

Powerful heating water management
for large-scale systems.

POWERLINK



we connect energy

 LINK3

POWERLINK-Basic/Plus/Sun

Redefining standards in hygiene and efficiency.



Your benefits

- + exceptional performance data

- + highly efficient and hygienic domestic hot water preparation while fully complying hygiene standards

- + expandable through modular configuration for up to 800 residential units

- + highly effective with heat pumps, even for large-scale applications

- + cost-optimized multi-mode operation possible (e.g., heat pump + district heating, and more)

The most efficient solution for large systems.

Anyone looking to operate a powerful and reliable heating system in commercial applications should not think of domestic hot water and buffer tanks, but rather of the POWERLINK 4-layer heating water manager - the first of its kind to harness the laws of physics and thermodynamics in an optimal and simple way.

+ Residential construction

+ Hotel industry

+ Hospitals

+ Nursing facilities

+ Commerce

+ Industry

+ and many more

Satisfied LINK3 customers are the best guarantee

District heating operators and customers benefit equally.

In fact, the POWERLINK is the most innovative solution for multi-family homes and commercial buildings when it comes to connecting heat producers (heat pumps, solar, gas boilers, etc.) with heat consumers (underfloor heating, wall heating, radiators, DHW preparation, etc.). This is done in a highly efficient, simple, reliable and cost-saving way that fundamentally stands out from conventional systems.

Simple control technology & low operating costs

The POWERLINK heating water manager fully relies on the laws of physics and thermodynamics to transport maximum energy with minimal water volume. It accomplishes this task perfectly without the need for complex or energy-intensive technology.

Stable 4-layer stratification with higher efficiency

With its patented counterflow heat exchanger technology, the POWERLINK utilizes the water's natural ability to stratify based on temperature. At the same time, the laminar flow concept enables passive stratification, preventing the mixing of water between the 4 temperature zones. This precise separation replaces up to three storage tanks (domestic hot water tank, heating and cooling load balancing storage).



Quellenhotel Bad Waltersdorf

By eliminating numerous technical components, operating and maintenance costs have been significantly reduced while enhancing system resilience.



University Clinic Salzburg Psychiatrie III

This solution meets the highest hygiene standards required in hospitals while ensuring 100% redundancy.

POWERLINK Facts & Figures	POWERLINK-Basic	POWERLINK-Plus	POWERLINK-Sun	Auxiliary storage tank
	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 for up to approx. 25 m ² 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-W551; ONI921)	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	venting only
Drain outlet (internal thread 3/4") Cold water (external thread 1", flat) Heating level 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	
Circulation heat exchanger for standard-compliant hygiene G 3/4"	both on top	–

Dimensions				
Diameter	Uninsulated: 790 mm / Insulated EEfKI B: 1.000 mm			
Height uninsulated	1.931 mm			
Tilt angle	2.005 mm			
Height insulated B	2.040 mm			
Nominal capacity	900 l			
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			
Hot water output up to res. unit / hotel room	20 / 16	55 / 30	20 / 16	–
Heat exchanger surface DHW 1	14.8 m ² (200 kW)			–
Heat exchanger surface DHW 2	–	7.4 m ² (100 kW)	–	–
Heat exchanger surface Solar	–	–	3.7 m ² (50 kW)	–
Water capacity	DHW 1: 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.

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