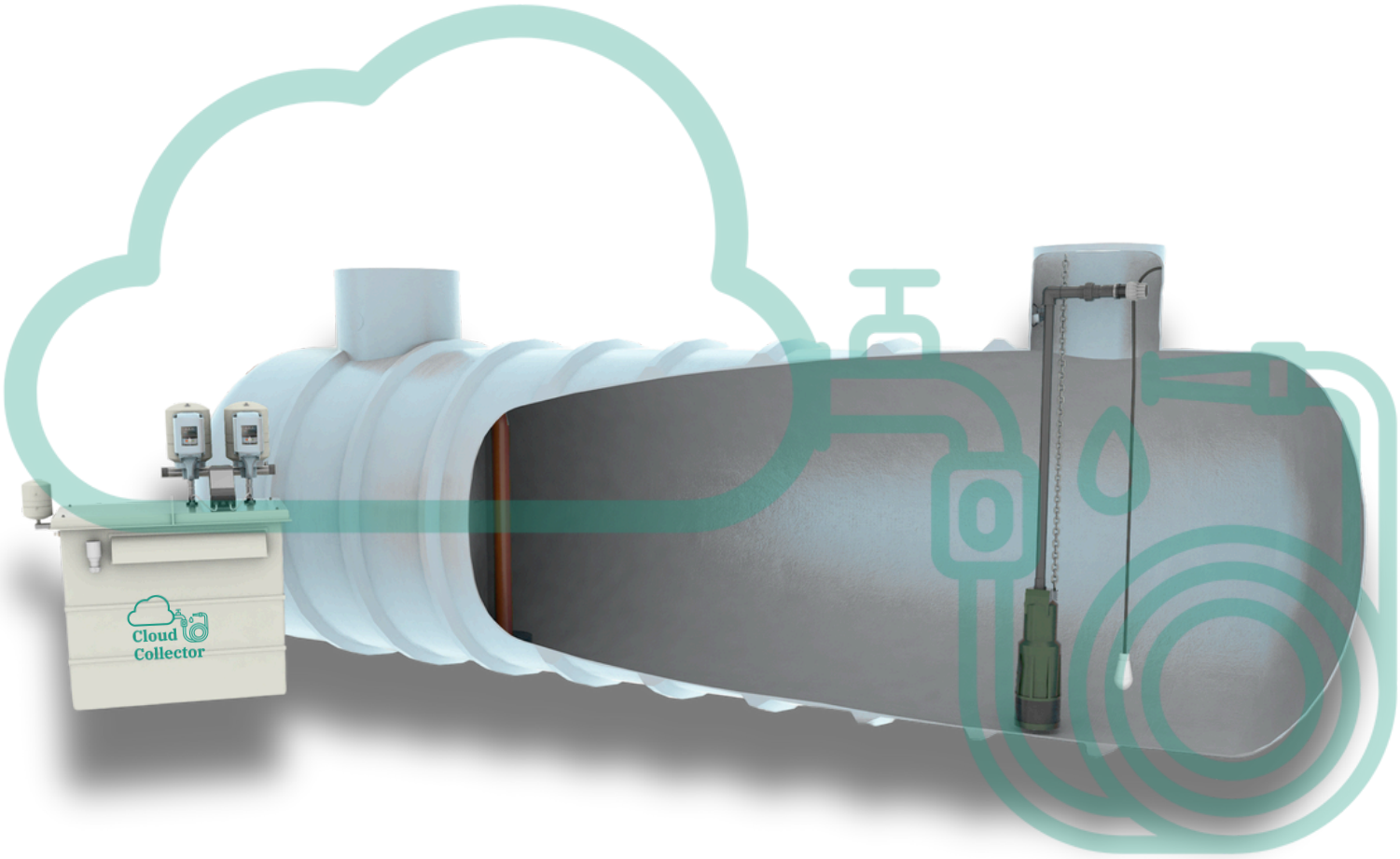
Cloud Collector



Cloud Collector Combi Commercial Rainwater Harvesting Systems

Cloud Collector

Is the Cloud Collector Combi Right for me?

Sustainability and being environmentally conscious are key factors when implementing various aspects of a construction project. The ability to harvest rainwater to reduce the impact on the environment is the primary function of the Total Water Systems Cloud Collector Combi.
In addition to being environmentally friendly, the system has the added benefit of lowering utility costs for the end user by replacing up to 80% of commercially available mains-supplied water with collected rainwater.

The system allows you to comply with government-mandated code when constructing sustainable housing. Additionally, rainwater harvesting scores highly with the Water Efficiency sector of the BREAM accreditation scheme and can help gain planning permission by meeting site drainage guidelines (Building Regulations Part H) as part of a sustainable drainage(SUDS) scheme.

How does it work?

The Cloud Collector Combi works by collecting rainwater that has fallen on the roof of the building in a GRP underground storage tank via the drainage pipework. It is then transferred from the underground storage tank by a submersible pump to a booster set with a break tank which is placed in the property to pump the collected rainwater to relevant outlets in the building. If there hasn't been enough rainfall to meet demand then the mains water top-up will introduce mains water into the booster set's break tank to meet demand until the next rainfall, so the building keeps continuity of supply.

Cloud Collector Combi Features

- GRP underground storage tank
- Integrated filter and silt trap
- Submersible pump with dry run protection
- Variable speed water pressure booster set
- WRAS-approved CAT5 break tank
- Mains water top-up system
- Increased pressure to your building's outlets
- Quiet operation booster pumps
- Pressure and flow control

Cloud Collector Combi Benefits

- Fully configurable for additional electrical devices such as ultra-violet systems
- Can substantially reduce your water bills
- Lowers carbon footprint
- Varying flow and pressure as per your requirements
- Telemetry available as an optional extra with MS alerts
- Arrives at site with fixings and connectors

Cloud Collector

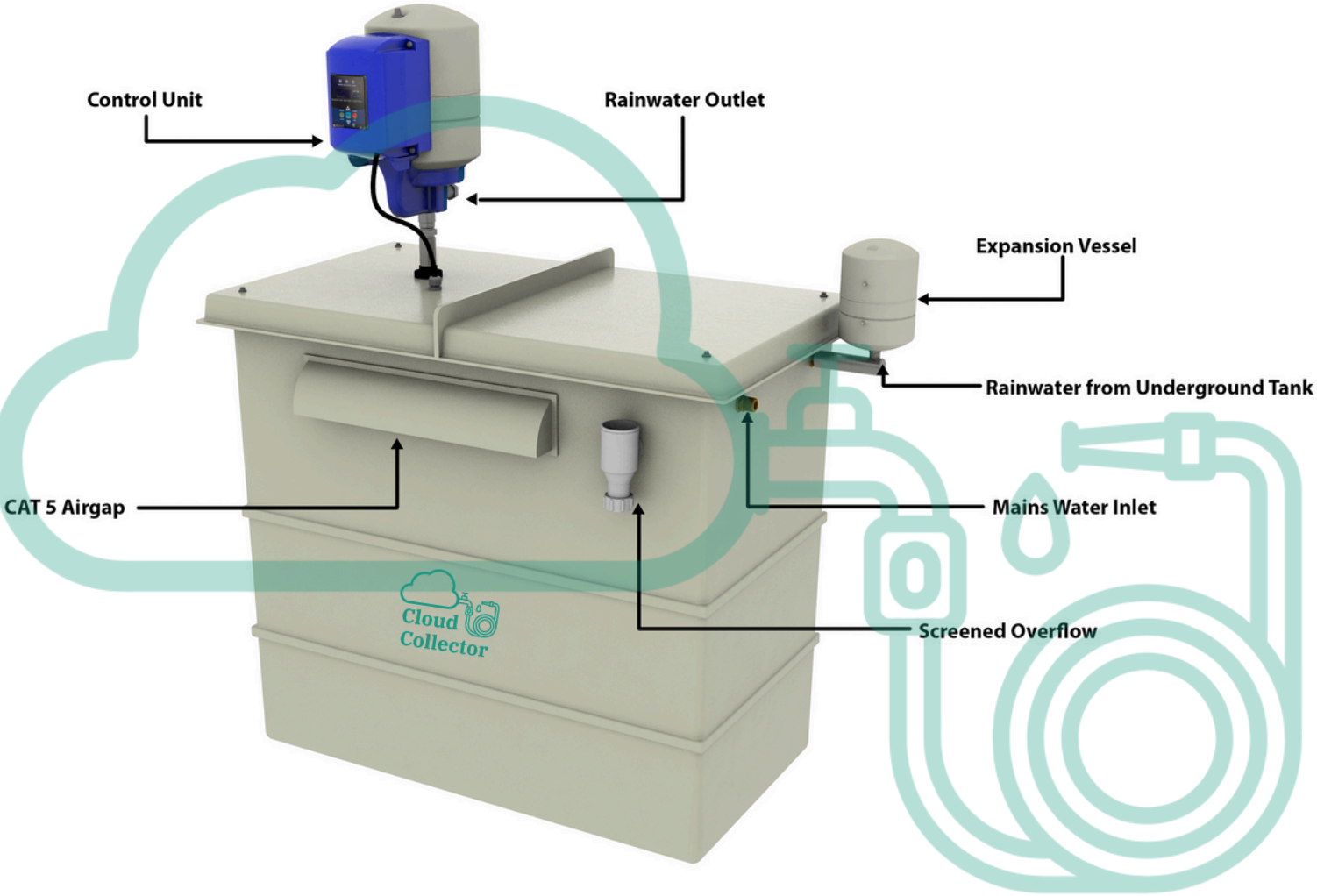
System Breakdown

1. Rainwater is collected from the roof of the building
2. Rainwater then enters sealed gulleys on the property
3. Rainwater then enters an internal filter and sediment trap in the storage tank
4. The harvested rainwater is then stored in the underground tank
5. Overflow to the storm drain or soakaway
6. Submersible transfer pump in the storage tank
7. Rainwater supply pipework to the booster set and break tank
8. Local power supply
9. Mains water supply the booster set break tank for mains water top up
10. Ultraviolet disinfection unit (available on request)
11. Local power supply for submersible pump
12. Overflow to drain
13. Rainwater pumped from the booster set to outlets
14. booster set and break tank



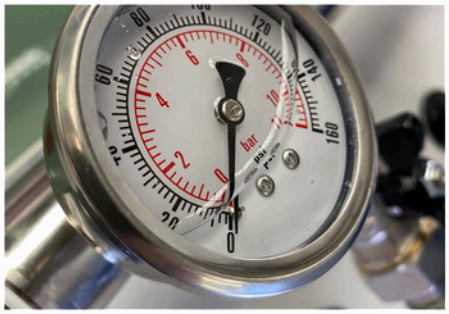
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Cloud Collector Combi
Single Booster Set Features

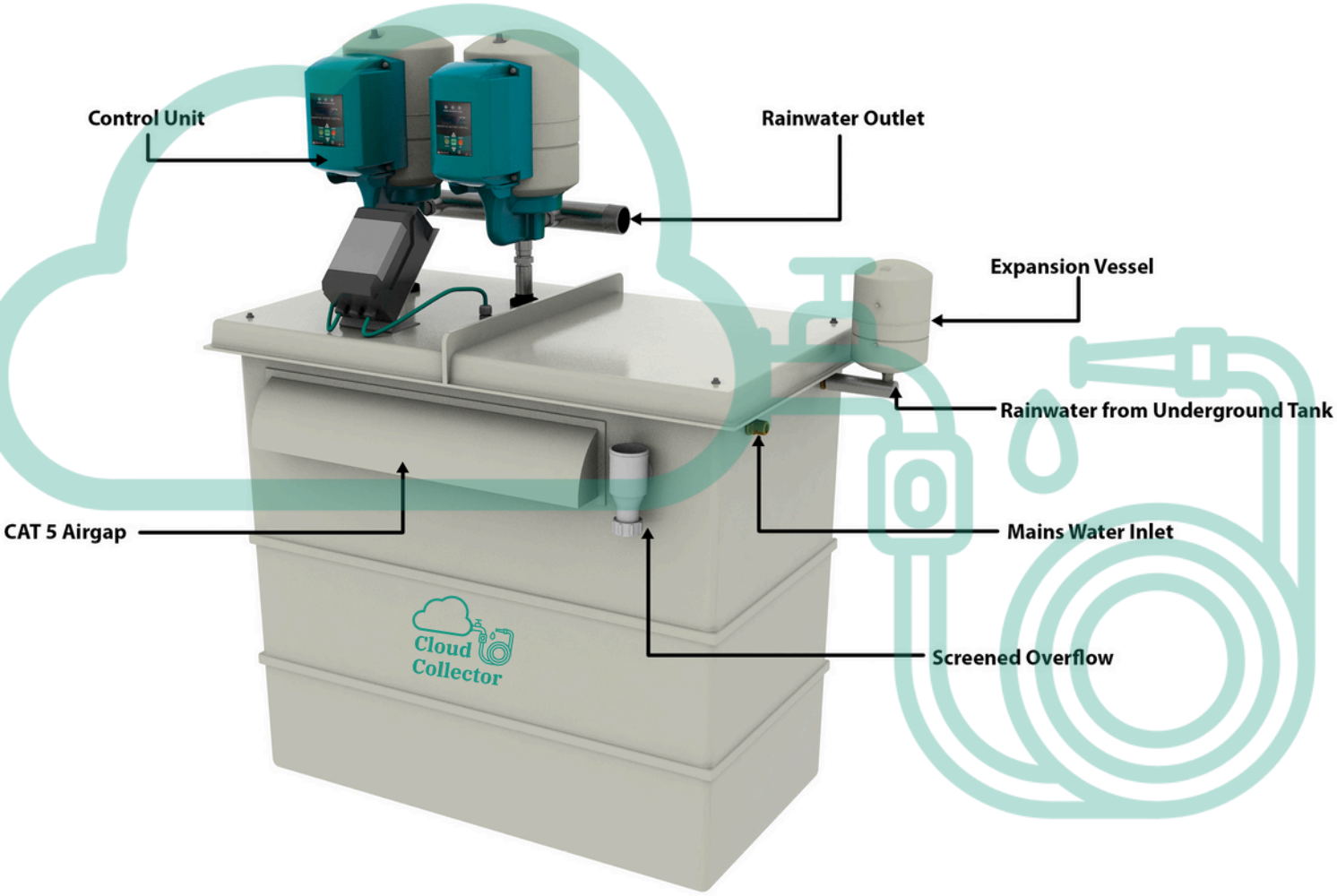






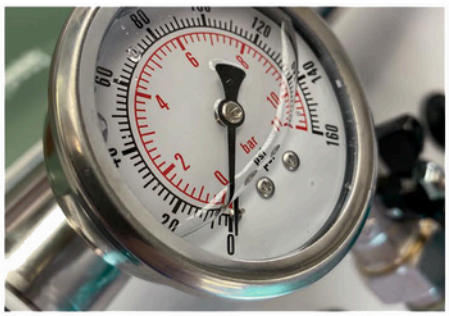


Cloud Collector Combi
Twin Booster Set Features



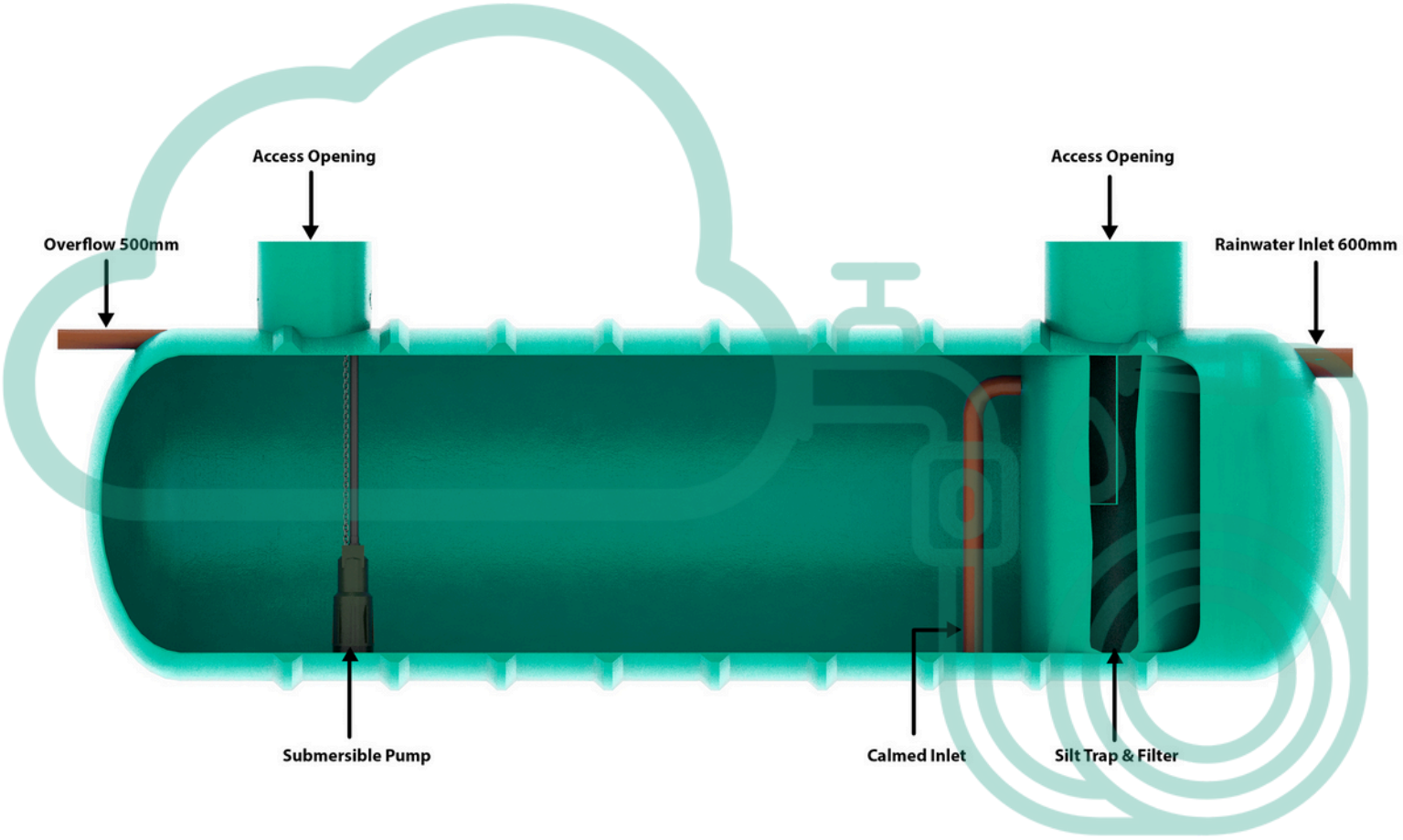






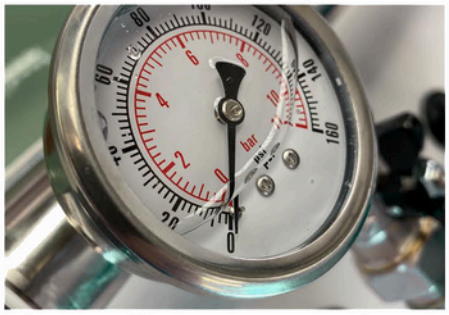
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Cloud Collector Combi Storage Tank Features



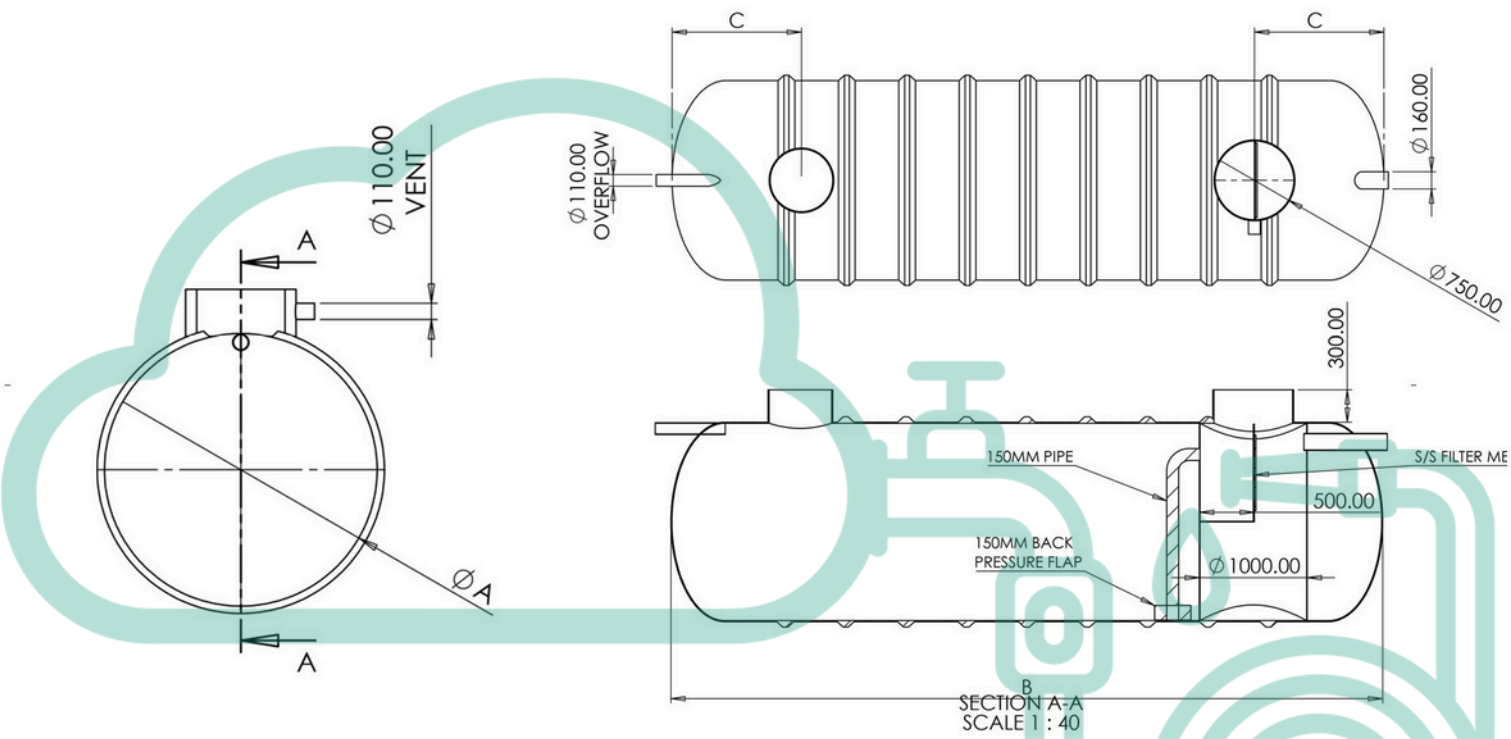






Cloud Collector

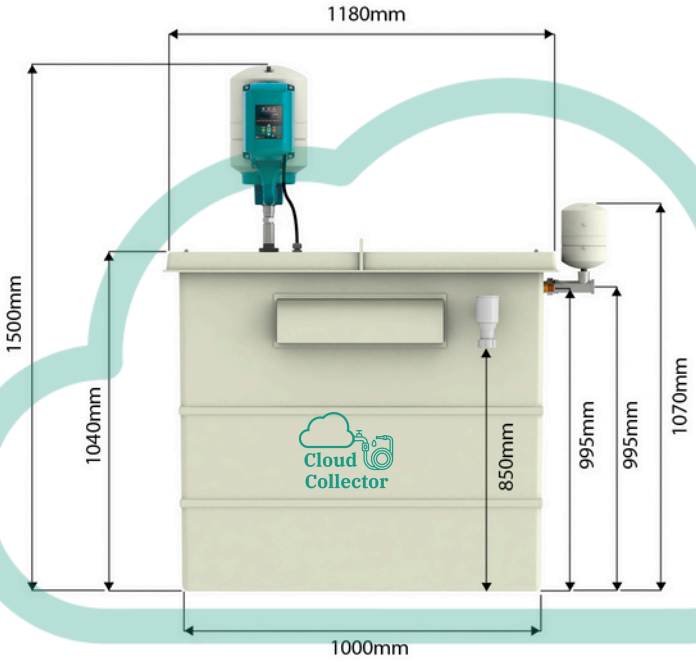
Technical Drawings

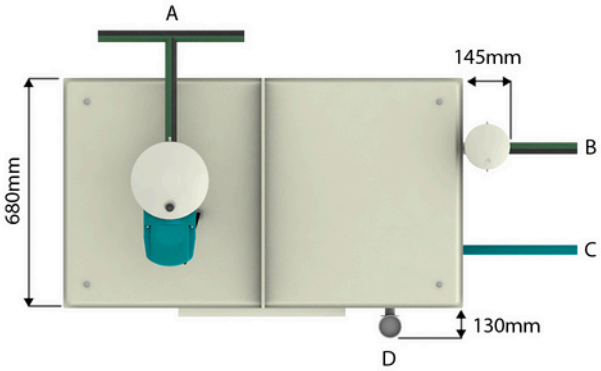


CAPACITY	A	B	C
6000L	1500MM	3600MM	1200MM
8000L	1850MM	3350MM	1600MM
10000L	1850MM	4230MM	1600MM
12000L	1850MM	5070MM	1600MM
14000L	1850MM	5800MM	1600MM
16000L	1850MM	6600MM	1600MM
18000L	1850MM	7160MM	1600MM
20000L	2500MM	4800MM	1600MM
25000L	2500MM	5540MM	1600MM
30000L	2500MM	6550MM	1600MM
40000L	2500MM	8600MM	1600MM
50000L	2500MM	11000MM	1600MM

Cloud Collector

Single 500L Connections





A) Rainwater pumping main outlet 1" female outlet

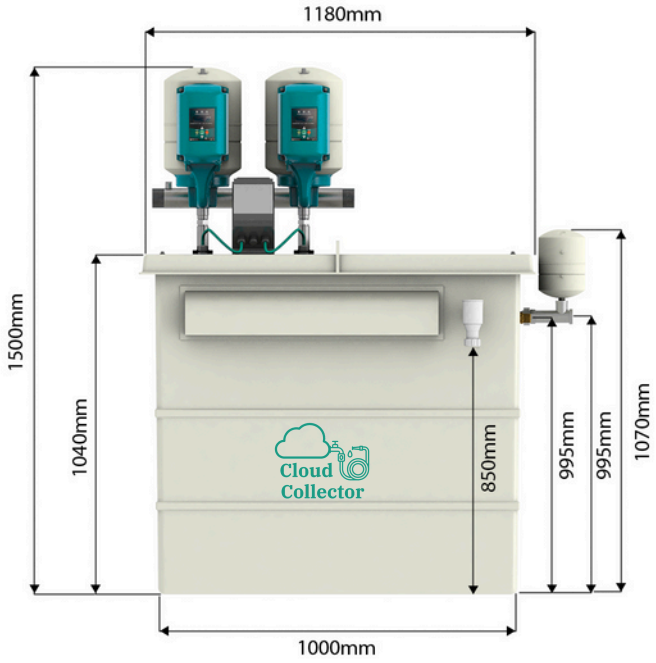
B) Rainwater inlet from underground reduced to 28mm

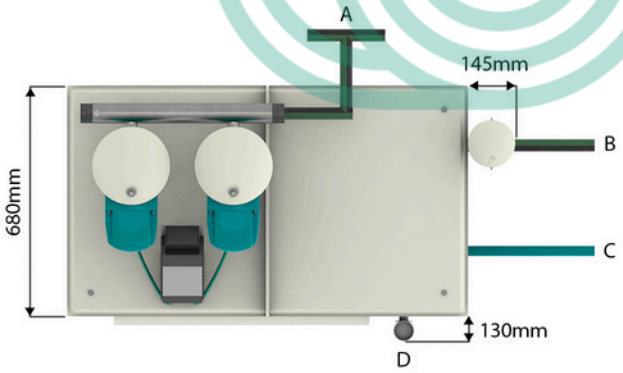
C) Mains water 28mm male inlet

D) Overflow 40mm connection

NOTE: We recommend a minimum of 500mm space above the top of the unit for service and maintenance.

Twin 500L Connections





A) Rainwater pumping main outlet 1" female outlet

B) Rainwater inlet from underground reduced to 28mm

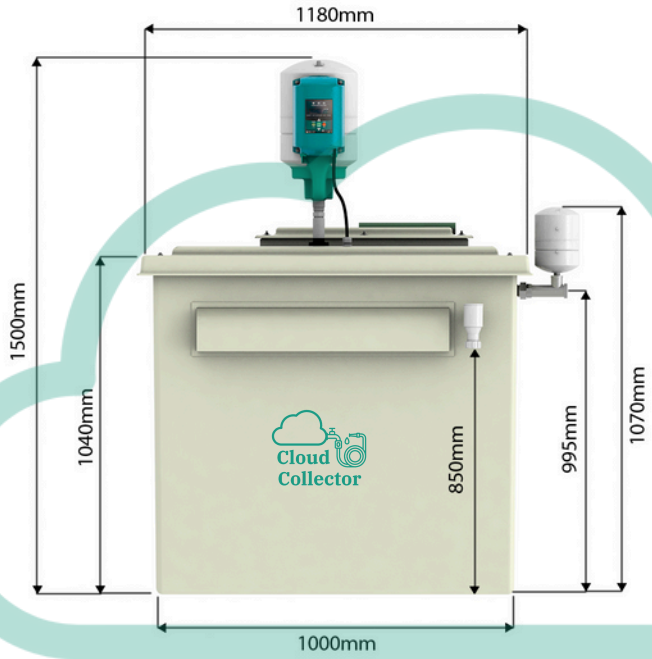
C) Mains water 28mm male inlet

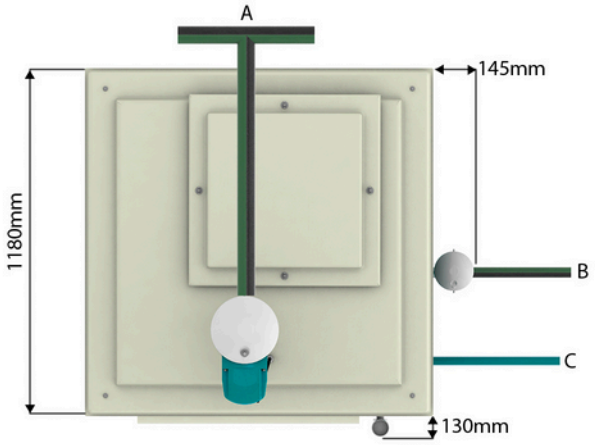
D) Overflow 40mm connection

NOTE: We recommend a minimum of 500mm space above the top of the unit for service and maintenance.

Cloud Collector

Single 1000L Connections





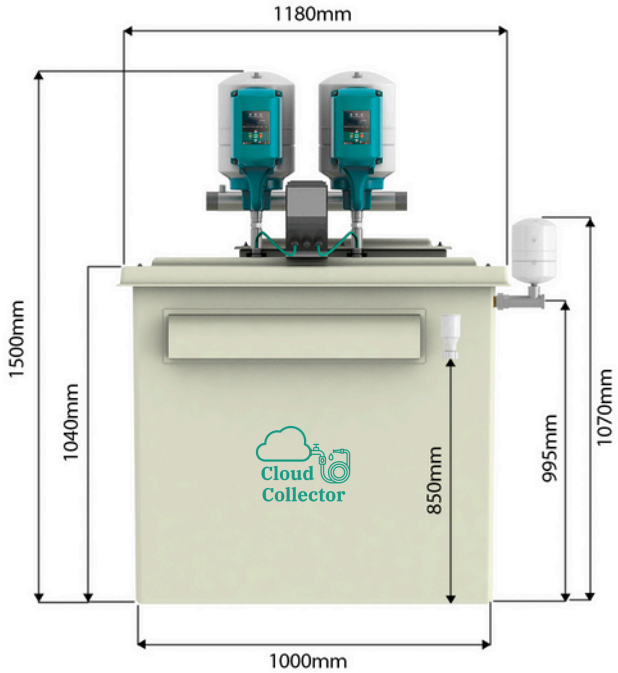
A) Rainwater pumping main outlet 1" female outlet

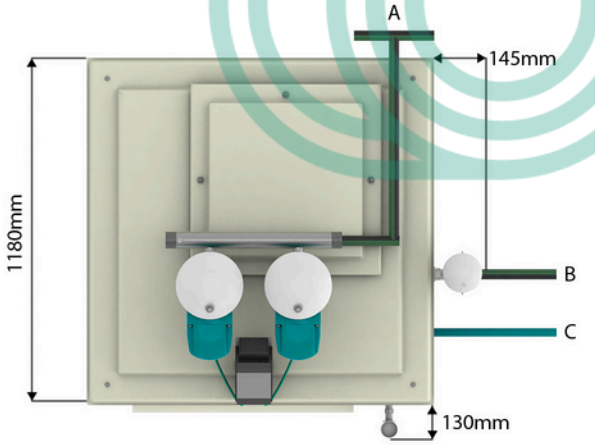
B) Rainwater inlet from underground reduced to 28mm

C) Mains water 28mm male inlet

D) Overflow 40mm connection

Twin 1000L Connections





A) Rainwater pumping main outlet 1" female outlet

B) Rainwater inlet from underground reduced to 28mm

C) Mains water 28mm male inlet

D) Overflow 40mm connection

Cloud Collector

Example Installation

