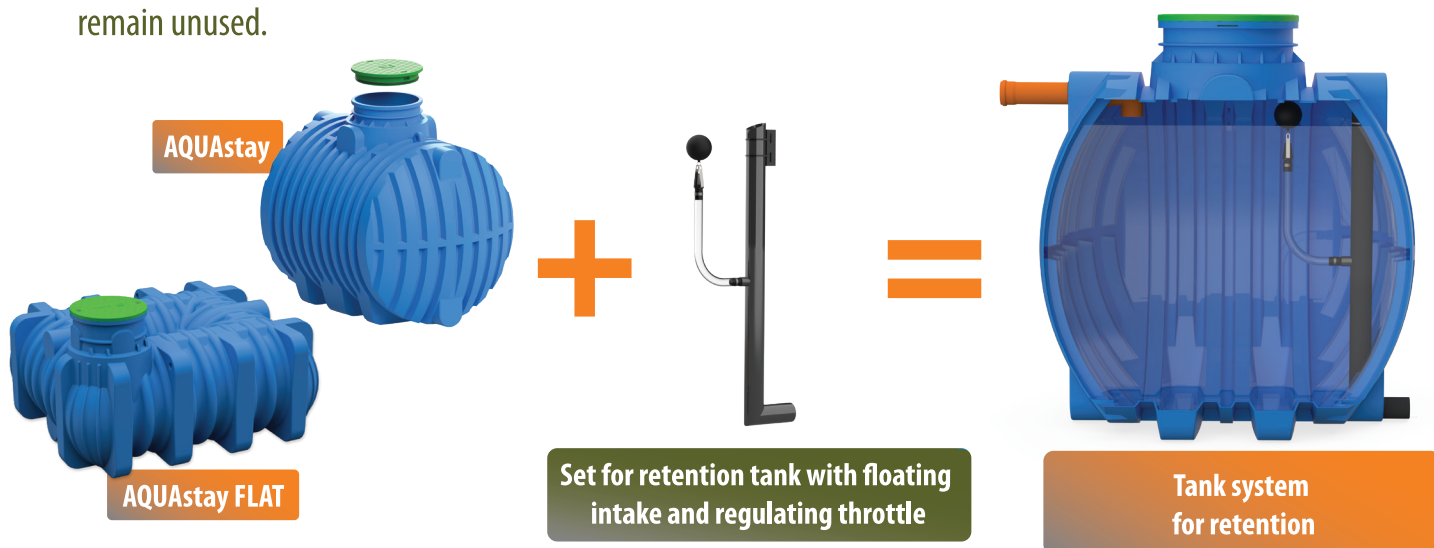


3 in 1: collect, retain, use

AQUAstay retention tank

The **AQUAstay retention tank** combines the functions of stormwater retention and utilization. This comprehensive underground solution enables efficient collection, retention, and reuse of rainwater. Such systems are an excellent solution for facilities that aim to reduce potable water consumption while also temporarily retaining excess stormwater. This approach not only reduces the load on drainage systems but also contributes to sustainable water management, as it utilizes a valuable natural resource that would otherwise remain unused.



Total volume:	Min. water collection volume:	AQUAstay:	AQUAstay FLAT:
500 l	250 l	●	
1.000 l	500 l	●	
2.000 l	1.000 l	●	
2.500 l	1.250 l	●	
3.000 l	1.500 l	●	
3.500 l	1.750 l	●	
5.000 l	2.500 l	●	●
6.000 l	3.000 l	●	
7.000 l	3.500 l	●	
10.000 l	5.000 l	●	●
8.000 l	4.000 l	●	
10.000 l	5.000 l	●	
12.000 l	6.000 l	●	

Total volume:	Min. water collection volume:	AQUAstay:	AQUAstay FLAT:
15.000 l	7.500 l		●
16.000 l	8.000 l	●	
18.000 l	9.000 l	●	
20.000 l	10.000 l	●	●
25.000 l	12.500 l		●
26.000 l	13.000 l	●	
28.000 l	14.000 l	●	
30.000 l	15.000 l	●	
36.000 l	18.000 l	●	
38.000 l	19.000 l	●	
40.000 l	20.000 l	●	
46.000 l	23.000 l	●	
50.000 l	25.000 l	●	

AQUAstay tanks

AQUAstay tanks are designed exclusively for underground installation. They are available in various sizes, with options to adapt to user needs, and with a standard installation depth of 2 – 2.6 m. For more demanding and rocky terrain or areas with high groundwater levels, AQUAstay FLAT tanks are available with an installation depth of 1.5 m.

AQUAstay retention tank



Set for retention tank with floating intake and regulating throttle

Controlled water discharge is ensured by the set for the retention tank with a floating intake and regulating throttle, through which excess water is directed to the drainage system. The throttle, which is part of the retention set, enables controlled water outflow from the tank with a possible flow rate from 0.05 l/s to 2.5 l/s.

* **The water retention set** allows for water overflow and connection of the floating intake with regulating throttle. Typically, the dimension of the set (overflow) corresponds to the dimension of the inlet pipe to the tank or retention unit. If the inlet pipe is larger than Ø200 mm or if the system has multiple inlets, an additional overflow can be installed at the top of the tank / retention unit.

* **The floating intake with regulating throttle** allows water to drain below the surface, where it is usually the cleanest. This prevents potential clogging of the outlet pipe. The regulating throttle, which is part of the floating intake, enables controlled water discharge from the tank with a possible flow rate from 0.05 l/s to 4.0 l/s, depending on the selected intake size.

Ident	Type of Retention Tank Set	Overflow Pipe	Type of Tank	
214351501	AQUAstay SET FOR RETENTION TANK d110 - XL	d110	AQUAstay 3,500 – 7,000 L – XL – diameter 1,700 mm	OPTION TO CONNECT FLOATING INTAKE WITH REGULATING THROTTLE 5/4" OR 2"
214351502	AQUAstay SET FOR RETENTION TANK d110 - XXL	d110	AQUAstay 8,000 – 50,000 L – XXL – diameter 2,300 mm	
214351503	AQUAstay SET FOR RETENTION TANK d110 - FLAT	d110	AQUAstay FLAT	
214351511	AQUAstay SET FOR RETENTION TANK d160 - XL	d160	AQUAstay 3,500 – 7,000 L – XL – diameter 1,700 mm	
214351512	AQUAstay SET FOR RETENTION TANK d160 - XXL	d160	AQUAstay 8,000 – 50,000 L – XXL – diameter 2,300 mm	
214351513	AQUAstay SET FOR RETENTION TANK d160 - FLAT	d160	AQUAstay FLAT	
214351521	AQUAstay SET FOR RETENTION TANK d200 - XL	d200	AQUAstay 3,500 – 7,000 L – XL – diameter 1,700 mm	
214351522	AQUAstay SET FOR RETENTION TANK d200 - XXL	d200	AQUAstay 8,000 – 50,000 L – XXL – diameter 2,300 mm	
214351523	AQUAstay SET FOR RETENTION TANK d200 - FLAT	d200	AQUAstay FLAT	

Ident		Possible Flow Rate of Regulating Throttle [l/s]
214351540	AQUAstay RETENTION TANK – FLOATING INTAKE 5/4" WITH FLOW CONTROL	0,05 - 1,7
214351542	AQUAstay RETENTION TANK – FLOATING INTAKE 2" WITH FLOW CONTROL	1,8 - 4,0

System operation description:



During rainfall, the tank begins to fill with water.



At the level where the floating throttle connection is installed, the excess water starts to discharge in a controlled manner into the drainage system (soakaway, watercourse, or sewer system).



Each tank is equipped with a safety overflow that allows the release of larger quantities of water.



After the rainfall, the water level gradually drops to the optimal level, and the collected rainwater remains available for reuse.



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