and local water quality must be taken into account.

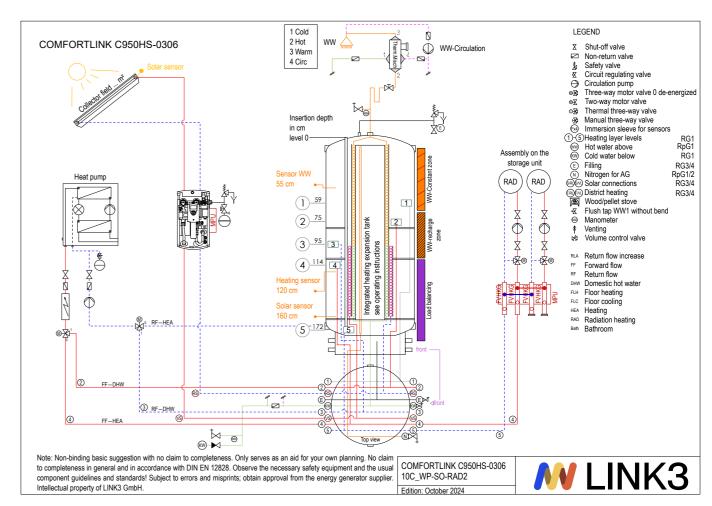
^{**}Depending on the system, additional square meters may be possible.

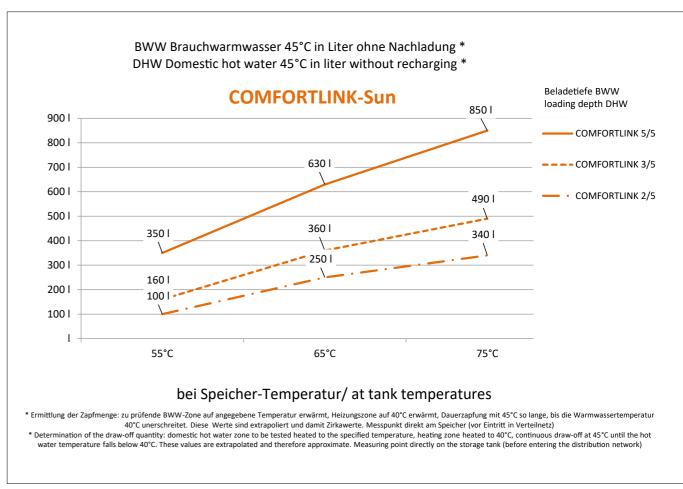
^{***}Depending on system height, capacity, and operating temperature, an extra expansion vessel might be required.



COMFORTLINK-Sun

The COMFORTLINK-Sun is the convenient solution that combines highly efficient solar thermal energy with any heat generator. The more combinations of different heat generator and consumer systems are used, the more its efficiency increases.





POWERLINK-Basic/Plus/Sun

Powerful heating water management for large systems and high-end private systems.



- + up to 11 residential units at 65°C, triple up to 400 RUs
- + up to 20 residential units at 75°C, triple up to 800 RUs
- + up to 28 kW heat pump
- + triple up to 84 kW heat pump
- + with circulation heat exchanger for B1921 / W551
- + up to 25 m² collector area
- + thermal storage capacity of up to 60 kW/htherm

The POWERLINK is actually the most powerful and most affordable solution for large systems. Up to 36 residential units can be supplied by the POWERLINK-Plus in a hygienic manner at a manageable storage temperature of 65°C. That's world

POWERLINK	POWERLINK-Basic	POWERLINK-Plus	POWERLINK-Sun	Auxiliary Storage Tank
Facts & Figures	P950HZ-0306	P950HPZ-0306	P950HSZ-0306	S950-0300

Features				
Hygienic domestic hot water heating*	up to 200 kW	up to 300 kW	up to 200 kW	_
Solar register with stratified charging effect up to approx. 25 m² of collectors**	-	-	up to 50 kW	-
Integrated expansion vessel***	+			
Integrated immersion sleeve DM 22 mm	up to 7 sensors freely positionable			
4-zone laminar flow concept	+			_
Circulation heat exchanger (DVGW-W 551; ÖN 1921)	3.75 kW at 65°C, 7.5 kW at 70°C, 11.25 kW at 75°C			_

Connections				
Domestic hot water Rp 5/4" Ventilation Rp 1" top ven				
Drain outlet (internal thread 3/4") Cold water (external thread 1", flat) Heating 1-5 (external thread 1", flat) Solar Flow/Return (external thread 3/4", flat)	front and rear	-		
Side connections Rp 6/4"	2 top, 2 bottom (each 90° right/left to the main connections)			
Nitrogen Rp 1/2"	front			
Circulation heat exchanger for standard-compliant hygiene G 3/4"	both on top	-		

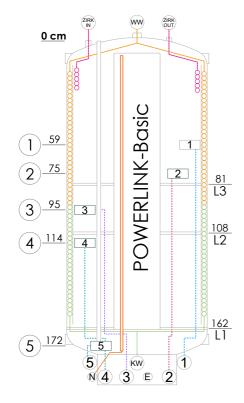
Dimensions				
Diameter	Uninsulated: 790 mm / Insulation EEfKI B: 1,000 mm			
Height uninsulated	1.931 mm			
Tilt angle	2.005 mm			
Height isolated B	2.040 mm			
Nominal capacity	9001			
Weight	210 kg 225 kg 220 kg 142 kg			

Other technical data								
Max. operating pressure Max. operating temperature	DHW*: Operating pressure 6 bar, Test pressure 10 bar Heating: Operating pressure 3 bar, Test pressure 6 bar Solar circuit: 6 bar, Test pressure: 10 bar DHW*: 85°C Heating: 95°C Solar circuit: 110°C							
DHW output up to res. unit / hotel room	20 / 16	55/30	20 / 16	_				
Heat exchanger surface DHW1		14.8 m² (200 kW) —						
Heat exchanger surface DHW 2	-	7.4 m² (100 kW)	-	_				
Heat exchanger surface Solar	-	_	3.7 m² (50 kW)	_				
Water capacity	DHW 1: 6	64 liters Solar: 9.90 liters DHW 2:	34 liters	_				
Heat loss insulation EEKI B	97 W	97 W	97 W	97 W				

LINK3 is happy to assist with sizing.

^{*}Please note that standards, guidelines, and local water quality must be taken into account.
**Depending on the system, additional square meters may be possible.

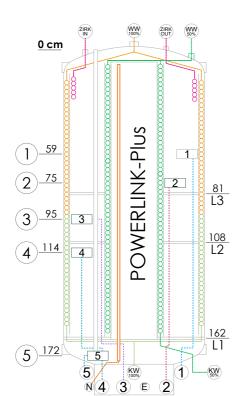
^{***}Depending on system height, capacity, and operating temperature, an extra expansion vessel might be required.



POWERLINK-Basic

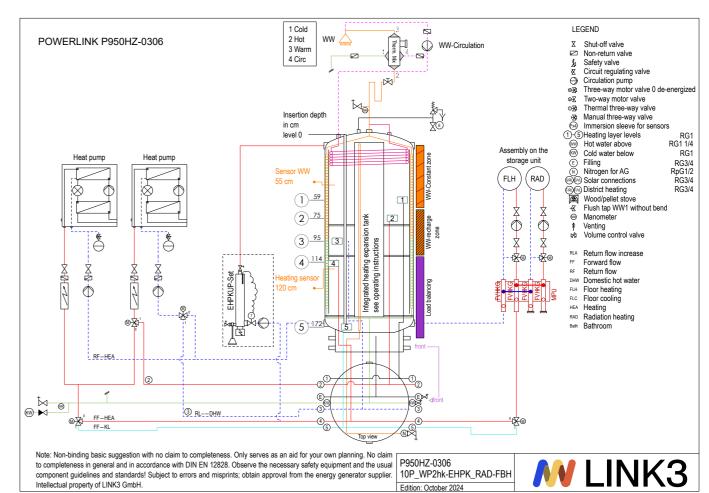
For commercial systems with any heat generator or their combination or high requirements in the private sector. Modular use scales up to performance classes for large-scale catering, high-density residential buildings, nursing and hospital facilities, and much more.

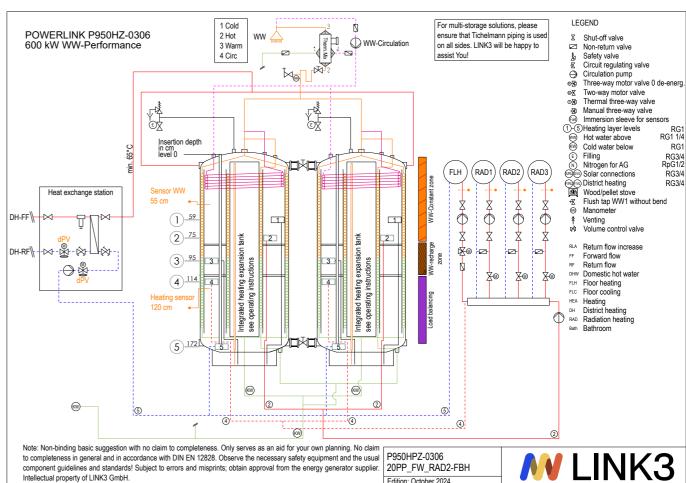
The POWERLINK-Basic enables hygienic use and provides highly efficient hot water circulation and protects against unnecessary power commitment (nominal output 200 kW).



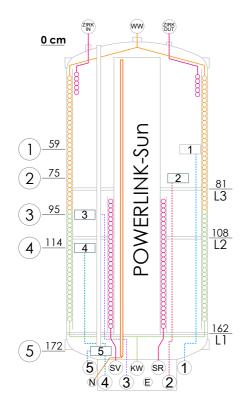
POWERLINK-Plus

The POWERLINK-Plus is suitable for operation with two separate hot water distribution circuits (each with its own metering unit). When both hot water exchangers are operated in parallel, the POWERLINK-Plus enables a hot water output of 150% (nominal output 300 kW).



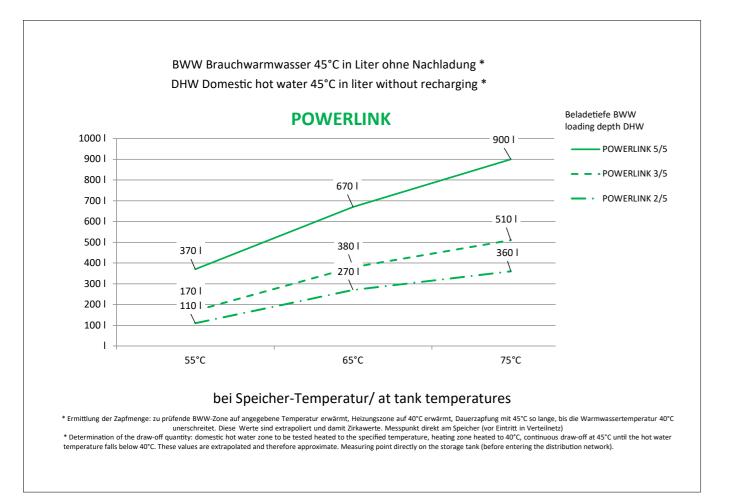


LINK3 POWERLINK



POWERLINK-Sun

The POWERLINK-Sun is the highly efficient solar thermal solution in the tourism sector or for particularly high demands in the single-family sector in combination with a heat pump. It contains a powerful solar heat exchanger with a stratified charging function for increased solar inputs of up to 25%.



Domestic Hot Water Preparation Table POWERLINK (-Plus)

The numbers shown in parentheses indicate the quantity of POWERLINK-Plus units with 150% exchanger capacity. The numbers without parentheses indicate the quantity of standard POWERLINK units (Basic or Sun) with 100% exchanger capacity.

Residentials	60		Doci	don	+: ala		>		_	_		>			loto	la		v
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14	12		2 (1)	2(1)		1	16 kW		583 I	798 I	2,10 m³	13 kW			2(1)	1	1	11
16	14				1	1	19 kW			931 l						1	1	13
20	16	2	2 (1)		2(1)	1	20 kW	1,08 l/s	647 I	1,0 m³		15 kW	2			2(1)	1	14
22	18	2	2 (1)	2(1)	2(1)	1	22 kW	1,12 l/s	674 l	1,1 m³	3,15 m³	15 kW	2	2 (1)	2(1)	2(1)	1	15
24	20	2	2 (1)	2(1)	2(1)	1	23 kW	1,17 l/s	700 I	1,1 m³	3,50 m³	16 kW	2	2 (1)	2(1)	2(1)	1	16
26	22	2	2 (1)	2(1)	2(1)	2(1)	24 kW	1,20 l/s	723 I	1,2 m³	3,85 m³	16 kW	2	2 (1)	2(1)	2(1)	2(1)	17
28	24	2	2 (1)	2(1)	2(1)	2(1)	25 kW	1,24 l/s	744 l	1,3 m³	4,20 m³	17 kW	2	2 (1)	2(1)	2(1)	2(1)	18
30	26	2	2	2(1)	2(1)	2(1)	27 kW	1,27 l/s	764 l	1,3 m³	4,55 m³	17 kW	2	2	2(1)	2(1)	2(1)	19
32	28	2	2	2(1)	2(1)	2(1)	29 kW	1,30 l/s	783 I	1,4 m³	4,90 m³	18 kW	2	2	2(1)	2(1)	2(1)	20
34	30	2	2	2(1)	2(1)	2(1)	30 kW	1,33 l/s	801 l	1,5 m³	5,25 m³	18 kW	2	2		2(1)	2(1)	21
36			2	2(1)		2(1)	32 kW	1,36 l/s	818 l	1,6 m³	5,60 m³	19 kW	2				2(1)	
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800 5(4) 4(3) 4(3) 4(3) 3(2) 563 kW 3,30 l/s 2,0 m ³ 11,9 m ³ 140 m ³ 57 kW 5(4) 4(3) 4(3) 4(3) 3(2) 125	700		4(3)				493 kW		1,9 m³	11,5 m³	123 m³	54 kW	5(4)	4(3)				117
1000 5(4) 5(3) 4(3) 4(3) 3 704 kW 3.49 l/s 2.1 m ³ 12.6 m ³ 175 m ³ 64 kW 5(4) 5(3) 4(3) 4(3) 3 130	800	5(4)	4(3)	4(3)	4(3)	3(2)		3,30 l/s	2,0 m ³	11,9 m³	140 m³	57 kW		4(3)	4(3)	4(3)	3(2)	125
	1000	5(4)	5(3)	4(3)	4(3)	3	704 kW	3,49 l/s	2,1 m³	12,6 m³	175 m³	64 kW	5(4)	5(3)	4(3)	4(3)	3	139

*In order to calculate the "size" of a drinking water heater (storage tank, fresh water station, instantaneous water heater), you need the standardized requirement index N (hot water equirement - according to DIN 4708 Part 2) and the measured performance index NL (necessary power to be supplied - according to DIN 4708 Part 3). After the hot water requirement has been calculated, the appropriate drinking water heater is determined using the performance index from the manufacturer's documentation.

LINK3 Planning

Table for additional expansion vessel

Only applies to single-family home application

	LION	v ten			e)									_		LIIVING								VOI	ume 50
System performance	Щ.		10 kW					15 kW					20 kW				25	kW			3	30 kV	/		Enlargement of expansion vess
max. System -Temp. \rightarrow	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	no	recor	nmend	ation	n	o rec	omm	endat	tion	each add. LINK
Height / pre pressure / Operating pr		\Box		T		_	_	_			_	_	·	1	_									\dashv	
6 m / 1 bar / 1,3 bar	0	0	0	18	35	0	0	0	25	35	0	0	18	35	50										20%
8 m / 1 bar / 1,3 bar	0	0	0	18	35	0	0	0	25	35	0	0	18	35	50										25%
10 m / 1,2 bar / 1,5 bar	0	0	18	35	50	0	0	25	50	80	0	0	35	50	80										55%
12 m / 1,4 bar / 1,7 bar	0	18	35	80	80	0	18	50	80	100	0	25	50	100	100										68%
onvectors / Ventilation	(high	ı ten	nper	atur	e)																				
System performance			10 kW		<u>-, </u>			15 kW	/				20 kW				25	kW			3	30 kV	/		Enlargement o
max. System -Temp. →	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	no	recor	nmend	ation	r	o rec	omm	endat	tion	expansion vess each add. LINK
System height / Pre pressure / Ope			ـــــــــــــــــــــــــــــــــــــــ				-	, 0		50			, 0		-						.0	······	ciida		Cacil add. Eller
6 m / 1 bar / 1,3 bar	0	0	0	18	25	0	0	0	18	35	0	0	0	18	35										20%
8 m / 1 bar / 1,3 bar	0	0	0	18	35	0	0	0	18	35	0	0	0	18	35										25%
10 m / 1,2 bar / 1,5 bar	0	0	0	35	50	0	0	18	35	50	0	0	18	35	50										55%
	1 1				_				-					\dashv											-
12 m / 1,4 bar / 1,7 bar	0	0	35	50	80	0	0	25	50	80	0	18	35	80	100										68%
nderfloor- / Wall heating System performance	g (lo		empe 10 kW		ıre)		:	15 kW	/			:	20 kW	1	L	INK3-		rage kw	tank	wit		omi 30 kW		volu	Enlargement of
max. System -Temp. →	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	50°	60°	70°	80°	90°	50° 6	0° 7	0° 80	90°	no	recor	nmei	ndatio	on	expansion vess each add. LINK
System height / Pre pressure / Ope	rating r	oressur	·e																						
6 m / 1 bar / 1,3 bar	0	0	0	25	50	0	0	0	35	50	0	0	18	50	80	0	0 2	5 50	80						20%
8 m / 1 bar / 1,3 bar	0	0	0	25	40	0	0	0	35	50	0	0	18	50	70	0) 2	5 50	80	1					25%
10 m / 1,2 bar / 1,5 bar	0	0	25	50	80	0	0	35	80	100	0	0	50	70	100	0 1	8 5	0 80	118	İ					55%
12 m / 1,4 bar / 1,7 bar	0	25	50	100	118	0	25	80	100	150	0	35	80		150	-+	+	00 150	+	1					68%
								00	100	150	Ů		00		150	٠١٠	<u> </u>	201	1200						0070
onvectors / Ventilation	nign		nper 10 kW		e)			15 kW	,				20 kW	,			25	kW				30 kV	/		Enlargement o
System performance	50°	60°		80°	90°	50°	60°	70°	80°	90°	50°	60°	70°		90°	50° 6		0° 80'	90°					00	expansion vess
max. System -Temp. → System height / Pre pressure / Oper			70°	80	90	50	60	70	00	90	50	00	70	80	90	30 0	0 /	0 00	90	110	reco	IIIIIe	IIuatii	ווע	each add. LINK
6 m / 1 bar / 1,3 bar	0	0	0	18	35	0	0	0	25	50	0	0	0	25	50	0	0	35	50					\dashv	20%
8 m / 1 bar / 1,3 bar	0	0	0	18	50	0	0	0	25	50	0	0	0	25	50	-	+	35	+	1					25%
	L	0		50	80						0					_	+	_	+						
						0	0	25	50	80	U	0	25	50	80	0) 2	5 50	80						55%
10 m / 1,2 bar / 1,5 bar	0		0		-	0	0	25	90	100	Λ	25	I 50 I	οn I	125	n 2	5 6	0 00	150	ı					68%
	0	0	50	80	100	0	0	35	80	100	0	25	50	80	125			0 80	1						000
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar	0	0	50	80	100	0	0	35	80	100	0	25	50	80				-	1	with	no:	min	al v	olur	ne 90 0
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar	0	o w te	50	80 erati	100	0		35 15 kW		100	0		50 20 kW				tor	-	1	with		min 30 kw			Enlargement of
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar	0	o w te	50	80 erati	100	0 50°				100 90°	0 50°			,		NK3-S	tor	age t	ank v	with					Enlargement of expansion ves
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. →	0 (lo	0 ow te	50 empe 10 kW	80 eratu	100			15 kW	/				20 kW	,	LII	NK3-S	tor	age t	ank v		3	30 kV	/		Enlargement of expansion ves
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance	0 (lo	0 ow te	50 empe 10 kW	80 eratu	100			15 kW	/				20 kW	,	LII	NK3-S	25 0° 7	age t	ank		3	30 kV	/		Enlargement of expansion ves
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Open	g (lo	0 ow te	50 empe 10 kW 70°	80 eratu V 80°	100 ure)	50°	60°	15 kW 70°	/ 80°	90°	50°	60°	20 kW 70°	80°	LII	50° 6	25 0° 7	age t	90°	50°	60°	30 kW 70°	80°	90°	Enlargement of expansion ves each add. LINI
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp> System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar	g (lo	60°	50 empe 10 kW 70°	80 eratu v 80°	100 ure) 90°	50°	60°	15 kW 70°	80°	90° 80	50°	60°	20 kW 70°	80° 50	LII 90°	50° 6	25 0° 7	age t kw 0° 80°	90° 80 80	50°	60°	70° 35	80° 80 80	90°	Enlargement of expansion vest each add. LINI
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar 8 m / 1 bar / 1,3 bar 10 m / 1,2 bar / 1,5 bar	9 (lo 50° rating p 0 0 0	60° oressur 0 0	50 empe 10 kW 70° e 0 0 25	80° 80° 25 25 50	100 90° 50 50 80	50° 0 0	60° 0 0	15 kW 70° 0 0 35	80° 35 35 80	90° 80 80	50° 0 0	60° 0 0	20 kW 70° 18 18 50	80° 50 50 80	90° 80 80	50° 6	25 0° 7	age t kw 0° 80° 5 50 5 50 0 80	80 80 150	50° 0 0 0	60° 0 0 25	70° 35 35	80° 80 80 100	90° 100 100 140	Enlargement of expansion vesseach add. LINN 20% 25% 55%
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar 8 m / 1 bar / 1,3 bar 10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar	0 (lo 50° rating p 0 0 0 0 0	60° 0 0 0 25	50 empe 10 kW 70° e 0 0 25 50	80° 80° 25 25 50	100 90° 50 50 80	50° 0	60°	15 kW 70° 0	80° 35 35 80	90° 80	50° 0	60°	20 kW 70° 18 18	80° 50 50 80	90° 80	50° 6	25 0° 7	age t kW 0° 80° 5 50 5 50	80 80 150	50° 0	60°	70° 35	80° 80 80	90° 100 100 140	Enlargement of expansion vest each add. LINN 20%
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar 8 m / 1 bar / 1,3 bar 10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar provectors / Ventilation	0 (lo 50° rating p 0 0 0 0 0	0 0 0 60° 0 0 0 25 1 ten	50 empe 10 kW 70° e 0 0 25 50	80 80° 80° 25 25 50 100 ratur	100 90° 50 50 80	50° 0 0	0 0 0 0 25	15 kW 70° 0 0 35 80	80° 35 35 80 100	90° 80 80	50° 0 0	0 0 0 0 35	20 kW 70° 18 18 50 80	80° 50 50 80 120	90° 80 80	50° 6	250° 77	sage t kw 0° 80° 5 50 5 50 0 80 00 150	80 80 150	50° 0 0 0	60° 0 0 25 50	30 kW 70° 35 35 80 100	80° 80 80 100 150	90° 100 100 140	Enlargement c expansion ves each add. LINV 20% 25% 55% 68%
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar 8 m / 1 bar / 1,3 bar 10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar onvectors / Ventilation System performance	g (lo	0 0 0 0 0 0 25 1 ten	50 empe 10 kW 70° 0 0 25 50 nper	80 80° 25 25 50 100 atur	100 90° 50 80 150 e)	50° 0 0 0	60° 0 0 25	0 0 0 35 80	80° 35 35 80 100	90° 80 80 100	50° 0 0 0	60° 0 0 0 35	20 kW 70° 18 18 50 80	80° 50 50 80 120	90° 80 80 118 180	50° 6 0 0 0 0 0 0 0 1 0 5	25 25 0 1	age t kw 0° 80° 5 50 0 80 0 150 kw	80 80 150 180	50° 0 0 0 0	0 0 0 25 50	35 35 35 80 100	80° 80 80 100 150	90° 100 100 140 200	Enlargement of expansion vest each add. LINF 20% 25% 55% 68%
10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar nderfloor- / Wall heating System performance max. System -Temp. → System Height / Pre pressure / Oper 6 m / 1 bar / 1,3 bar 8 m / 1 bar / 1,3 bar 10 m / 1,2 bar / 1,5 bar 12 m / 1,4 bar / 1,7 bar onvectors / Ventilation System performance max. System -Temp. →	g (lo 50° o 0 0 0 (high	0 0 60° 0 0 25 1 tem	50 empe 10 kW 70° 0 0 25 50 nper	80 80° 25 25 50 100 atur	100 90° 50 50 80	50° 0 0	0 0 0 0 25	15 kW 70° 0 0 35 80	80° 35 35 80 100	90° 80 80	50° 0 0	0 0 0 0 35	20 kW 70° 18 18 50 80	80° 50 50 80 120	90° 80 80	50° 6 0 0 0 0 0 0 0 1 0 5	25 25 0 1	sage t kw 0° 80° 5 50 5 50 0 80 00 150	80 80 150 180	50° 0 0 0	60° 0 0 25 50	30 kW 70° 35 35 80 100	80° 80 80 100 150	90° 100 100 140	Enlargement c expansion ves each add. LINi 20% 25% 55% 68%
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Pressure losses

DHW	DHW exchanger for POWERLINK-Basic/-Sun								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]						
25,0	1500	0,11	10,92						
30,0	1800	0,16	15,73						
35,0	2100	0,21	21,41						
40,0	2400	0,28	27,96						
45,0	2700	0,35	35,39						
50,0	3000	0,44	43,69						

DHW exchan	DHW exchanger for POWERLINK-Plus (both exchangers parallel)								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]						
37,5	2250	0,12	12,01						
45,0	2700	0,17	17,30						
52,5	3150	0,24	23,55						
60,0	3600	0,31	30,76						
67,5	4050	0,39	38,93						
75,0	4500	0,48	48,06						

DHW exchanger for COMFORTLINK / DUOLINK								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]					
12,5	750	0,11	10,92					
15,0	900	0,16	15,73					
17,5	1050	0,21	21,41					
20,0	1200	0,28	27,96					
22,5	1350	0,35	35,39					
25,0	1500	0,44	43,69					

DHW exchanger for ECOLINK-New								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]					
12,5	750	0,12	13,11					
15,0	900	0,18	18,87					
17,5	1050	0,24	25,69					
20,0	1200	0,31	33,55					
22,5	1350	0,40	42,47					
25,0	1500	0,49	52,43					

Heating (Connection 1 to	5 POWERL	INK 900 I
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]
33,3	2000	0,08	7,81
41,7	2500	0,12	12,20
50,0	3000	0,18	17,57
58,3	3500	0,24	23,91
66,7	4000	0,33	33,42
75,0	4500	0,45	45,07

Heating Connection 1 to 5 COMFORTLINK 900 I								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]					
33,3	2000	0,08	7,81					
41,7	2500	0,12	12,20					
50,0	3000	0,18	17,57					
58,3	3500	0,24	23,91					
66,7	4000	0,33	33,42					
75,0	4500	0,45	45,07					

Heatin	g Connection 2	to 5 DUOLIN	K 750 I
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]
33,3	2000	0,07	7,18
41,7	2500	0,11	11,22
50,0	3000	0,16	16,16
58,3	3500	0,22	22,00
66,7	4000	0,31	30,75
75,0	4500	0,41	41,47

Heating Connection 2 to 5 ECOLINK-New 500 I								
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]					
33,3	2000	0,07	7,03					
41,7	2500	0,11	10,98					
50,0	3000	0,16	15,81					
58,3	3500	0,22	21,52					
66,7	4000	0,30	30,08					
75,0	4500	0,41	40,57					

PLUS-exchanger POWERLINK / COMFORTLINK							
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]				
6,7	400	0,04	4,00				
10,0	600	0,09	9,01				
13,3	800	0,16	16,02				
16,7	1000	0,25	25,03				
20,0	1200	0,36	36,04				
23,3	1400	0,49	49,05				
26,7	1600	0,64	64,07				

Solar heat exchanger POWERLINK- / COMFORTLINK-Sun			
Mass flow [I/min]	Mass flow [I/h]	Pressure loss [bar]	Pressure loss [kPa]
0,8	50	0,01	0,63
1,7	100	0,03	2,51
2,5	150	0,06	5,76
3,3	200	0,10	10,06
4,2	250	0,16	15,59
5,0	300	0,22	22,45
5,8	350	0,31	30,56

Prefabricated piping system

Save time and space with the modular connection and piping set.



MPU

Universal mounting plate for setting up up to 3 standard pump stations provided by the customer with a line spacing of 125 mm or up to 4 pump groups with a line spacing of 90 mm. Pump and mixing systems can also be easily set up by yourself (e.g. bottom). Solar stations or other components can also be freely mounted above. MPUs are also often used as a mounting platform for cable routing. High load capacity of up to approx. 40 kg vertical load.



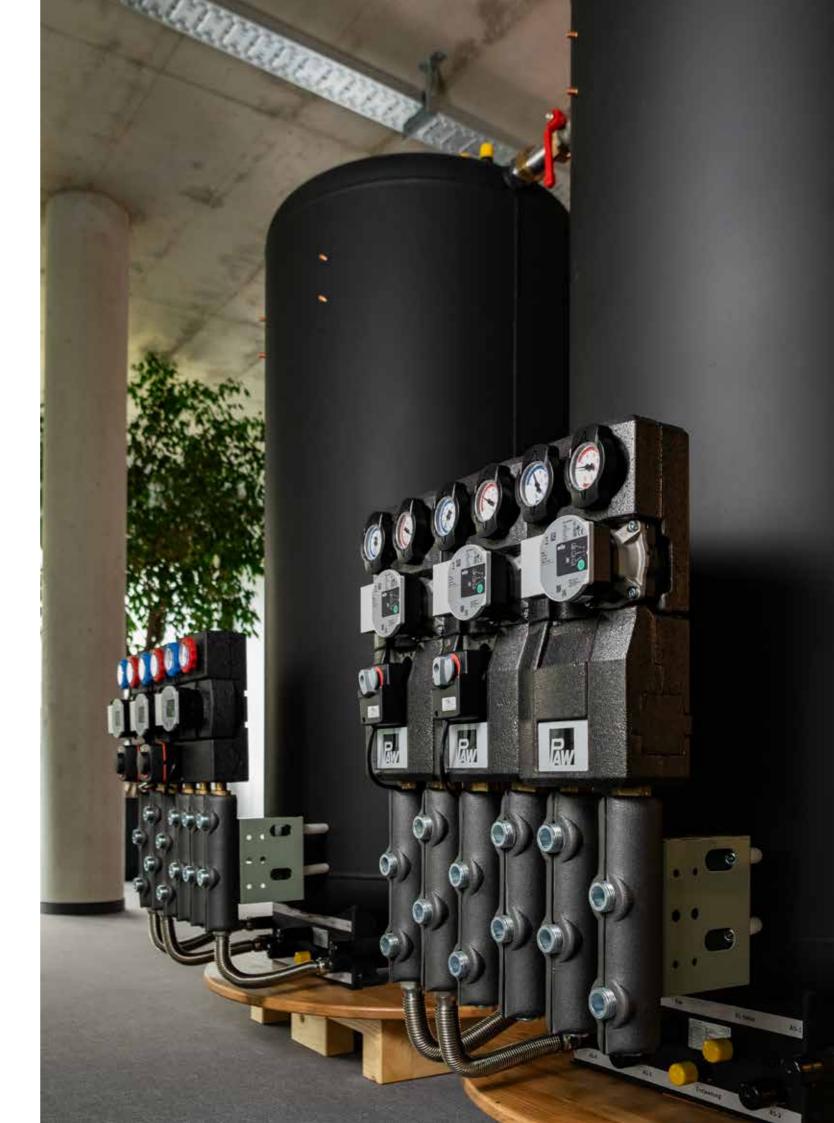
FVHKGS

Ready-made distributor for stable installation on the MPU mounting plate for the attachment of heating circuit groups. Connection to the storage tank via corrugated pipe connector DN23 with 1 inch union nut FV330; with two front connections 1 inch G flat for energy supply, energy diversion, parallel or series connection.



FV380 or FV330

Ready-made piping - corrugated pipe connections with a length of 380/330 mm for the storage-side piping of heating connections 1 to 5 to the FVHKGS with the installed heating circuit groups; is also often used as a connection extension for transfer to piping systems for existing, wall-mounted heating circuits. Since it is DVGW-tested, it can also be used as an extension of the cold water connection.



Equipment



Auxiliary tank Satellite

Auxiliary tanks can be connected in parallel to main tanks to increase storage capacity. Depending on the use, these may need to be locked or released by a zone valve according to the respective hydraulic requirements.

\$950-0300 thermal storage capacity up to approx. 60 kWh \$750-0300 thermal storage capacity up to approx. 50 kWh

\$530-0300 thermal storage capacity up to approx. 30 kWh - on request



Tank insolation

100mm insulation made of Neodul (polystyrene) for the highest insulation requirements. Inside with high-quality fleece to protect against air convection and chimney effects between the storage tank and the insulation. Fire class B1 (DIN 4102), 0.0316 W/mK (EN12667), with grained polystyrene surface

ISO950BP for all POWERLINK-Basic /-Plus /-Sun

ISO950BC for COMFORTLINK-Sun ISO750BD for DUOLINK-Cool ISO530BE for ECOLINK-New



DMS

The pressure-reducing regulator for proper and safe filling with nitrogen can be used via a 3/4" hose connection on the standard tank filling and draining tap.

ATTENTION: Never use nitrogen pressure cylinders without a pressure reducer! Comply with the instructions for use as well as the LINK3 Installation and Operating Instructions!



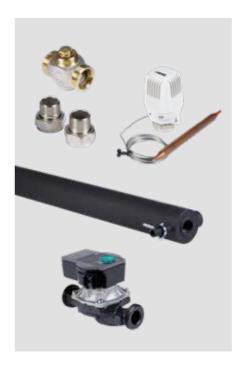
PVS4064KH

2 corrugated pipes DN40 for buffer tank connection with 2 inch union nuts DN40 with 2 inch union nuts on both sides, 2 reducing nipples 6/4 inch to 2" flat and a ball valve DN35. They are used for the stress-free connection of two storage tanks (main and/or supplementary storage tanks).



PVS40640V

2 corrugated pipes DN40 for buffer tank connection with DN40 with 2 inch union nut on both sides and 2 reducing nipples 6/4 inch to 2" flat are intended for use with 2-way or 3-way valves, 2-way or 3-way ball valves or other use provided or desired by the customer. They are used for the stress-free connection of two storage tanks (main and/or auxiliary storage tanks).



EHPKSK9

Electric heating cartridge body including 10mm insulating mat for gluing, for forced-flow, vertical operation of electric heating cartridges for thermal stratification (up to an insertion length of 980mm). Please check whether the heating element can be used vertically. When used in thermal stratification operation (gravity), ensure that the piping is short, as angle-free as possible and sufficiently large (at least DN28, DN35 from 3 kW, gravity application up to a maximum of 6 kW). The heating device must be installed as low as possible (= maximum convection force!). With integrated immersion sleeve for sensor and for the thermal element of the included thermostat head. Including thermal valve with reversed direction of action.

EHPKUP9

Extended set (EHPKSK including pump) for operation up to approx. 9 kW heating element (Pump: Wilo Yonos Pico or IMPPumps NMT MINI).

Two- and three-way valves



DWK25B08

3-way changeover ball valve, DN 25, external thread G 11/2", PN 40, Kvs 26 m³/h; recommended use up to max. 8 m³, valve body nickel-plated brass, medium temperature -10...100°C [14...212°F], A – AB: air bubble-tight, leakage rate A; B – AB: leakage class I, max. 1% of Kvs value, suitable motor with rotary drive DAB05AC

DWK32B10

3-way changeover ball valve, DN 32, external thread G 2", PN 25, Kvs 32 m³/h; recommended use up to max. 10 m³, valve body nickel-plated brass, medium temperature -10...100°C [14...212°F], A – AB: air bubble-tight, leakage rate A; B – AB: leakage class I, max. 1% of Kvs value, suitable motor for rotary drive DAB10AC



Thermal domestic water mixers 65°C

Central domestic hot water thermomixer with highly efficient circulation integration optimizes the hot water bulk quantity result and increases hot water comfort through homogeneous temperature supply. It can also be used for exergy-optimized flow increase circuits with heat pumps in hot water charging mode. The thermomixer reduces the required recharging power of the heat pump and improves its performance. Pressure level PN10, setting range of 45-65°C and a setpoint tolerance of +/- 1°K from a pressure loss of 6 kPa; below that +/-2°K.

BWMZ20-65	DN20 up to 1,7 m ³ (0,5 m ³)
BWMZ25-65	DN25 up to 3,0 m ³ (0,9 m ³)
BWMZ32-65	DN32 up to 6,0 m ³ (2,0 m ³)
BWMZ40-65	DN40 up to 9,0 m ³ (2,8 m ³)
BWMZ50-65	DN50 up to 12 m ³ (3,8 m ³)

Thermal domestic water mixers 80°C

Central domestic hot water thermomixer with highly efficient circulation integration optimizes the hot water bulk quantity result and enables thermal disinfection without bypass or removal. It can also be used for exergy-optimized flow increase circuits with heat pumps in hot water charging mode. The thermomixer reduces the required recharging power of the heat pump and improves its performance. Pressure level PN10, setting range of 65-80°C and a setpoint tolerance of +/- 1°K from a pressure loss of 6 kPa; below that +/-2°K.

BWMZ20-80	DN20 up to 1,7 m ³ (0,5 m ³)
BWMZ25-80	DN25 up to 3,0 m ³ (0,9 m ³)
BWMZ32-80	DN32 up to 6,0 m ³ (2,0 m ³)
BWMZ40-80	DN40 up to 9,0 m ³ (2,8 m ³)
BWMZ50-80	DN50 up to 12 m ³ (3,8 m ³)



ZWK32B10

2-way on/off ball valve, DN 32 external thread G 2", PN 25, Kvs 32 m 3 /h; recommended use up to max. 10 m 3 , valve body nickel-plated brass, medium temperature -10...100°C [14...212°F] air bubble-tight, leakage rate A, suitable with for rotary drive DAB10AC



WIL2560-180

Pump for upgrading from EHPKSK9 to EHPKUP9, DN25, with a delivery height of 6 m and an installation length of 180 mm.



DAB05AC

Rotary drive 5 Nm, AC 100...240 V, open/close, 3-point, motor running time $90 \, \text{s} / 90^\circ$, IP54, manual adjustment with push button, lockable, electrical connection with 1 m PVC cable

DAB10AC

Rotary drive 10 Nm AC 100...240 V, open/close, 3-point motor running time 90 s / 90° lP54, manual adjustment with push button, lockable, electrical connection cable 1 m PVC cable



IMP2560-180

Pump for upgrading from EHPKSK9 to EHPKUP9, DN25, with a delivery height of 6 m and an installation length of 180 mm.

Private facilities



Matthias Pichler GmbH

Renovation of a 3-unit house with a powerful 19 kW heat pump, 3 underfloor heating circuits and a spacious 17.5 m² solar system.

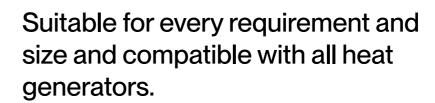
Even after 7 years, the storage tank continues to achieve standard hygiene values with a hot water temperature of 62°C.

Save energy and money through the most efficient hot water preparation in your private home.



Family Bartl

A loyal customer to LINK3 from the very beginning and still enthusiastic!





Single-family home Liebchen

Enormous space savings combined with maximum efficiency.

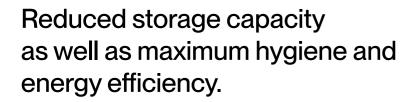
The system in Reith im Winkel, Bavaria, built by Toni Meier GmbH, supplies a holiday home with a wellness area and also includes a hydrogen production system. A large PV system converts excess electricity into hydrogen, which can then be converted back into heat when needed. In this system, a reliable stratified storage system is particularly important to avoid unnecessary efficiency losses.

Large facilities



Quellenhotel Bad Waltersdorf

Every day, around 1.9 million liters of rich thermal water flow into the 14 thermal water pools in Bad Waltersdorf - guests enjoy energy in its purest form in 2 real thermal baths. In addition to the highest efficiency, it is also important to meet the highest hygiene standards. As part of ongoing efficiency measures, the drinking water heating system was also renewed.



The renewal of the drinking water heating system has resulted in significant savings in thermal disinfection (approx. 8,000 l of heating oil and 240 man-hours per year), which also enables operation in accordance to the standards. By saving on many technical components, the system's resilience is also improved and operating and maintenance

costs are minimized. Compared to enamelled boilers, the system has a significantly longer service life, while the space required for the stratified storage tanks has been reduced by more than two thirds. The minimized idle volume of service water to just 160 liters helps to reduce the risk of germ and biofilm formation to 0.1%.





Wellness-Hotel Enichlmayr Ohlsdorf

In an idyllic setting, the hotel offers 48 luxury rooms, a wellness oasis and a country inn with up to 300 seats. The heating system, a 300 kW wood chip boiler in an adjacent building, supplies the entire property. The heat is fed to a 5000-liter distribution buffer in the historic building from the 18th century and from there distributed to all rooms and the new wing with 23 additional luxury hotel rooms. Innovative solutions are used to

ensure the efficiency and hygiene of the hot water supply: A POWERLINK serves as a system separation storage tank that transfers the heat from the existing building to the heating system of the new wellness hotel. In addition, two POWERLINKs are used for high-performance hot water preparation to provide fresh hot water for the rooms in the new building and for the spacious wellness

More safety and less technology for more comfort. District heating operators and district heating customers benefit equally.



University Hospital Salzburg CDK-SALK

This solution meets the highest hygienic requirements of hospital standards while ensuring 100% redundancy, as required in a hospital environment. This innovative solution saved 32 data points, resulting in significant cost savings in building management systems. In fact, the storage systems have already paid for themselves through the savings made before they were even installed!

Company headquarters Austria

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