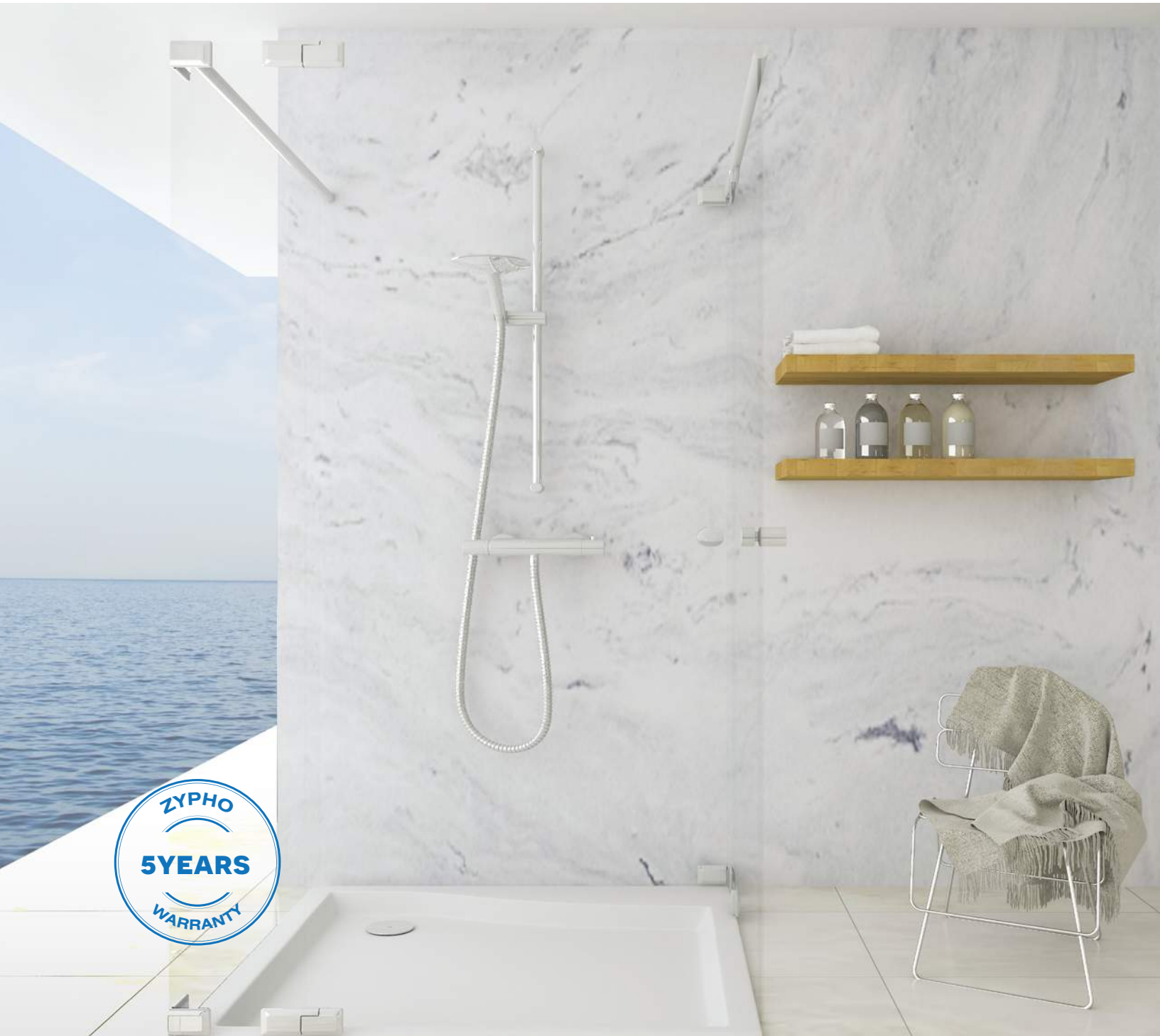




WWHR recommended by the European Union for sustainable construction



# Shower Heat Recovery Solutions

*Energy saving systems. Efficient and ecological future*





Improves energy efficiency up to 75%. The best payback



Recycle clean energy. Accelerates energy transition



No Power. No Batteries. No Wires



Reduces carbon emissions. Renewable energy



Adaptable to shower trays, linear drains or bathtubs



Easy to install



Over 20 000 installations around the world



German Tech. made in Portugal



Legionella free

With WWHR "The energy saving potential by 2030 would be 17.9 TWh saving per year" a recommendation from European Commission, May 2022

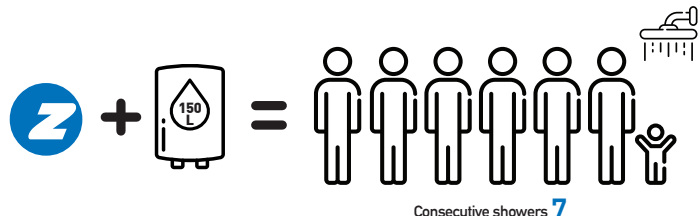
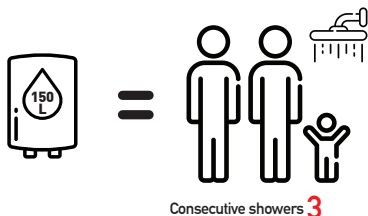


**Simple and efficient.** With an easy installation by any plumber, ZYPHO® offers shower drain heat recovery systems leading to energy savings and reducing carbon footprint, without compromising the aesthetics of your space.

Upgrade the shower experience by reusing the energy going down the drain.



### HOT WATER ENERGY SAVING SOLUTION



Pay 100%

without Zypho

Pay 25%

Get for FREE 75%

with Zypho® Pipe75



\*Calculation: 8 minutes Shower at 8l/m



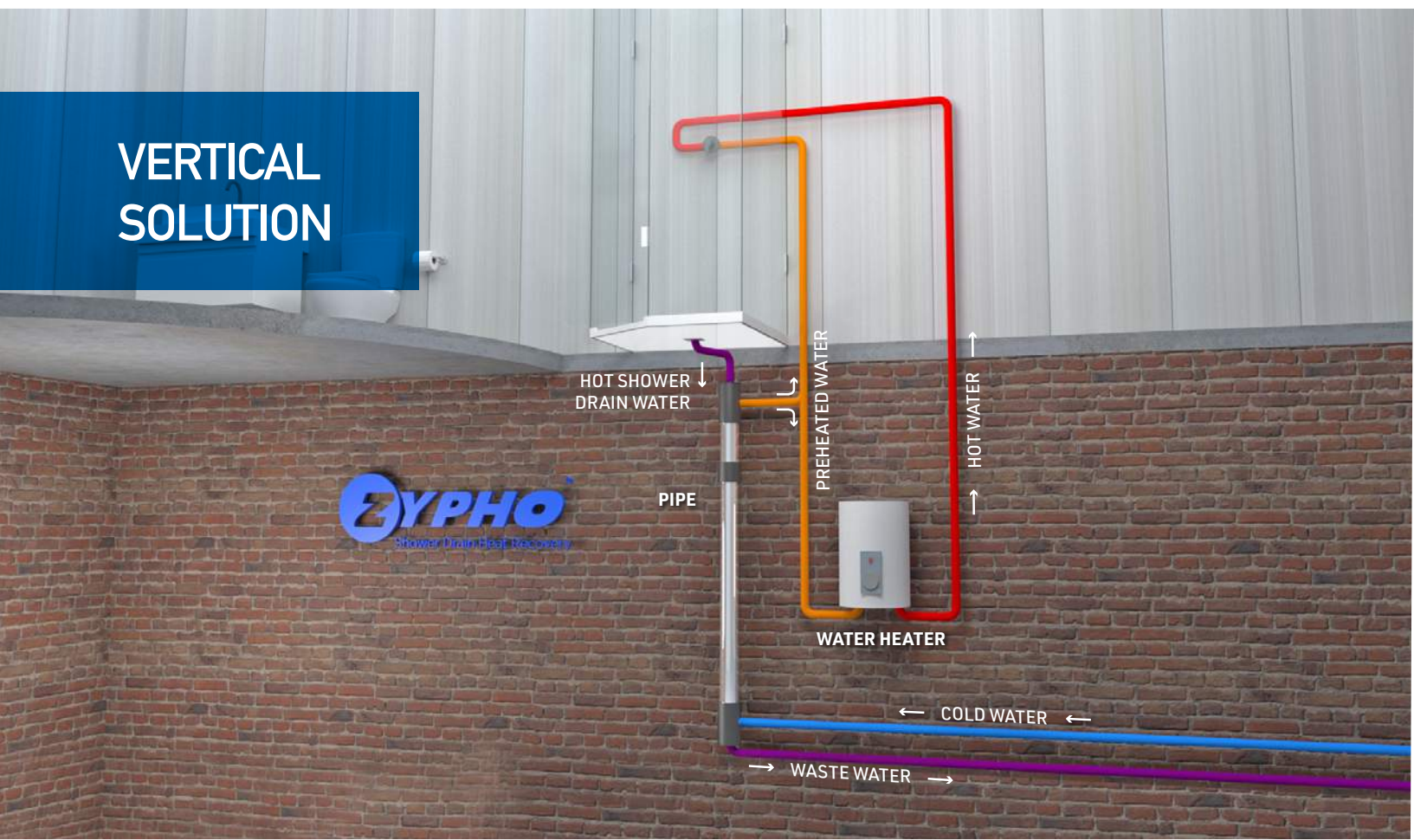
## How it works

### HORIZONTAL SOLUTION



ZYPHO transfers heat from the shower's waste water (40°) to the incoming cold mains (10°) supply. This preheated water (up to 33°) is then directed to either the shower mixer, the water heater or, preferably both - reducing energy consumption from 30% to 75% - Improving Energy Efficiency.  
**Every three showers, two are for free.**

### VERTICAL SOLUTION

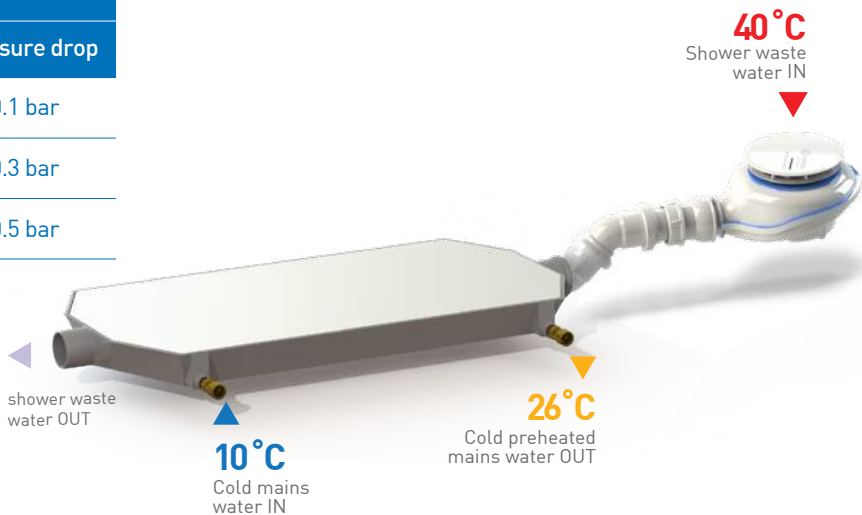


# Horizontal Solutions

Slim the new generation of horizontal shower drain heat recovery system - thinner and more efficient - savings up to 50%. The compact version that saves more energy without taking up space. Simple to install, invisible, slim transfers heat from the wasted shower water (40°) to the cold mains supply (10°). This preheated water (26°) is then directed to either the shower mixer, the water heater or, preferably both - reducing energy consumption. Lifetime savings with no planned maintenance.

## PERFORMANCE & EFFICIENCY

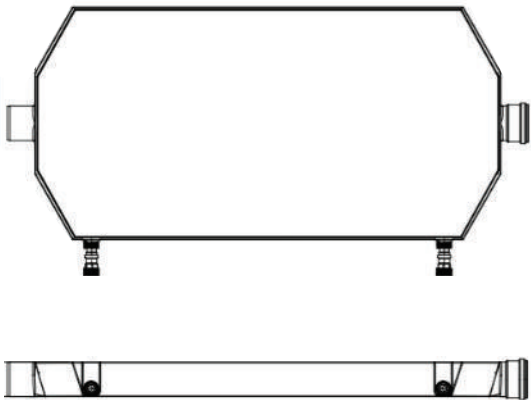
Slim		
Flow Rate	Efficiency	Pressure drop
5.8 L/min	52%	0.1 bar
9.2 L/min	49%	0.3 bar
12.5 L/min	45%	0.5 bar
Tolerances: Efficiency ± 3 p.p.		



## TECHNICAL CHARACTERISTICS

Description	Units	Value
		Slim
Temperature Range	c°	0 - 60
Drinking water maximum pressure	bar	6.0
Drained water maximun flow rate (1)	L/min	25.0
Drained water recomended flow rate	L/min	12.5
Heat exchanger material (2)	-	Copper
Body Material	-	PP

(1) Value is assuming 2cm water level. Depending on the installation, the flow rate may change.  
(2): Double-walled Heat Exchanger as requested by EN1717.

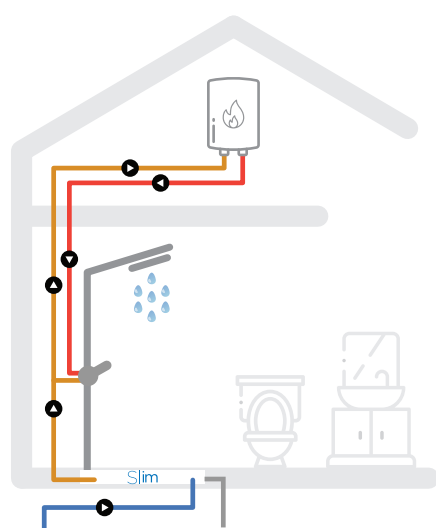


Available in 2023

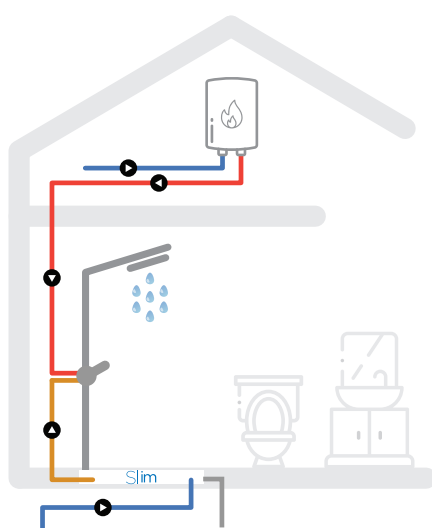
● HOT WATER

● PREHEATED WATER

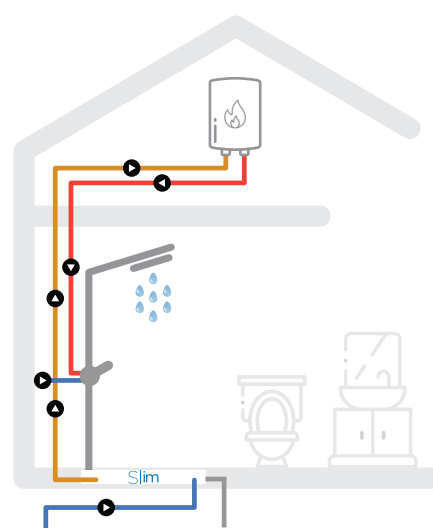
● COLD WATER



**1.** The preheated water is transferred to the tap and the boiler.  
**The most efficient configuration.**



**2.** The preheated water is transferred to the tap only.



**3.** The preheated water is transferred to the boiler only.

## Zypho Slim available in different installation types, with efficient filters

### ZYPHO® SLIM RANGE



ZYPHO® SLIM50  
REF. ZY50D10SV  
*SHOWER TRAY\**



ZYPHO® SLIM50  
REF. ZYSL50D10BV  
*BATHTUB\**



ZYPHO® SLIM50  
REF. ZY5ISL5010L7/8/9  
*LINEAR DRAIN\**



ZYPHO® SLIM50  
REF. ZY50D10L1  
*SQUARE DRAIN\**

*\*Systems include tested products*



# Horizontal Solutions

30  
HIGH FLOW  
ZYIZ30D100

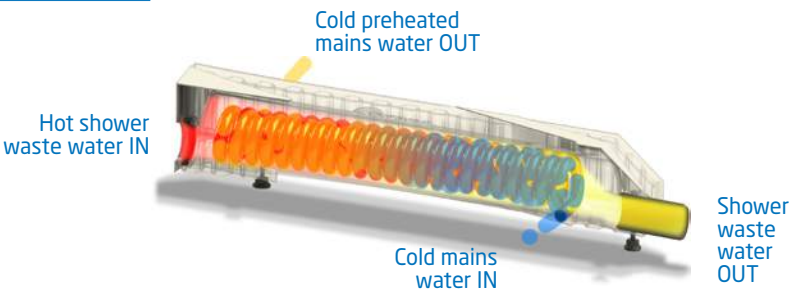
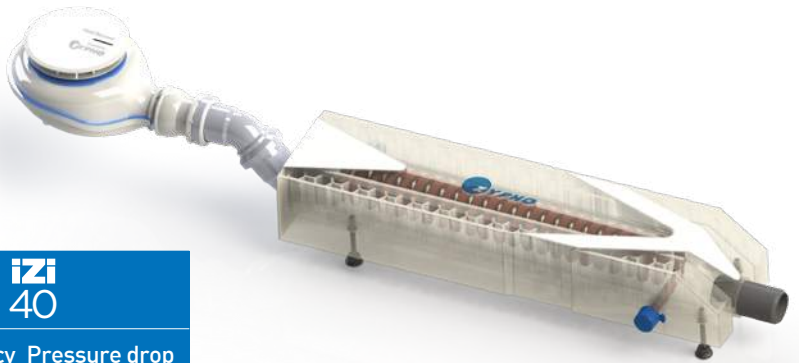
40  
ECO SHOWER  
ZYIZ40D100

izi horizontal shower drain heat recovery system, able to deliver energy savings of 31-39%. They transfer heat from the shower's hot wastewater to the incoming cold mains supply. This preheated incoming mains water is then directed to either the shower tap, the water heater or, preferably, both.

## PERFORMANCE & EFFICIENCY

	izi 30		izi 40	
Flow Rate	Efficiency	Pressure drop	Efficiency	Pressure drop
5.8 L/min	31%	0.2 bar	39%	0.1 bar
9.2 L/min	28%	0.6 bar	33%	0.3 bar
12.5 L/min	25%	1.1 bar	29%	0.7 bar
	Rec flow up to 25.0L/min		Rec flow up to 12,5L/min	

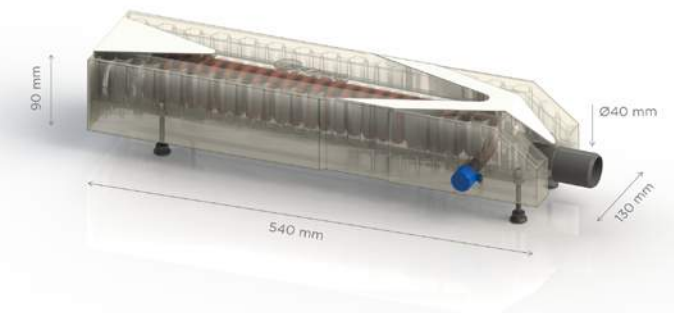
Tolerances: Efficiency  $\pm$  3 p.p.



## TECHNICAL CHARACTERISTICS

Description	Units	Value	
		izi 30	izi 40
Drinking water maximum pressure	bar	6.0	6.0
Drained water maximum flow rate (1)	L/min	25.0	12.5
Heat exchanger material (2)	-	Copper	Copper
Body Material	-	ABS	ABS

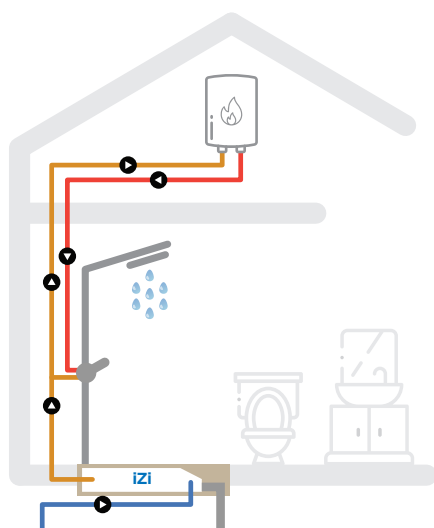
(1) Value is assuming 2cm water level. Depending on the installation, the flow rate may change.  
(2): Double-walled Heat Exchanger as requested by EN1717.



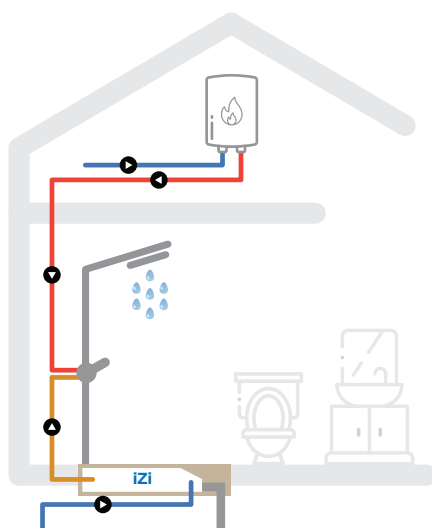
● HOT WATER

● PREHEATED WATER

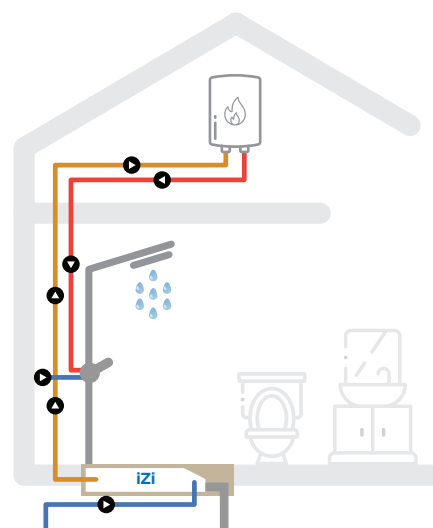
● COLD WATER



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**The most efficient configuration.**



**2.** The preheated water is transferred to the tap only.



**3.** The preheated water is transferred to the boiler only.

## Zypho iZi available in different installation types, with efficient filters

### ZYPHO® iZi RANGE



Zypho® iZi 30 High Flow  
Ref.: ZY50D10SV

Zypho® iZi 40 Eco Shower  
Ref.: ZY1Z40D10SV

*SHOWER TRAY\**



Zypho® iZi 30 High Flow  
Ref.: ZY1Z30D10BV

*BATH TUB\**



Zypho® iZi 30 High Flow  
Ref.: ZY1Z30D10L7 / 8 / 9

Zypho® iZi 40 Eco Shower  
Ref.: ZY1Z40D10L7 / 8 / 9

*LINEAR DRAIN\**



Zypho® iZi 30 High Flow  
Ref.: ZY1Z30D10L1

Zypho® iZi 40 Eco Shower  
Ref.: ZY1Z40D10L1

*SQUARE DRAIN\**

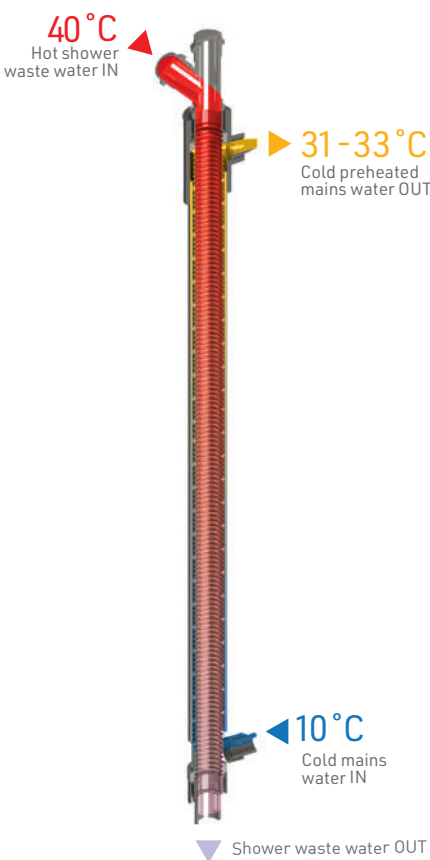
*\*Systems include tested products*

PATENT PENDING

PiPe  
HIGH FLOW SHOWER

# Vertical Solutions

60 65 75  
ZYPI60S2200 ZYPI65S2200 ZYPI75S2200  
1,25M 1,60M 2,00M



PiPe is a vertical shower drain heat recovery solution adaptable to shower trays, linear drains or bathtubs, with a flow drainage recommended up to 25L/min, able to deliver energy savings up to 75%. It transfers heat from the shower's hot waste water to the incoming cold mains supply. This preheated incoming mains water is then directed to either the shower mixer, the water heater or, preferably, both.

## PERFORMANCE & EFFICIENCY

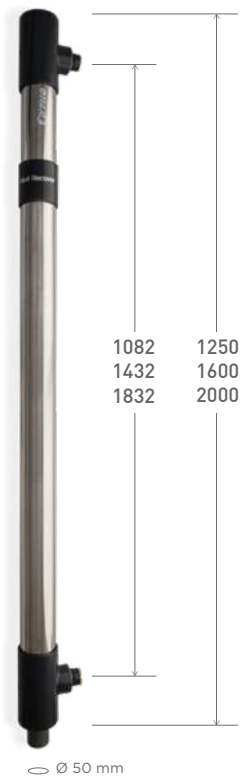
PiPe	60		65		75	
FLOW RATE	EFFICIENCY	PRESSURE DROP	EFFICIENCY	PRESSURE DROP	EFFICIENCY	PRESSURE DROP
5.8 L/min	61,2%	0,0 - 0,1 bar	66,6%	0,0 - 0,1 bar	74,5%	0,0 - 0,25 bar
9.2 L/min	57,4%	0,2 - 0,5 bar	62,7%	0,3 - 0,6 bar	69,2%	0,2 - 0,4 bar
12.5 L/min	50,5%	0,2 - 0,4 bar	57,6%	0,4 - 0,8 bar	66,2%	0,4 - 0,6 bar

Tolerances: Efficiency  $\pm$  5 p.p.

## TECHNICAL CHARACTERISTICS

Description	Units	Value		
		PiPe		
Temperature Range	C°	0-60		
Drinking water maximum pressure	bar	6.0		
Drained water maximum flow rate (1)	L/min	25.0		
Drained water recommended flow rate	L/min	12.5		
Heat exchanger material	-	Stainless steel 316L		
Body Material	-	Stainless steel / PVC		
Overall height required for the installation	mm	Pipe 60 1650	Pipe 65 2000	Pipe 75 2350

(1): Value is assuming 2cm water level. Depending on the installation, the flow rate may change.

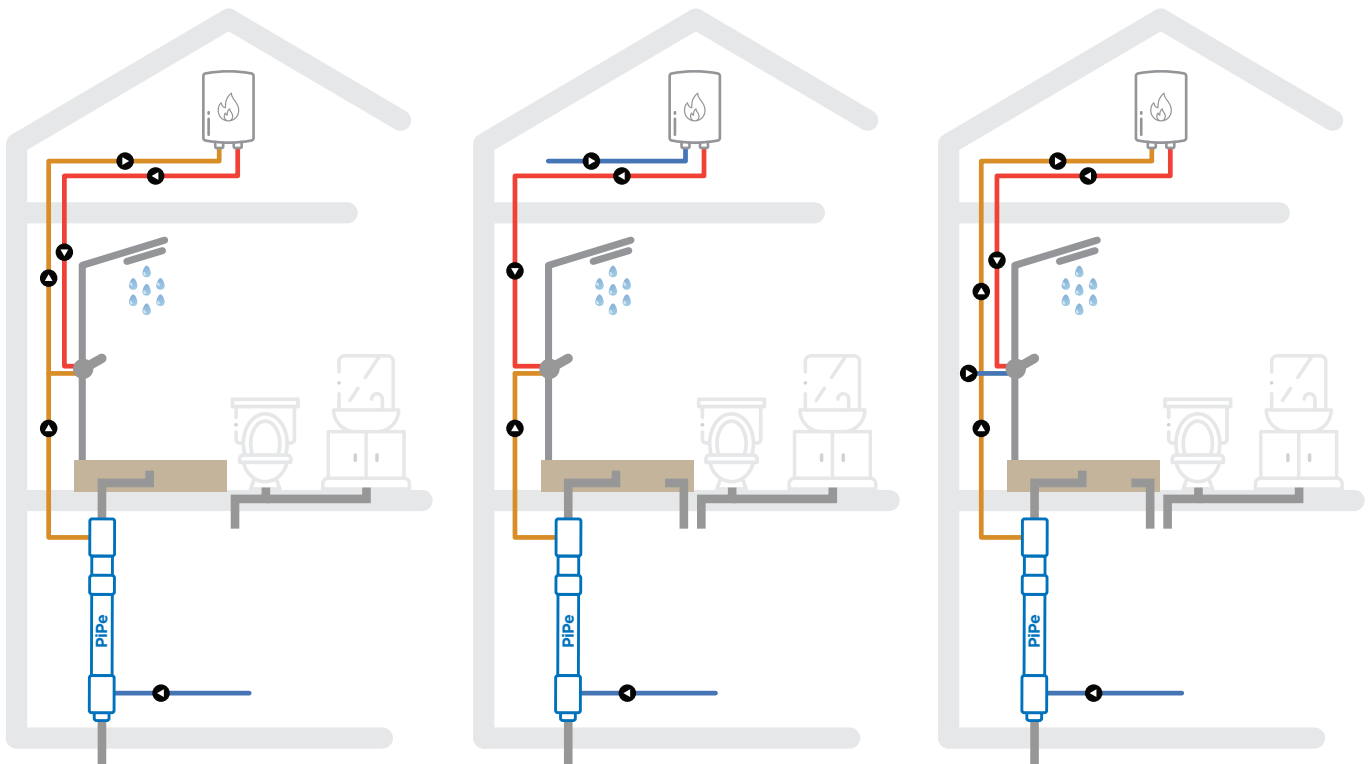




● HOT WATER

● PREHEATED WATER

● COLD WATER



1. The preheated water is transferred to the tap and the boiler  
The most efficient configuration.

2. The preheated water is transferred to the tap only.

3. The preheated water is transferred to the boiler only.

ZYPHO SYSTEMS ARE CERTIFIED AND PATENTED





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