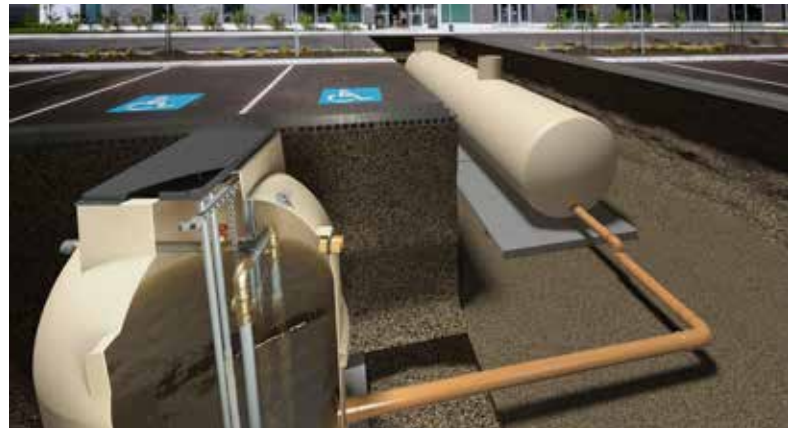


Water Management Solutions



AquaCore® Sustainable Drainage Systems

Reliable and trusted surface water management solutions



kingspan.co.uk/klargester





A fully supported SuDS treatment solution

Water is a precious resource. We must manage it responsibly. In order for your SuDS system to be eligible for adoption, you must align it to the Design and Construction Guidance*, from Sewerage Sector Guidance (appendix C) and CIRIA C753 The SuDS Manual.

Kingspan Klargester have been pioneers in this field for decades, with 65 years experience in manufacturing innovative ways to treat, store and manage the flow of water.

We can design and build a full SuDS solution tailored to your exact needs. Our AquaCore® solutions are fully compliant, reliable and trusted and come with Kingspan's expert service, maintenance and smart monitoring package for your complete peace of mind.

Our UK based factory fitted solutions reduce on-site time and cost, compared with other SuDS offerings in the market. With expertly designed individual components for each part of the SuDS management train, we can help you with any scale of commercial project.

Talk to our expert team today at klargester@kingspan.com

*This guidance is for England only. For Scotland refer to 'Sewers for Scotland'. For Wales refer to 'Statutory SuDS Standards Wales'.

AquaCore® trusted SuDS solutions from the experts in Water Management

Our aim is to future-proof your SuDS solution in line with the Design and Construction Guidance, from Sewerage Sector Guidance (appendix C) and CIRIA C753 The SuDS Manual, whilst offering the following benefits:

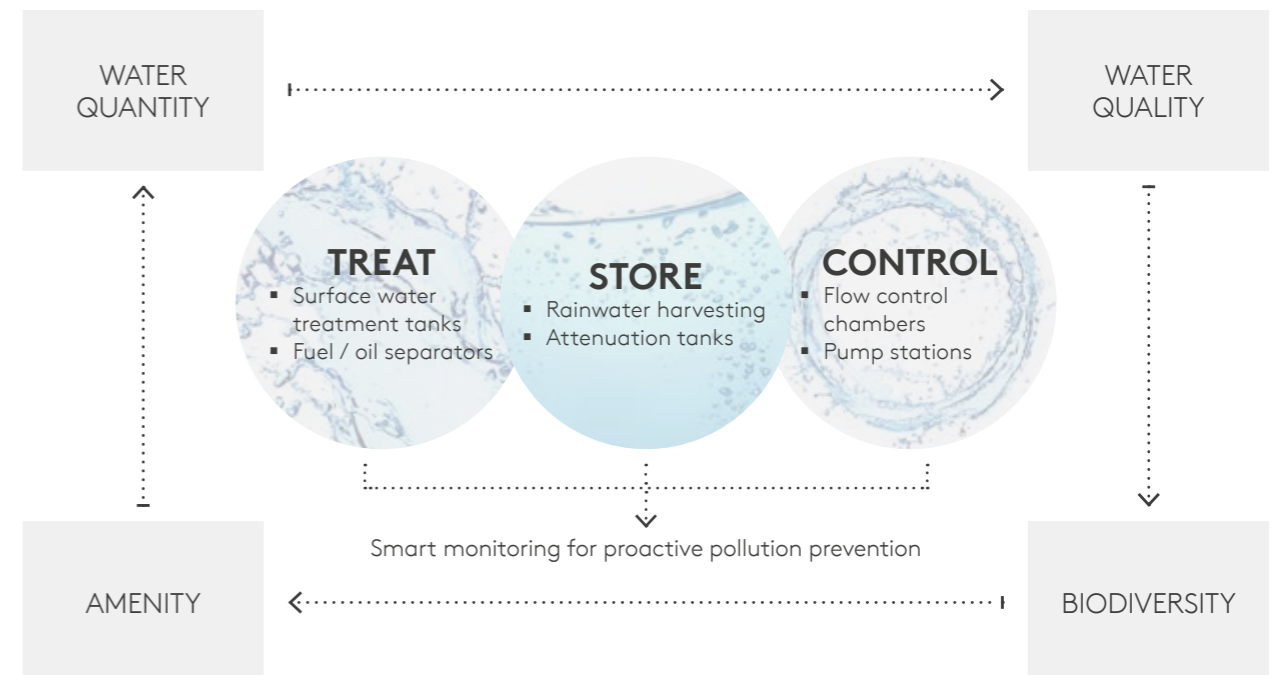
- Trusted solution from manufacturers with 65 years' industry experience
- UK factory fitted solutions which reduce on site time and cost
- Easy access for maintenance across all SuDS elements
- A fully managed solution including service and monitoring via Smart Serv Pro remote monitoring software (optional extra)



Find out more about our service and monitoring packages for SuDS, including our Smart Serv Pro remote monitoring solution
E: FMservices@kingspan.com
T: 0333 240 6868



Contact your local Klargester team today to discuss your project
E: klargester@kingspan.com | T: 01296 633033

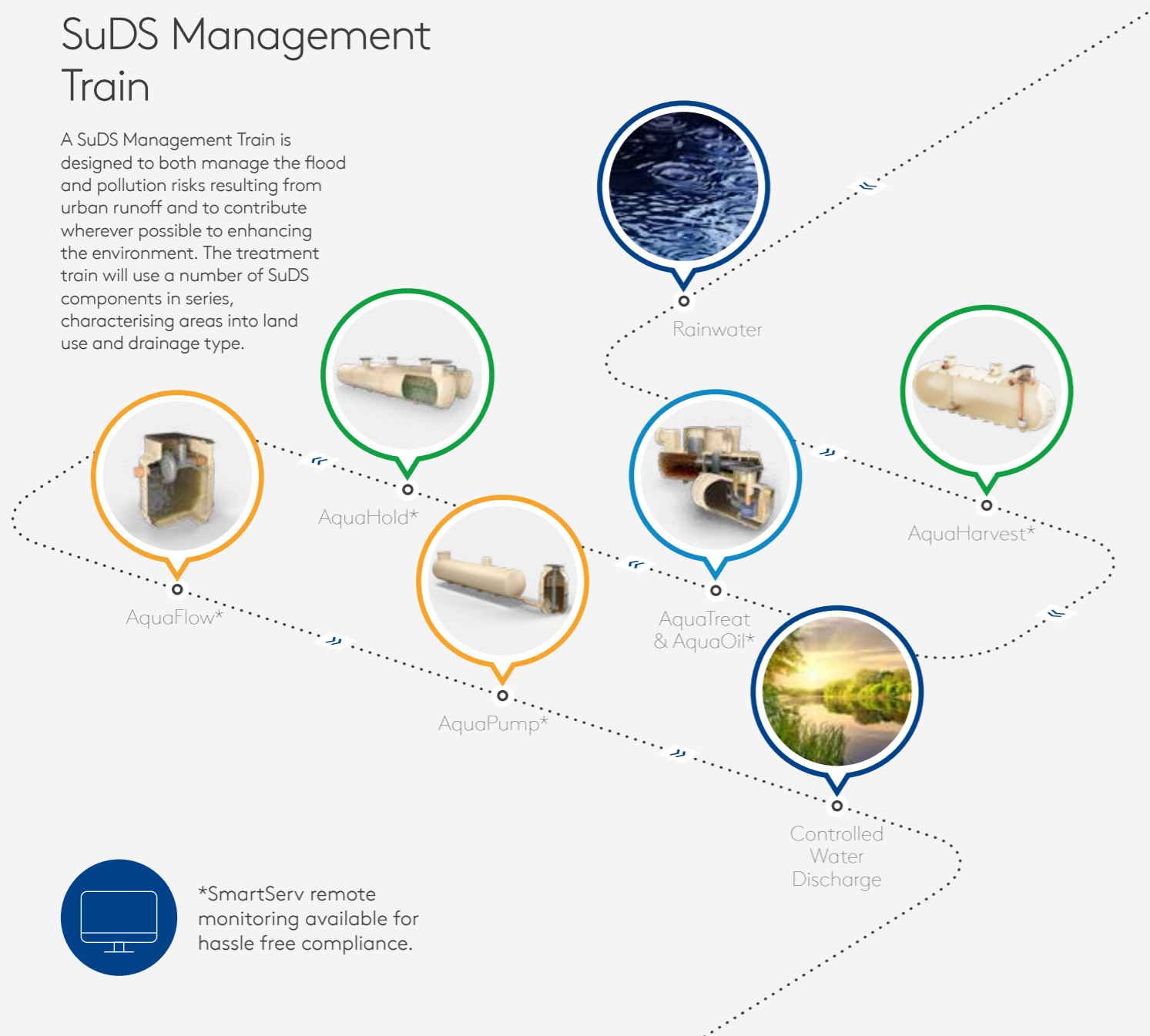


Supporting your SuDS Management Train

The twin forces of climate change and urbanisation have brought about a dramatic rethink in our approach to water management, including water quality, water quantity and biodiversity and amenities.

SuDS Management Train

A SuDS Management Train is designed to both manage the flood and pollution risks resulting from urban runoff and to contribute wherever possible to enhancing the environment. The treatment train will use a number of SuDS components in series, characterising areas into land use and drainage type.

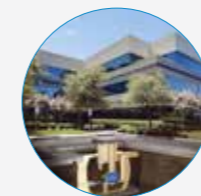


Treat, Store and Control

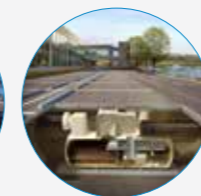
Kingspan Klargester's AquaCore® range is suitable for multiple applications, on and off-mains.



TREAT

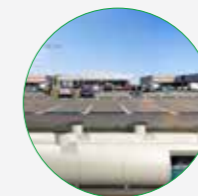


AquaTreat
Surface Water Treatment (SWT) Separators



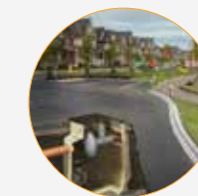
AquaOil
Bypass Light Liquid Separators and Full Retention Light Liquid Separators

STORE



AquaHold
Attenuation Tanks

CONTROL



AquaFlow
Flow Control Solutions



AquaPump
Pumping Stations

AquaTreat

For more information including technical specifications, scan here



The Klargester AquaTreat range of water treatment separators help to reduce pollution in line with SuDS Mitigation Indices by removing metals, suspended solids and hydrocarbons from surface water.

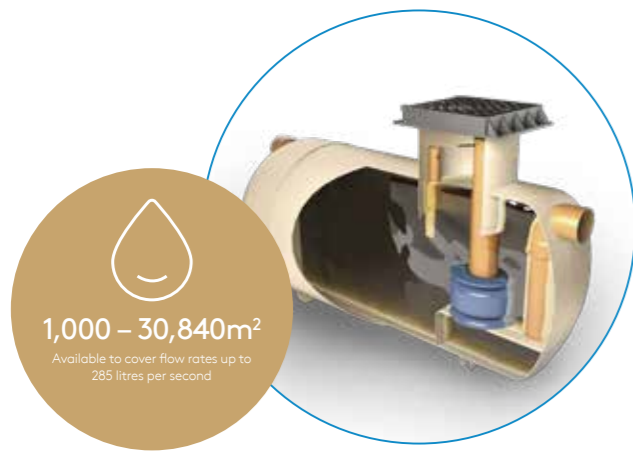
Our surface water treatment range is suitable for a wide range of SuDS schemes such as industrial estates, permitted sites and roadways.

Benefits

- Light and easy to install
- Easier servicing, with maintenance from ground level
- Vent points within necks
- SmartServ Pro remote monitoring available (as optional extra)
- Inclusive of silt storage
- Auto closure device included
- Deep inverts available for 2.6 diameter units

Mitigation Indices Results (based on DIBt)

TSS	Metals	Hydrocarbons
0.85	0.64	0.99



1,000 – 30,840m²

Available to cover flow rates up to 285 litres per second



AquaTreat
Surface Water Treatment (SWT) Separators

AquaOil

For more information including technical specifications, scan here



3 year warranty available when registered online



Scan the QR code to register your warranty



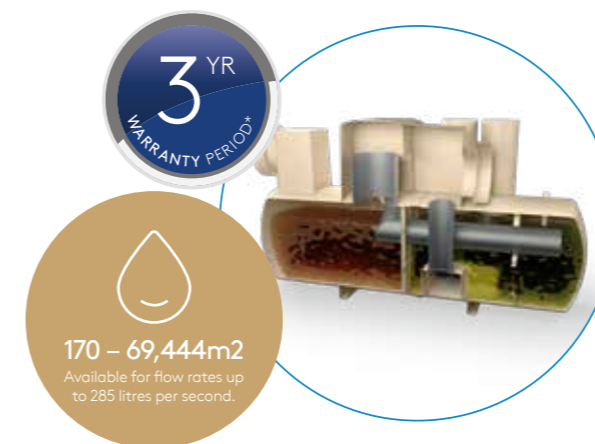
Ask us about our Smart Commissioning package - FMservices@kingspan.com

AquaOil bypass light liquid separators and full retention light liquid separators are classified as effective spill containment systems that meets the BS EN 858-1:2002 Class I effluent targets at low flow rates.

AquaTreat Surface Water (SWT) separators are not considered oil separators according to the BS EN 858-1:2002 standard and must not be used in applications where full certification is required.

Benefits

- GRP and rotomoulded models available
- Easier to service, with maintenance from ground level
- Inclusive of silt storage volume
- Fitted inlet and outlet connectors
- SmartServ Pro remote monitoring solution available (as optional extra)
- Vent points within necks
- Deep inverts available for 2.6 diameter units



170 – 69,444m²

Available for flow rates up to 285 litres per second.

AquaOil
Bypass Light Liquid Separators and Full Retention Light Liquid Separators



3 year warranty available when registered online



Scan the QR code to register your warranty



Ask us about our Smart Commissioning package - FMservices@kingspan.com

AquaHold

For more information including technical specifications, scan here



3 year warranty available when registered online



Scan the QR code to register your warranty



Ask us about our Smart Commissioning package - FMservices@kingspan.com

AquaHarvest

For more information including technical specifications, scan here

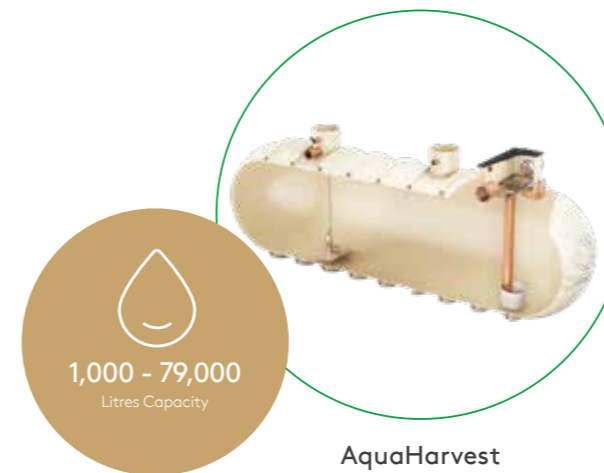


Our AquaHarvest portfolio of rainwater harvesting solutions has been designed on the back of 65 years' design knowledge and use the latest technology.

We offer 14 standard models ranging from 1,000–79,000 litre single or twin pump arrangement, backed up with full technical support and service and maintenance.

Benefits

- Full range available, with single piece models ranging from 1,000 – 79,000 litres
- Built for roof areas up to 2,745m²
- Built in leaf filters
- Flexibility with variable inlet connection sizes and orientations available
- Deep Inverts available on larger diameter units
- Various pump options to deliver higher flows and pressures
- Full technical and servicing support available



AquaHarvest Rainwater Systems

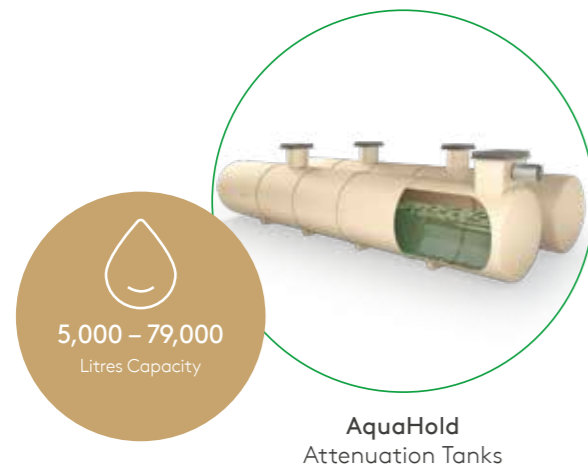
The AquaHold range of Attenuation tanks prevent a build up of silt and other debris, whilst allowing access for regular maintenance.

Klargester AquaHold tanks store increased runoff rates due to new developments and excess flows from storm events. Attenuation serves as a way to help mimic natural runoff rates that have been altered through developing sites.

The Klargester AquaHold range is available from 5,000–79,000 litres in a single tank installation, or larger modular solutions. Ask our team for details.

Benefits

- Simple, robust solution
- Built from durable GRP material
- Suitable for small or large applications
- Easier to service
- Single or multiple tank installations available
- Full technical and servicing support available



AquaHold Attenuation Tanks

3 YR WARRANTY PERIOD

3 year warranty available when registered online

Scan the QR code to register your warranty

Ask us about our Smart Commissioning package - FMservices@kingspan.com



AquaFlow

For more information including technical specifications, scan here

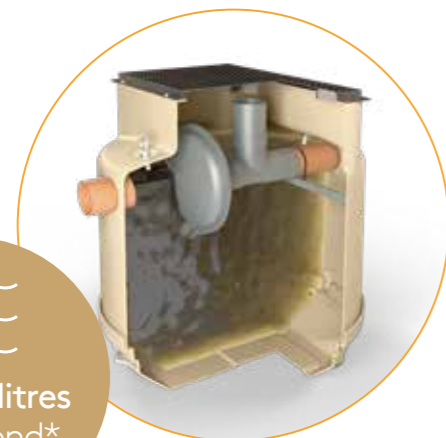


The Largest AquaFlow control device is offered in 3 different chamber model sizes, with a standard range of 0.5 l/s – 80 l/s available. Greater capacities available on request.

Our AquaFlow devices control the runoff rate entering a receiving watercourse/ network. Limiting flow rates help avoid flooding and damage to natural habitats downstream and receiving watercourse. We offer overflow or surface operated bypass options, with full technical support available for your project.

Benefits

- Full range available in 1.2, 1.8 and 2.6 model sizes
- Robust GRP constructed chambers
- Flexibility with variable inlet connection sizes available
- Large chamber to facilitate ladder access in emergency situations
- Standalone product, compatible with crate systems
- Full technical and servicing support available



0.5 – 80 litres per second*

*Flow rates

AquaFlow
Flow Control Solutions



AquaPump

For more information including technical specifications, scan here



3 year warranty available when registered online



Scan the QR code to register your warranty



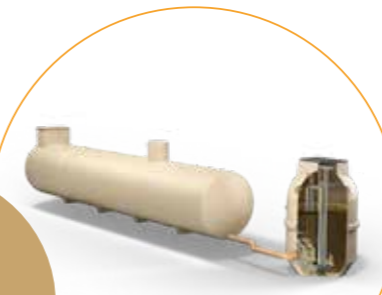
Ask us about our Smart Commissioning package - FMservices@kingspan.com

AquaPump is for use when more than gravity is needed to control the release of water on an application.

With full technical support offered to ensure a bespoke pumping solution, our pump discharge ranges up to 70 litres per second.

Benefits

- Full range available in 0.6, 0.9, 1.0, 1.2, 1.8 & 2.6 model sizes
- Robust GRP constructed chambers
- Bespoke designs to suit difficult site layouts
- Chambers up to 4.5m deep, available as standard
- Discharge rates of 1 – 70 l/s with a variety of pump types
- Variable inlet connection sizes and orientations available
- Full technical and servicing support available



200 - 79000 Litres Capacity

AquaPump
Pumping Stations



3 year warranty available when registered online



Scan the QR code to register your warranty



Ask us about our Smart Commissioning package - FMservices@kingspan.com

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