

DELIRAIN

TECHNICAL DATA SHEET DELIRAIN MINI



What is the Delirain mini?

The Delirain mini rainwater recovery system makes reuse of rainwater possible thanks to an energy-efficient pump that efficiently distributes the stored rainwater in a rainwater tank to the connected points of use in the home.

Possible applications

The Delirain mini is designed for sustainable water management in households, semi-industrial applications, schools and apartment blocks. It makes reuse possible for non-potable domestic applications, such as toilet flushing, garden irrigation and use of the washing machine.

Connections

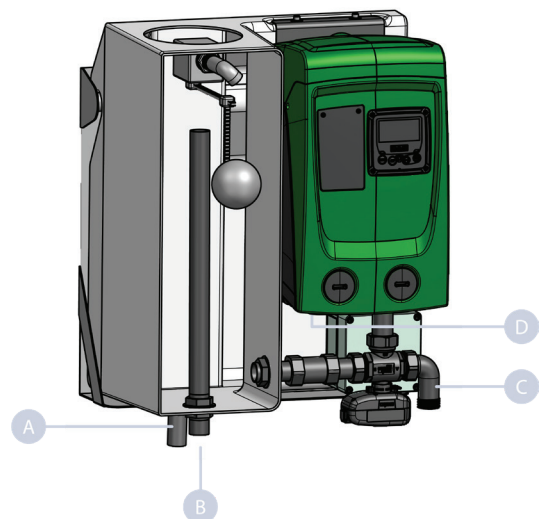
The Delirain mini should be connected to:

- The mains water, with pipes marked as 'mains water' (A)
- The discharge pipe for the overflow from the mains water tank (B)
- The rainwater, with pipes marked as 'rainwater' (C)
- The user circuit, with pipes marked as 'non-potable' (D)
- The power grid

Equipment

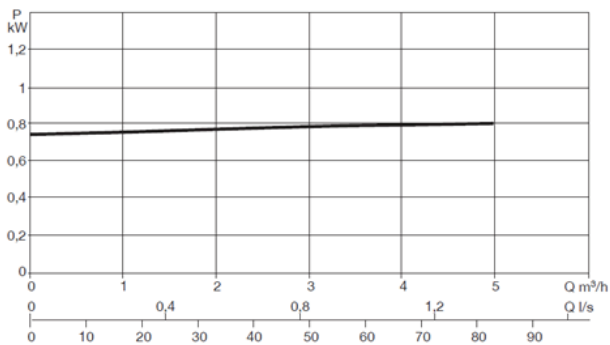
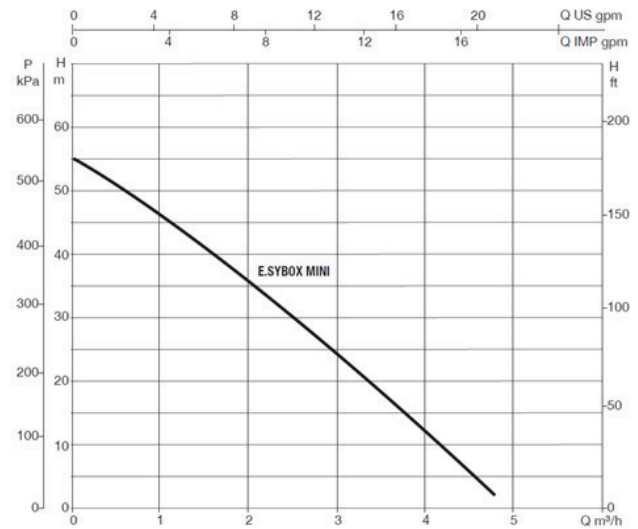
The Delirain mini comprises:

- The ESYBOX MINI 3 pump
- A control module
- A ball float
- A cover
- The mains water replenishment
- A three-way valve
- A non-return valve
- A mains water overflow
- An (optional) booster pump kit for situations in which the rainwater tank is more than 15m away



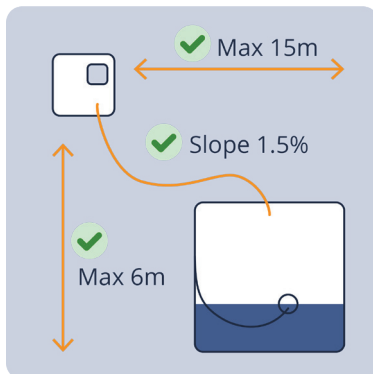
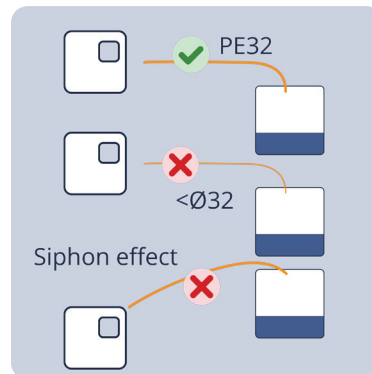
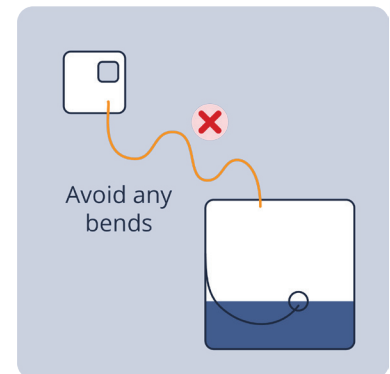
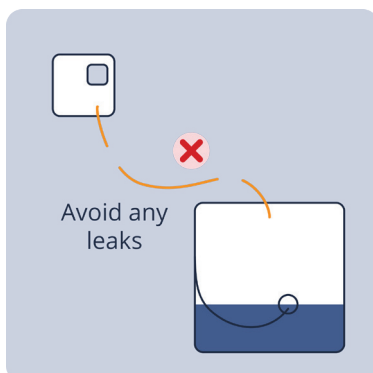
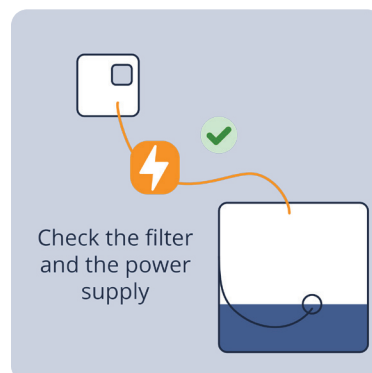
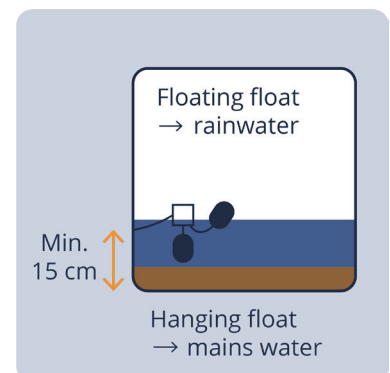
Pump characteristics

The pumping capacity curve below is valid for a kinematic viscosity of $1 \text{ mm}^2/\text{s}$ and a density of $1,000 \text{ kg}/\text{m}^3$. The curve tolerance meets ISO 9906.



Capacity curve values

Q=m³/h	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8
Q=l/min	10	20	30	40	50	60	70	80
H (m)	50,0	44,5	38,0	31,0	24,0	17,0	9,6	1,8



Technical specifications

Maximum flow rate	80 l/min
Maximum service pressure	5 bar
Maximum service pressure of the mains water pipe	4 bar
Maximum head of water	50 m
Power supply	230 V / 50 Hz
Material class in respect of fire resistance	IPX4
Maximum liquid temperature	35°C
Maximum ambient temperature	50°C
Maximum suction depth	6 m
Maximum noise level	45 dB
Pressure	1 – 5 bar
Water type	Clean, free of solid or abrasive substances, not viscous, not aggressive, not crystallized and not chemically neutral.
Diameter of the rainwater pipe	1" BSP
Diameter of the mains water pipe	3/4" BSP
Diameter of the household pipes	1" BSP
Minimum load capacity of the wall	60 kg