

# TECHNICAL SPECIFICATIONS



Zypho® transfers heat from the shower's wastewater (40°) to the incoming cold mains (10°) supply. This preheated water (up to 23°) is then directed to either the shower mixer, the water heater or preferably both - reducing energy consumption up to 40% - Improving Energy Efficiency. Every three showers, two are for free.

Zypho® iZi has several installation options - see range - with efficient waste trap filters.

The Zypho® iZi requires minimal maintenance and can be installed in new or retrofitted buildings.

## iZi VERSIONS

### HIGH FLOW

Zypho® iZi 30 High Flow



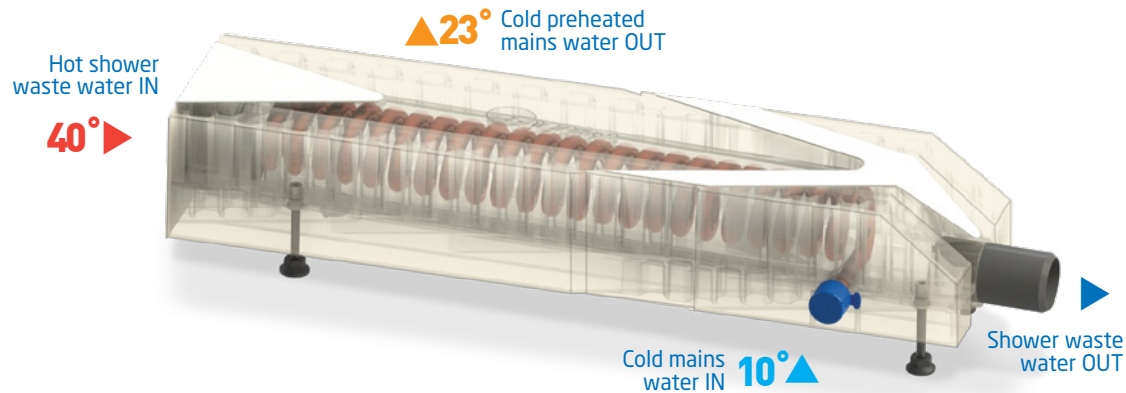
### ECO SHOWER

Zypho® iZi 40 Eco Shower



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

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



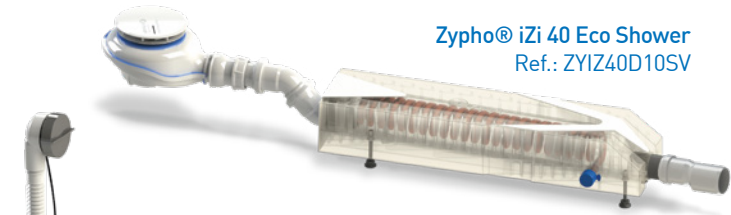
PATENT (PCT054506)

## ZYPHO® iZi RANGE

### Shower tray

Zypho® iZi 30 High Flow  
Ref.: ZYIZ30D10SV

Zypho® iZi 40 Eco Shower  
Ref.: ZYIZ40D10SV



### Bathtub

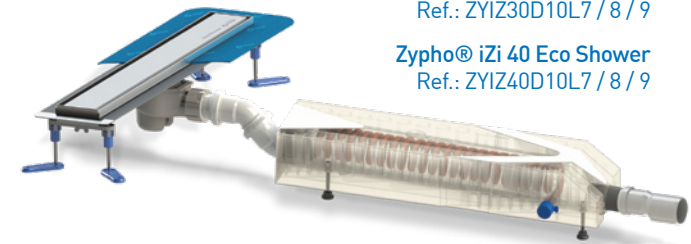
Zypho® iZi 30 High Flow  
Ref.: ZYIZ30D10BV



### Linear Drain

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

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



### Square Drain

Zypho® iZi 30 High Flow  
Ref.: ZYIZ30D10L1

Zypho® iZi 40 Eco Shower  
Ref.: ZYIZ40D10L1



## TECHNICAL CHARACTERISTICS

Description	Units	Value	
		izi 30	izi 40
Temperature Range	C°	0-60	0-60
Drinking water maximum pressure	bar	6.0	6.0
Drained water maximum flow rate (1)	L/min	25.0	12.5
Drained water recommended flow rate	L/min	12.5	7.5
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.

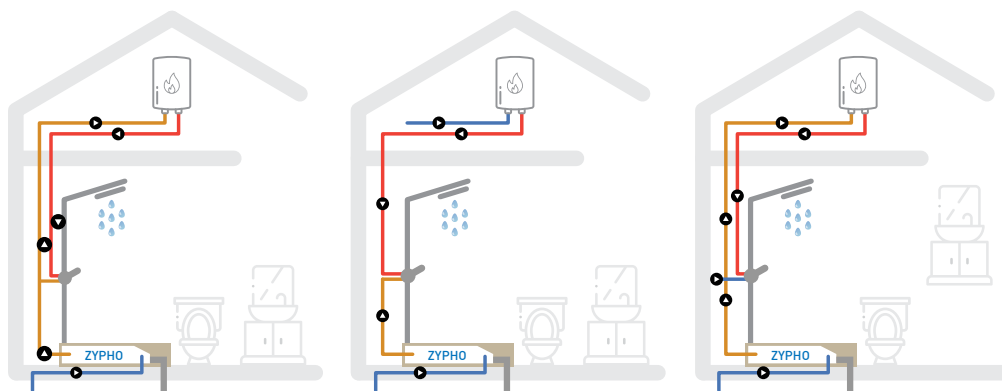
(2): Double-wall Heat Exchanger as requested by EN1717.

## PERFORMANCE & EFFICIENCY

Flow Rate	izi 30		izi 40	
	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.

## ZYPHO SYSTEMS ARE CERTIFIED AND PATENTED



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.

● HOT WATER

● PREHEATED WATER

● COLD WATER

## LEGIONELLA PREVENTION

Zypho® iZi design minimizes Legionella-related risks:

- Drain water does not stall inside the unit because the water is fully drained out at the end of every shower.
- After every shower the preheated water immediately cools below 25° C, which is a safe temperature according to WHO and European Working Group for Legionella Infections.
- Since the unit is installed relatively close to the shower mixer, the distance between the unit and the shower trap is minimized.

## MAINTENANCE

Zypho® iZi Heat Exchangers have been designed to require minimal maintenance efforts. They must be installed with the shower drain provided. Periodic cleaning is recommended to optimise energy exchange. Use a non-corrosive drain cleaner or a water jet. We recommend our non-corrosive biological drain cleaner with the reference ZYMN00000C1 or our water jet brush ZYMN00000J1.

UK distribution by ZapCarbon Ltd.

For more information, please email: [Zypho @ ZapCarbon.com](mailto:Zypho@ZapCarbon.com)

Alternatively call us on 0845 052 3682 / 07879 69 59 87