



## Shower Heat Recovery Solutions





Improves EPC with best price-performance



Up to 67% energy efficiency



No Power. No Batteries. No Wires



Adaptable to shower trays, linear drains or bathtubs



Easy to install



Over 15 000 installations around the world



German Tech, made in Portugal



Legionella free



**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.



## ZYPHO SYSTEMS ARE CERTIFIED AND PATENTED



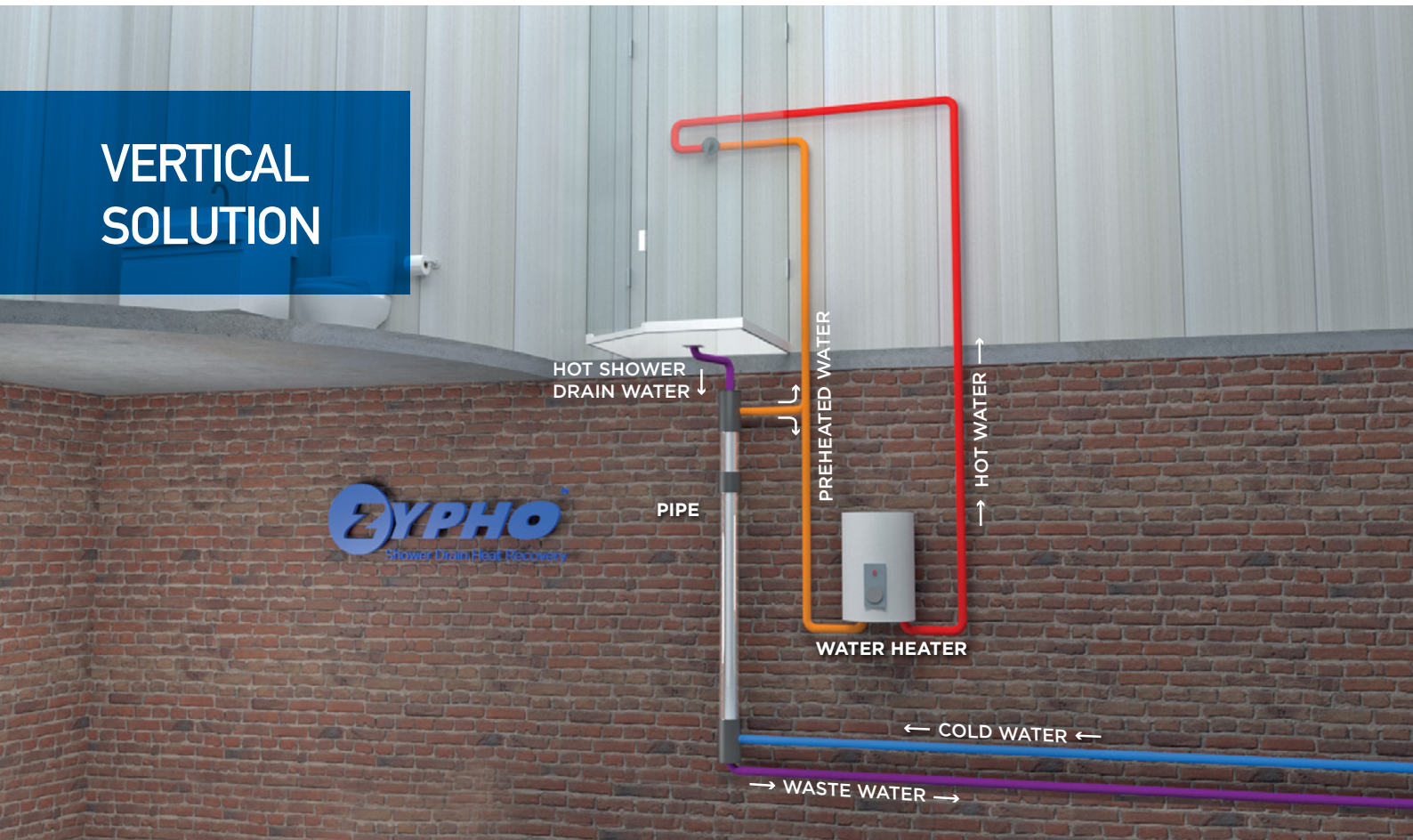
# How it works

## HORIZONTAL SOLUTION



ZYPHO transfers heat from the shower's wastewater to the incoming cold mains supply. This preheated water is then directed to either the shower mixer, the water heater or, preferably both - reducing energy consumption from 30% to 67% - Improving Energy Efficiency. Every three showers, two are for free.

## VERTICAL SOLUTION

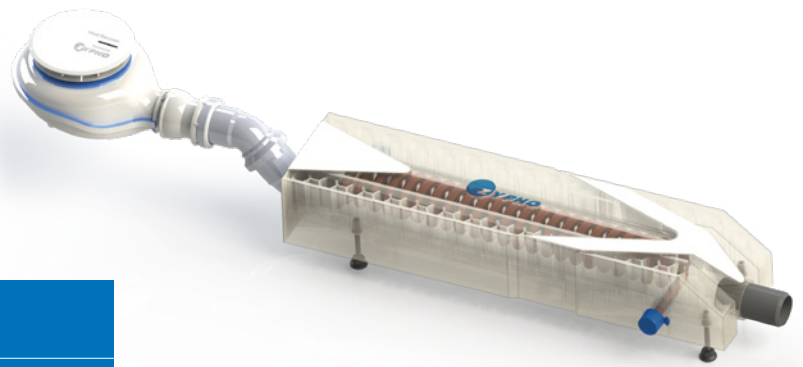


**izi**  
**30**  
HIGH FLOW  
ZYIZ30D100

**izi**  
**40**  
ECO SHOWER  
ZYIZ40D100

# Horizontal Solutions

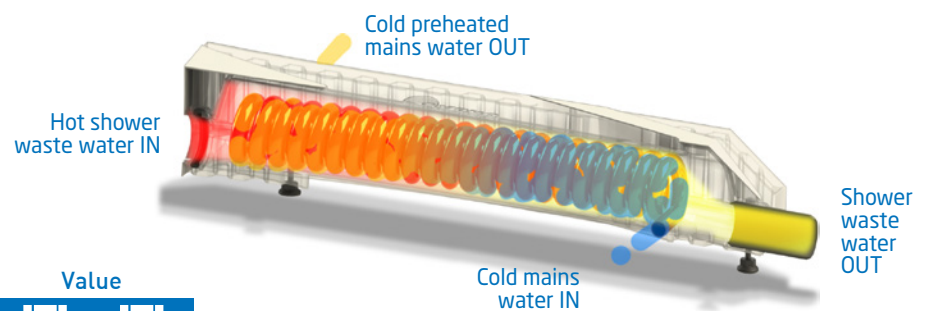
iZi 30 High Flow | iZi 40 Eco Shower is a horizontal shower drain heat recovery solution, with a flow drainage recommended up to 25.0L/min | 12.5L/min, able to deliver energy savings of 31% | 39%. They transfer heat from the shower's hot wastewater to the incoming cold mains supply. This preheated incoming mains water is then directed to either the shower tap, the water heater or, preferably, both.



## PERFORMANCE & EFFICIENCY

	<b>izi</b> <b>30</b>		<b>izi</b> <b>40</b>	
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

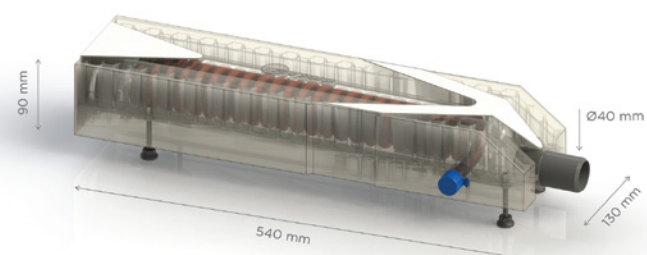
**Tolerances:** Efficiency  $\pm$  3 p.p. | Pressure drop  $\pm$  0.1 bar.



## TECHNICAL CHARACTERISTICS

Description	Units	Value	
		<b>izi</b> <b>30</b>	<b>izi</b> <b>40</b>
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

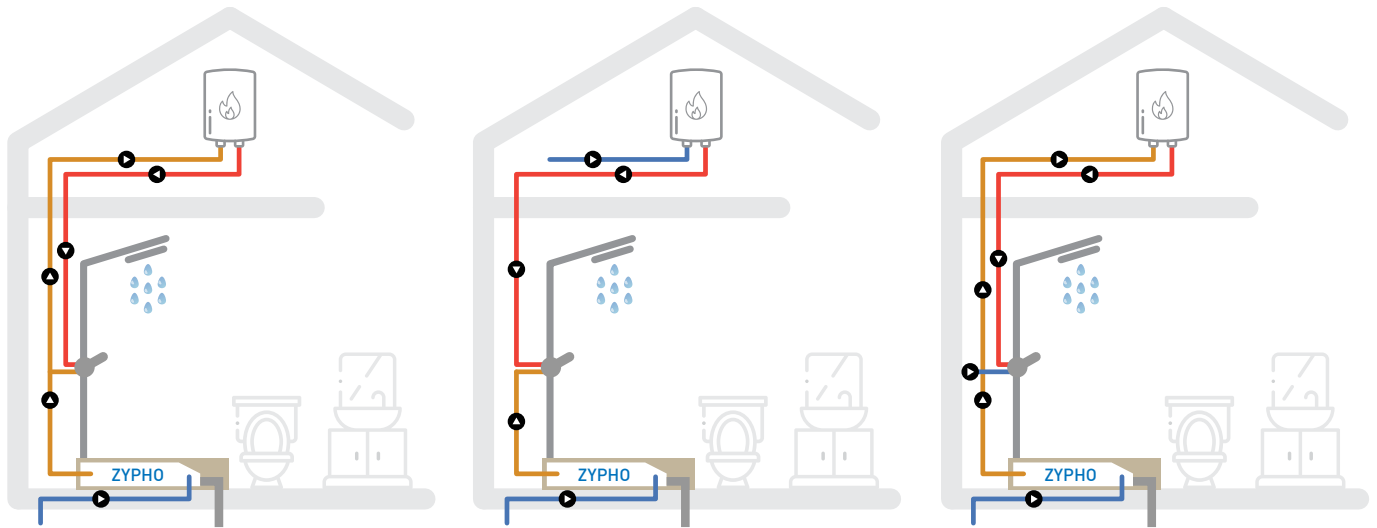
(1) Value is assuming 2cm water level. Depending on the installation, the flow rate may change.  
(2): Double-walled Heat Exchanger as requested by EN1717.



● HOT WATER

● PREHEATED WATER

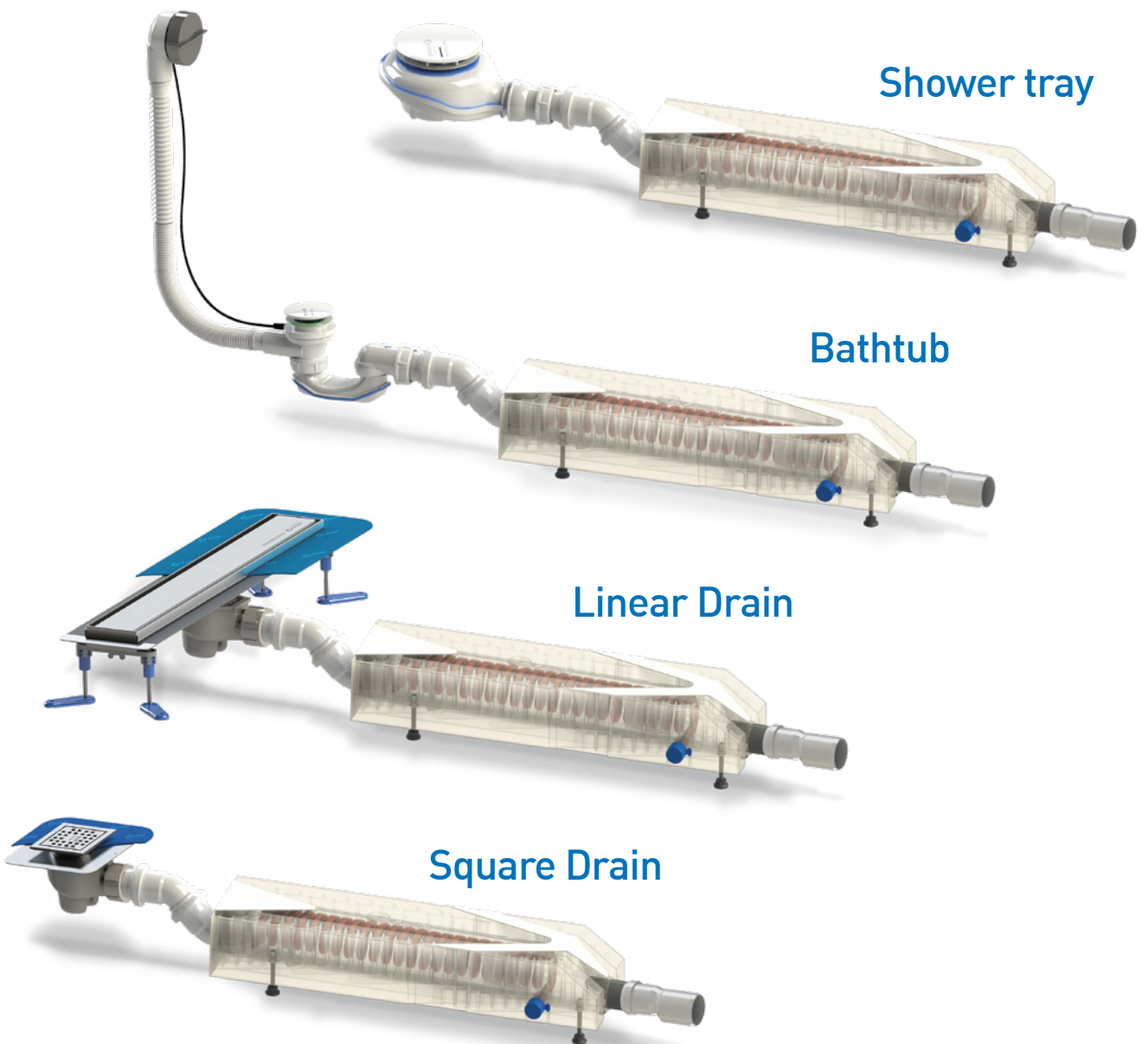
● COLD WATER



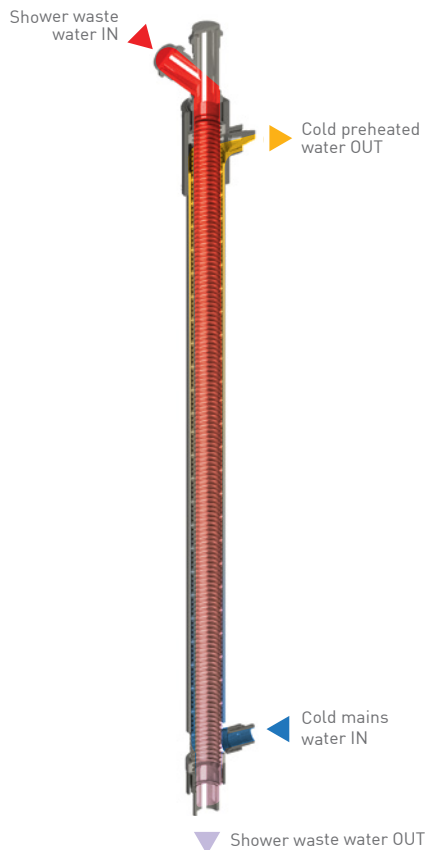
**1.** The preheated water is transferred to the tap and the boiler.  
**The most efficient configuration.**

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

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



## Vertical Solutions



PiPe 65 is a vertical shower drain heat recovery solution adaptable to shower trays, linear drains or bathtubs, with a flow drainage recommended up to 12,5L/min, able to deliver energy savings up to 67%. 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

Flow Rate	Efficiency	Pressure drop
5.8 L/min	67%	0.1 bar
9.2 L/min	63%	0.2 bar
12.5 L/min	58%	0.3 bar

Tolerances: Efficiency  $\pm 3$  p.p. | Pressure drop  $\pm 0.1$  bar.

### TECHNICAL CHARACTERISTICS

Description	Units	Value
Drinking water maximum pressure	bar	6.0
Drained water maximum flow rate (1)	L/min	Up to 12.5
Heat exchanger material	-	Stainless Steel 316L
Overall height required for installation	mm	$\geq 1950$

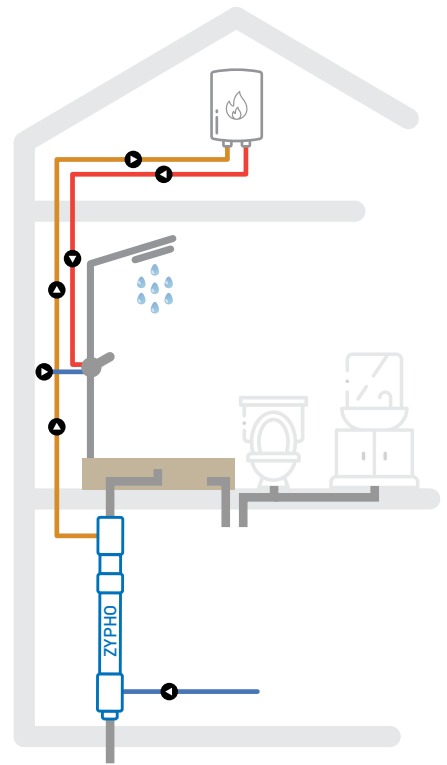
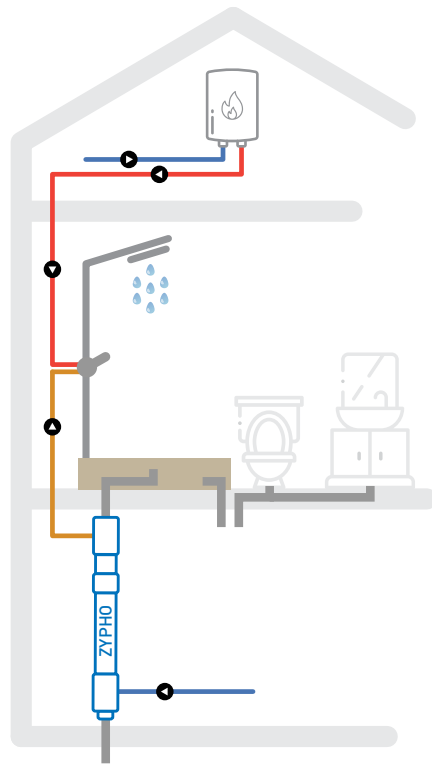
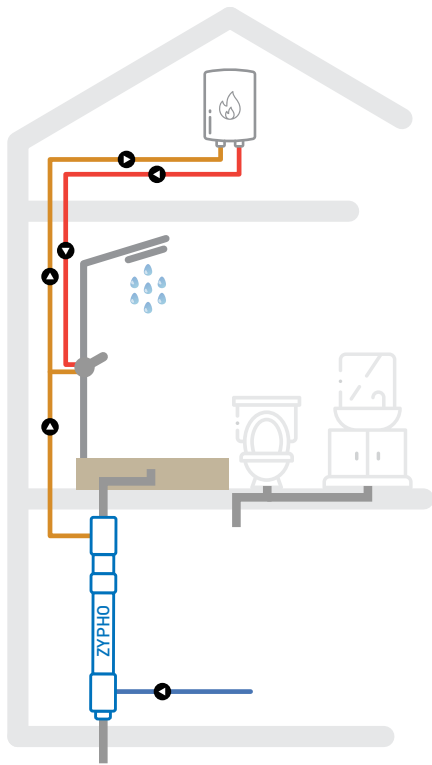
(1) Value is assuming 2cm water level. Depending on the installation, the flow rate may change.



● HOT WATER

● PREHEATED WATER

● COLD WATER

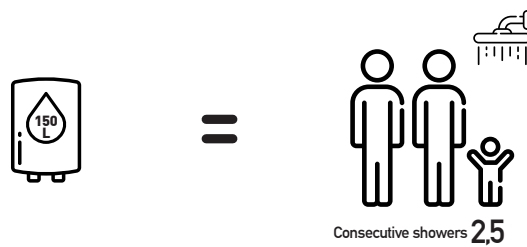


1. The preheated water is transferred to the tap and the boiler  
**The most efficient configuration.**

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

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## HOT WATER ENERGY SAVING SOLUTION



Pay 100%

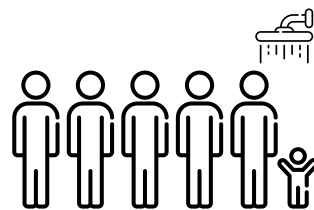
without ZypHo



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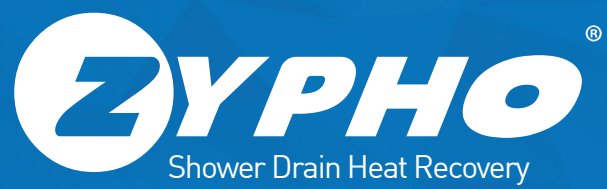
Consecutive showers 5,3

Pay 33%

Get 67%

with ZypHo Pipe 65





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