TECHNICAL SPECIFICATIONS

PiPe

HIGH FLOW SHOWER

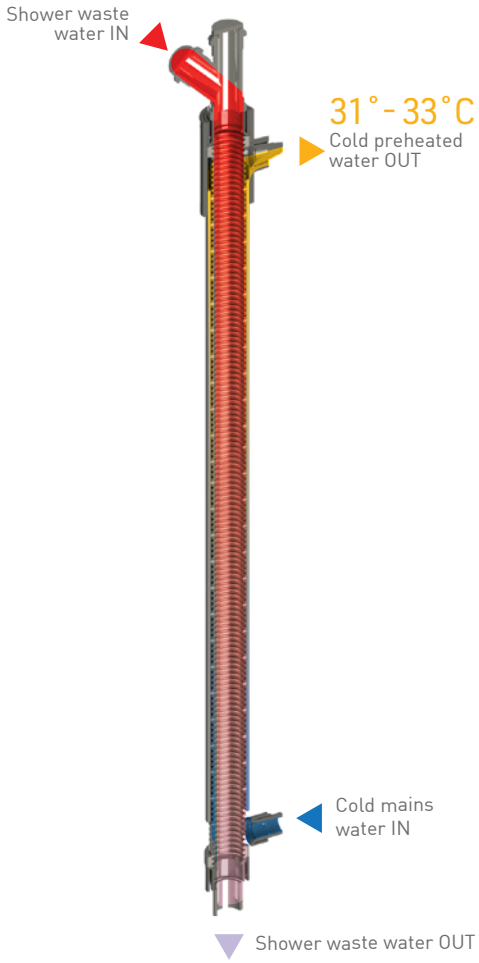
60	65	75
ZYPI60S2200	ZYPI65S2200	ZYPI75S2200
1,25M	1,60M	2,00M

- Increase SAP benefits ≤12%. Quick 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

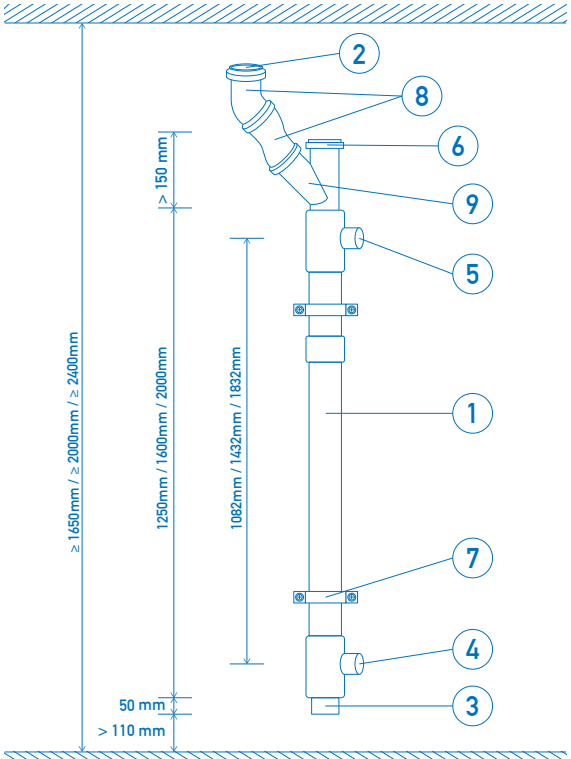
ZYPHO®

PiPe is a vertical shower drain heat recovery solution adaptable to shower drains, linear drains or bathtubs, with a flow drainage recommended up to 25 L/m, able to deliver energy savings up to 75%.
PiPe transfers heat from the showers 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.

HOW IT WORKS



COMPONENTS AND DIMENSIONS

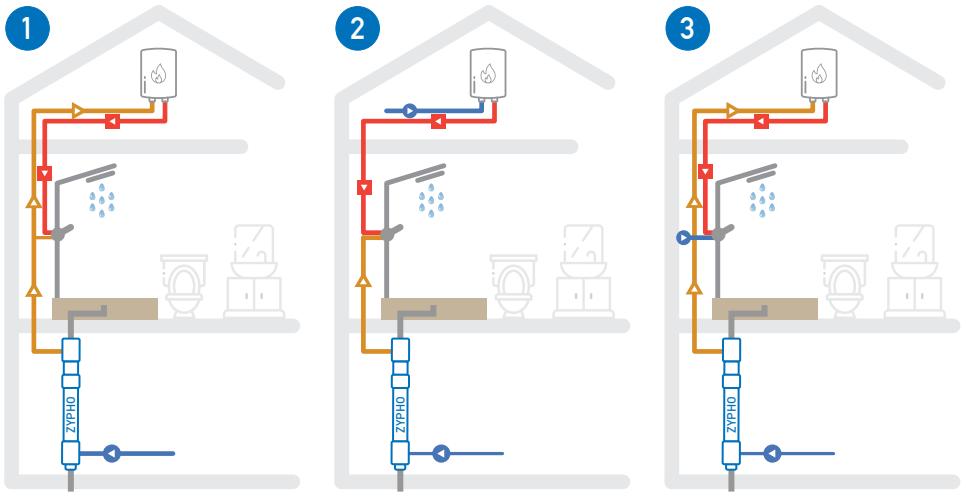


#		MAT.	CON.	DIM.
1	Product body	Stainless Steel /PVC	-	Ø80 mm
2	Shower waste water inlet	PVC	F	Ø50 mm
3	Waste water discharge	PVC	M	Ø50 mm
4	Cold water inlet	PVC / BRASS	F	¾" ½"
5	Mains cold water outlet	PVC / BRASS	F	¾" ½"
6	Cleaning access	PVC	-	-
7	Fixing clamp	Metal/Rubber	-	-
8	45° Elbow	PVC	M/F	Ø50 mm
9	45° Fork	PVC	M/F	Ø50 mm

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 heigth 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.



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

The preheated water is transferred to the tap only.

The preheated water is transferred to the boiler only.

HOT WATER PREHEATED WATER COLD WATER

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 ± 3 p.p.

ZYPHO SYSTEMS ARE CERTIFIED AND PATENTED

ETA DANMARK · certif · BELGAQUA · WRAS APPROVED PRODUCT · SAP

LEGIONELLA PREVENTION

Zypho® PiPe 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® PiPe Heat Exchangers have been designed to require minimal maintenance efforts. 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

ZYPHO

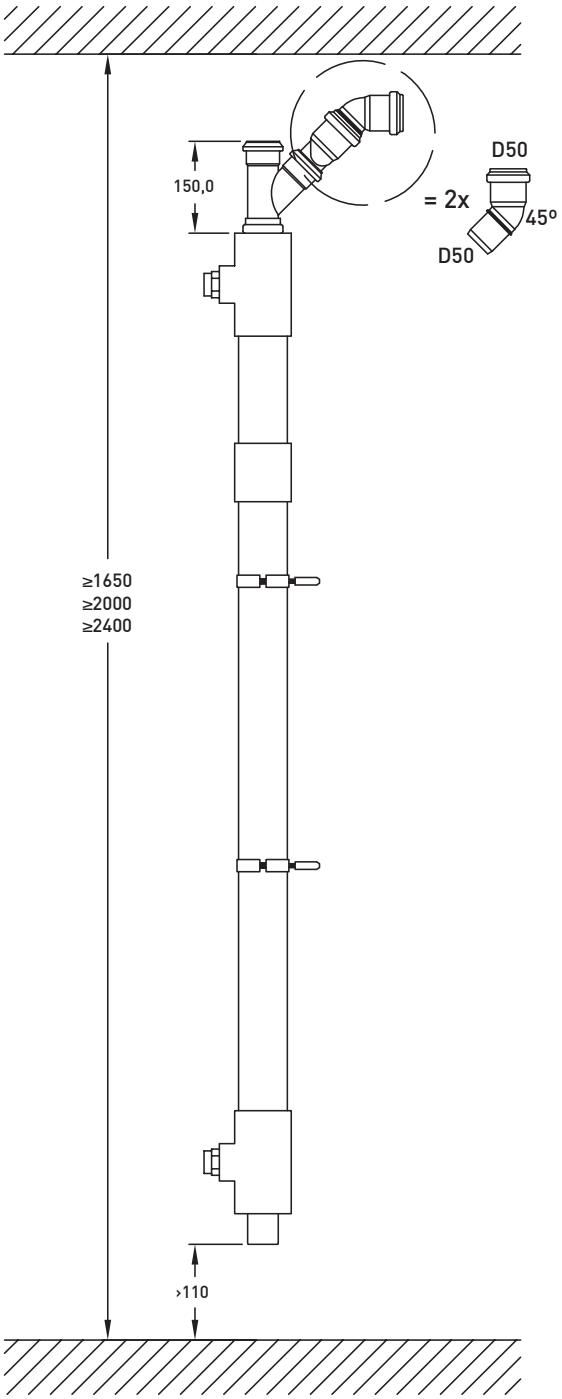
PiPe

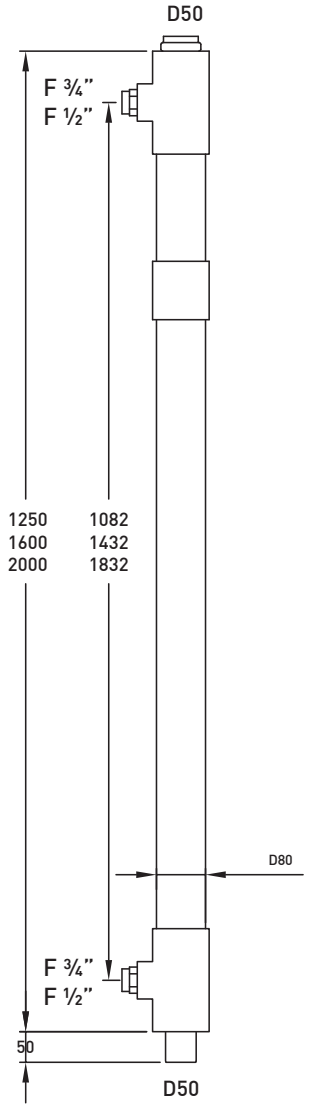
HIGH FLOW SHOWER

60 65 75

ZYPI60S2200 ZYPI65S2200 ZYPI75S2200

TECHNICAL DRAWING





COMPANY	Zypho, S.A.			
DESCRIPTION	Technical drawing			
PROJECT	Zypho PiPe 75		DESIGNER	J. Meliço
DATE	TOLERANCE	SCALE	UNITS	VERSION
25/05/2022	+/- 2%	1:10	mm	MG_MIEN0320