



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 Comission, May 2022

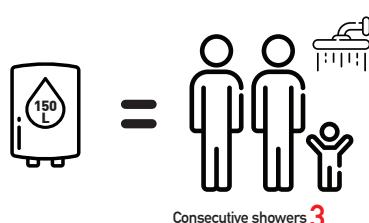


Simple and efficient. With an easy installation by any plumber, ZYPHO® offers shower drain heat recovery systems leading to energy savings and reducing carbon footprint, without compromising the aesthetics of your space.

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

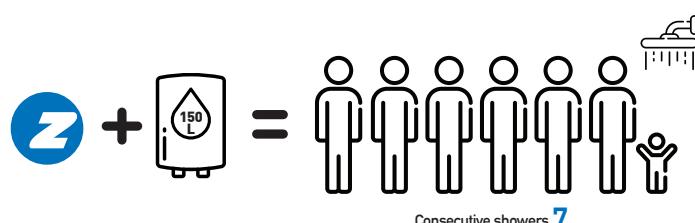


HOT WATER ENERGY SAVING SOLUTION



Pay 100%

without Zypho



Pay 25%

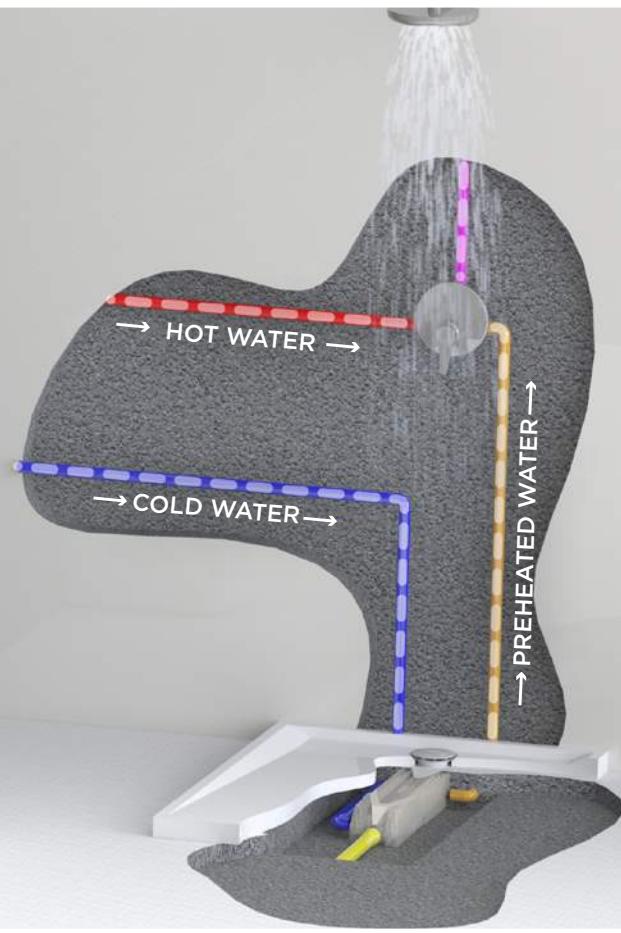
with Zypho® Pipe75



*Calculation: 8 minutes Shower at 8l/m

How it works

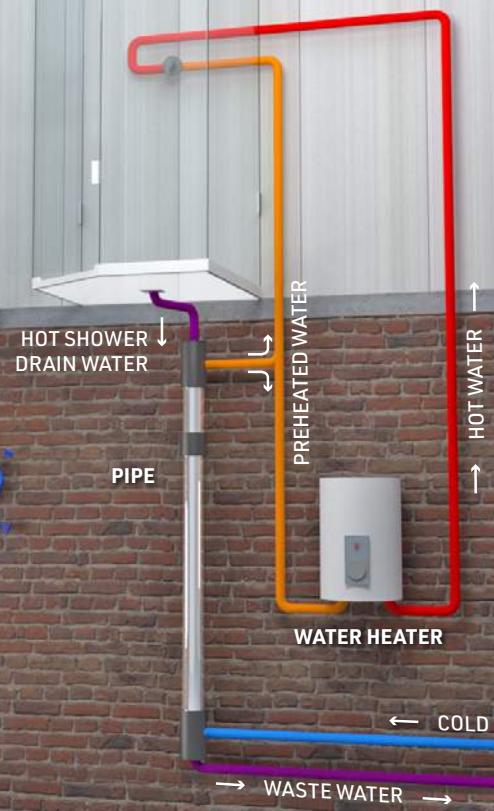
HORIZONTAL SOLUTION



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



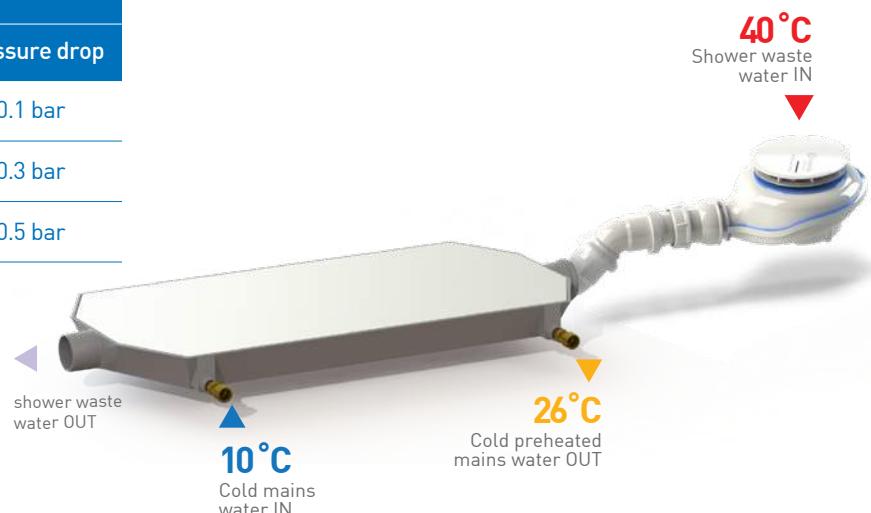
Horizontal Solutions

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

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

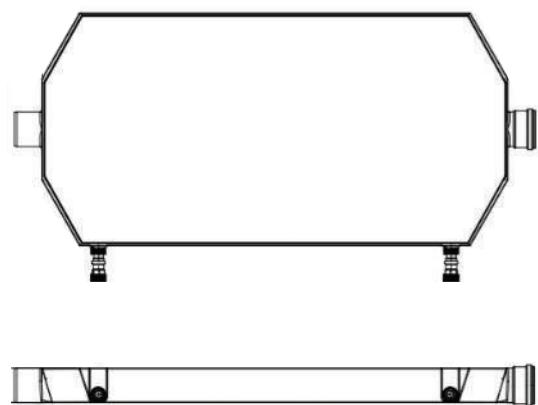
Tolerances: Efficiency ± 3 p.p.



TECHNICAL CHARACTERISTICS

Description	Units	Value
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 (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.

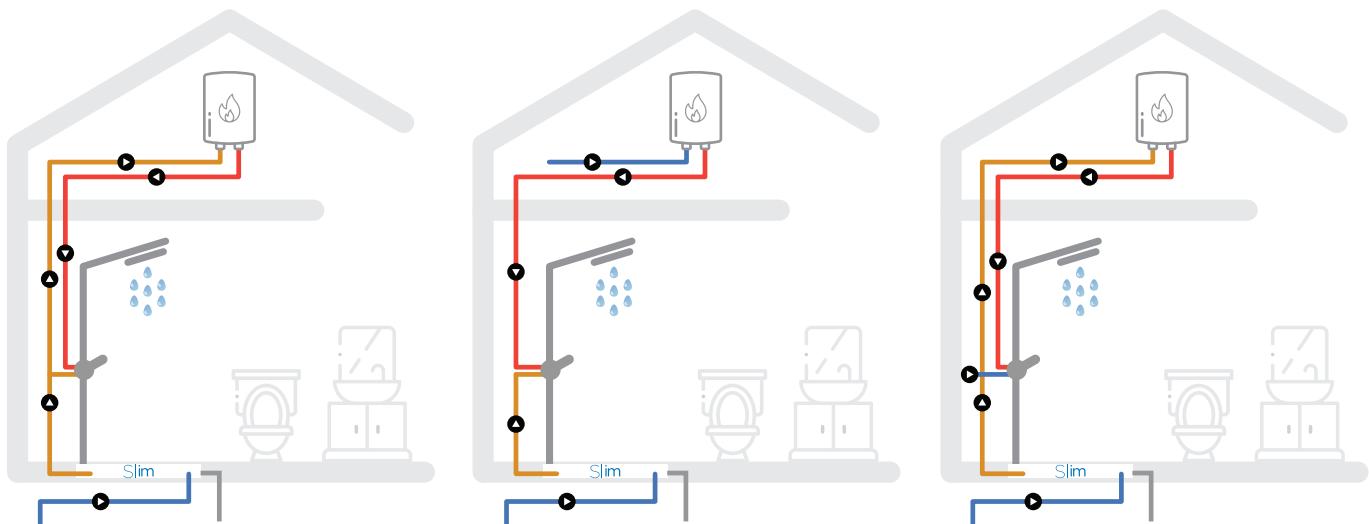


Available in 2023

● 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. ZY50D10BV

BATHTUB*

ZYPHO® SLIM50

REF. ZY51SL5010L7/8/9

LINEAR DRAIN*

ZYPHO® SLIM50

REF. ZY50D10L1

SQUARE DRAIN*

*Systems include tested products

Horizontal Solutions

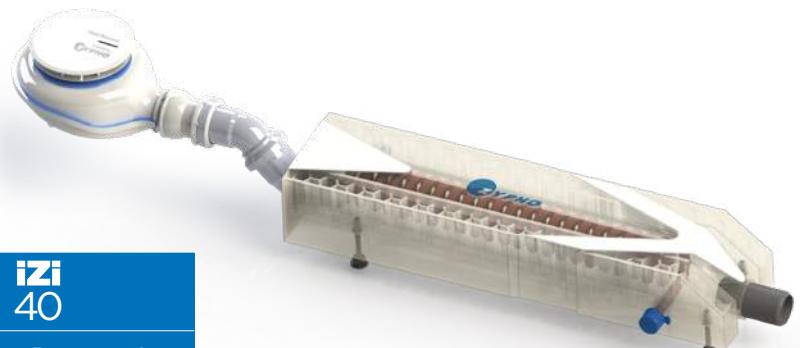
30 **40**
 HIGH FLOW
 ZYIZ30D100
 ECO SHOWER
 ZYIZ40D100

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 ± 3 p.p.

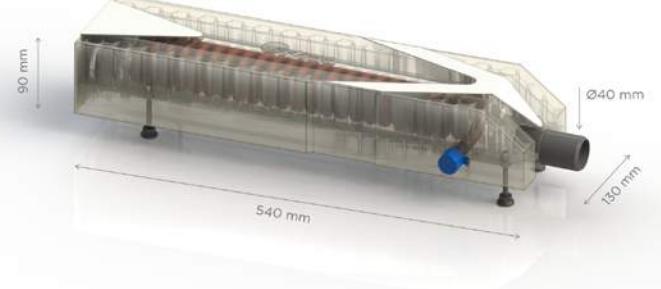
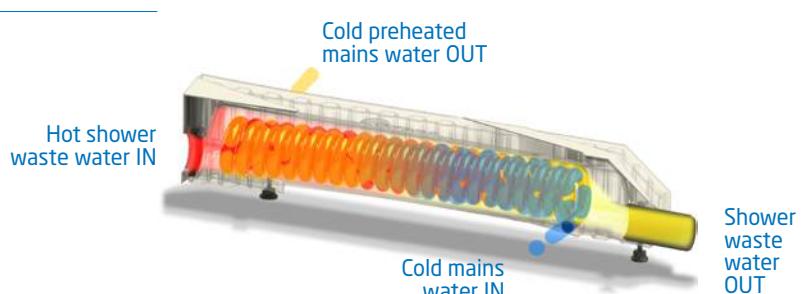


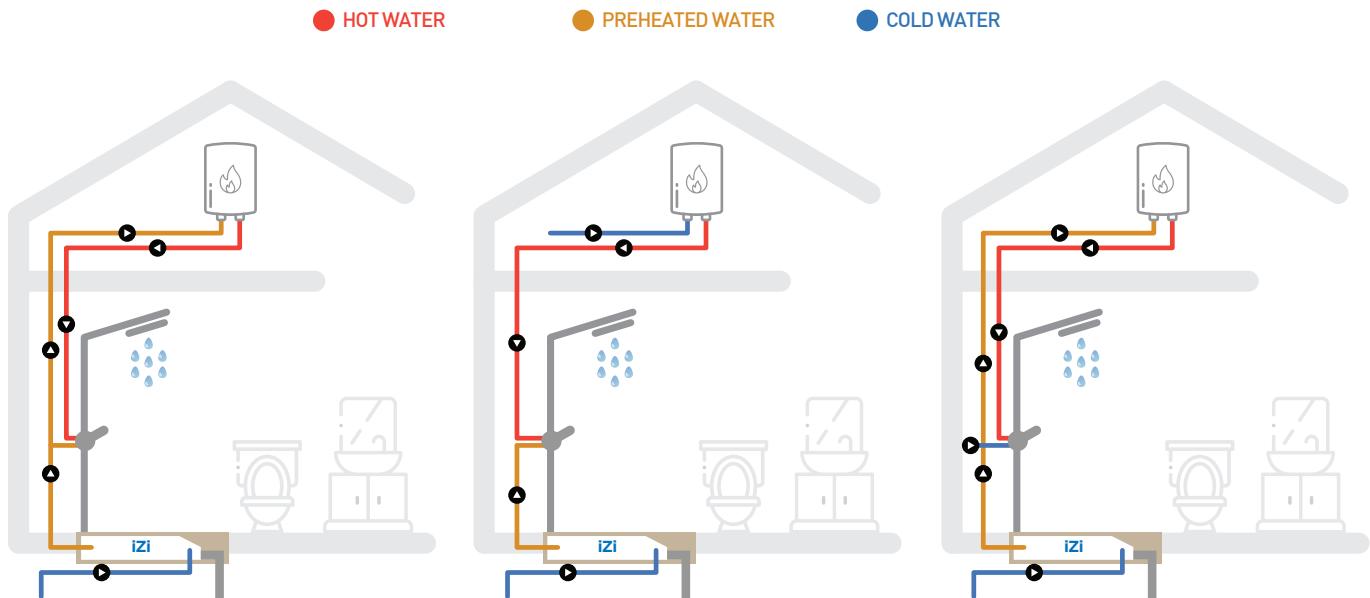
TECHNICAL CHARACTERISTICS

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.





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The most efficient configuration.

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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.: ZYIZ40D10SV

SHOWER TRAY*

Zypho® iZi 30 High Flow
Ref.: ZYIZ30D10BV

BATH TUB*

Zypho® iZi 30 High Flow
Ref.: ZYIZ30D10L7/8/9

Zypho® iZi 40 Eco Shower
Ref.: ZYIZ40D10L7/8/9

LINEAR DRAIN*

Zypho® iZi 30 High Flow
Ref.: ZYIZ30D10L1

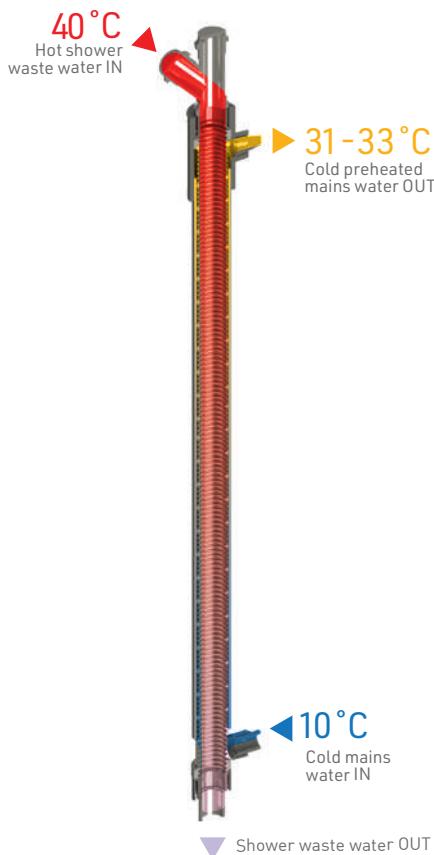
Zypho® iZi 40 Eco Shower
Ref.: ZYIZ40D10L1

SQUARE DRAIN*

*Systems include tested products

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

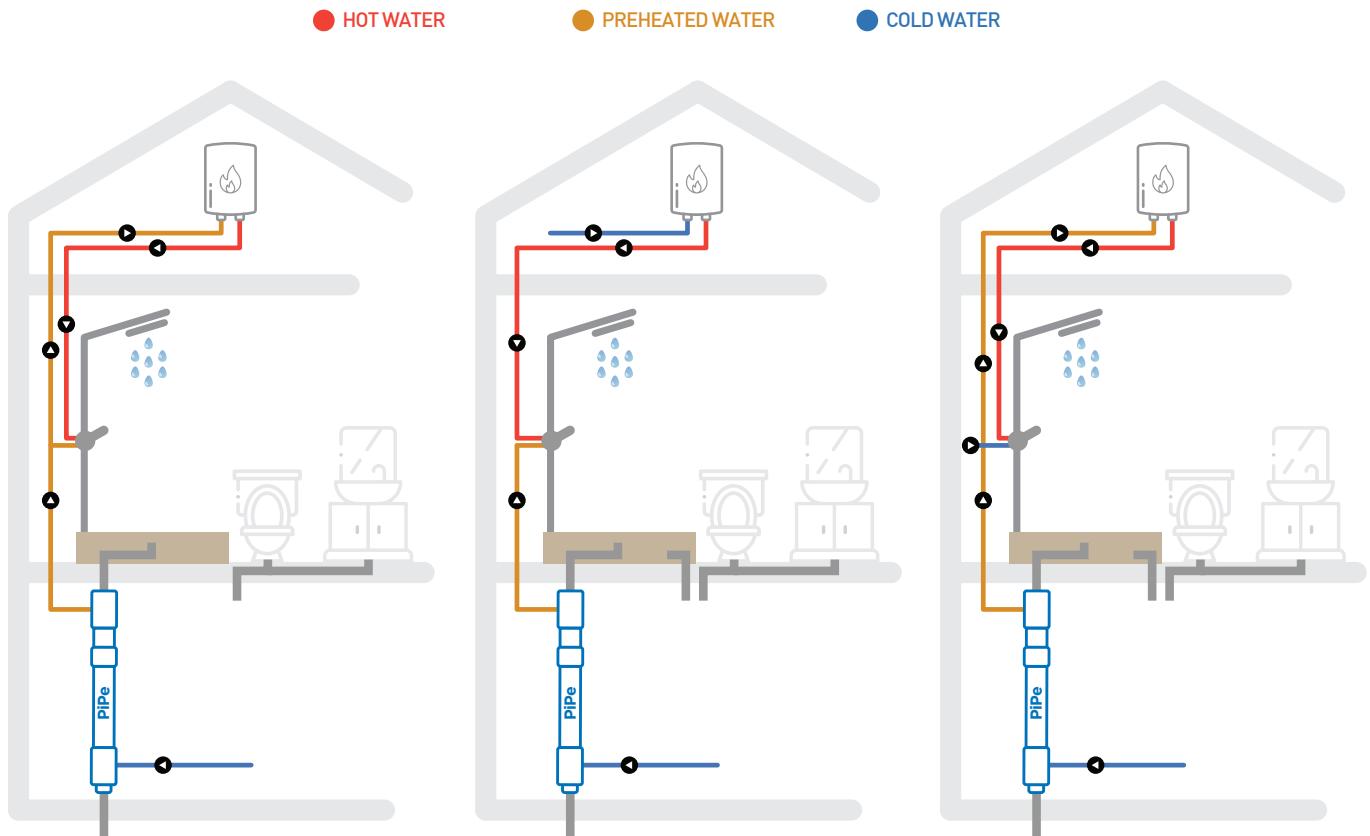
Tolerances: Efficiency ± 5 p.p.

TECHNICAL CHARACTERISTICS

Description	Units	PiPe	Value		
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.





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The most efficient configuration.

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

ZYPHO SYSTEMS ARE CERTIFIED AND PATENTED





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PROGRAMA OPERACIONAL REGIONAL DO NORTE