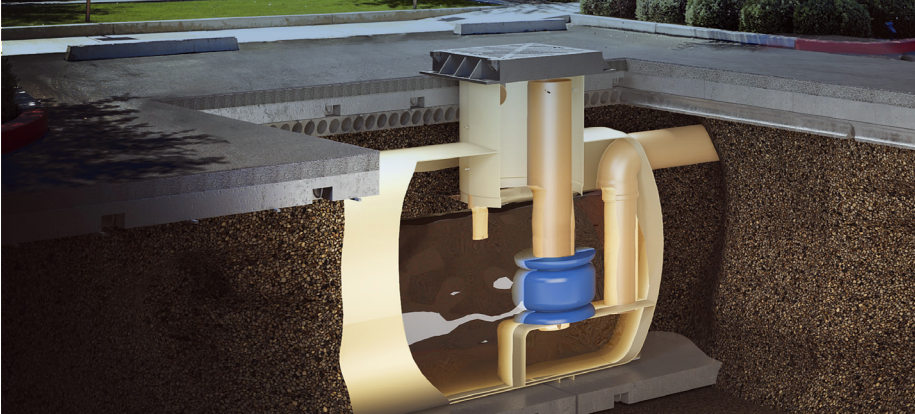


Water Management Solutions



**Klargester**

# AquaTreat Surface Water Treatment Separators



## Mitigation Indices

	6 L/S	10 L/S
TSS	0.8	0.7
METALS	0.6	0.5
Hydrocarbons	0.9*	

\*Tested results to BS EN858 : tested to its maximum design flow rate

## Why choose an AquaTreat separator?

- Larger silt storage capacities (compared to vortex separators)
- Our indices cater for many of the SuDS requirements (single piece solution)
- Reduced risk of silt build up
- Lesser risk of downstream pollution in SuDS solution due to high capacity silt storage
- Easier servicing, with maintenance from ground level
- SmartServ Pro remote monitoring solution (available as optional extra)

		CoP				BS EN 858	
		Total Suspended Solids (TSS)		Metals		Hydrocarbons	
Application Risk (SuDS Manual Indices)		Mitigation Indices	AquaTreat % Removal	Mitigation Indices	AquaTreat % Removal	Mitigation Indices	AquaTreat % Removal
10 L/S	Low Risk	0.7	71.7%	0.5	53.8%	0.9	99.99%
6 L/S	Medium Risk	0.8	81.8%	0.6	61.3%		

As part of our Planet Passionate programme, Kingspan are dedicated to delivering innovative surface water management technologies, developed on the back of 68 years' experience.

\*Terms and conditions apply. View online at <https://www.kingspan.com/gb/en-gb/products/wastewater-management/warranty-terms>



# Klargester AquaTreat

## Surface Water Treatment Separators

### 26.2 Pollution hazard indices for different land use classifications

Land Use	Pollution Hazard Level	Total suspended solids (TSS)	Metals	Hydrocarbons
Residential roofs	Very low	0.2	0.2	0.05
Other roofs (typically commercial/industrial roofs)	Low	0.3	0.2 (up to 0.8 where there is potential for metals to leach from the roof)	0.05
Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) ie <300 traffic movements/day	Low	0.5	0.4	0.4
Commercial yard and delivery areas, non-residential car parking with frequent change (eg hospitals, retail), all roads and trunk roads/ motorways(1)	Medium	0.7	0.6	0.7
Sites with heavy pollution (eg haulage yards, lorry parks, highly frequented lorry approaches to industrial estates, waste sites), sites where chemicals and fuels (other than domestic fuel oil) are to be delivered, handled, stored, used or manufactured; industrial sites; trunk roads and motorways(1)	High	0.8 (2)	0.8 (2)	0.9 (2)

\*As per the SuDS Manual Ciria C753

## Technical Specifications

Model	Low Risk Pollution Hazard		Medium Risk Pollution Hazard		Dimensions		Based on BS EN 858	
	Treated Flowrate [L/s]	Connectable Surface Area [m <sup>2</sup> ]	Treated Flowrate [L/s]	Connectable Surface Area [m <sup>2</sup> ]	Length [mm]	Diameter [mm]	Silt Storage Capacity [L]	Oil Storage Capacity [L]
SWT001	10	1333	6	800	2610	1225	1000	100
SWT002	15	2004	9	1202	3910	1225	1500	150
SWT003	19	2535	11	1524	3230	2010	2000	200
SWT004	23	3105	14	1863	3960	2010	3000	300
SWT005	28	3747	17	2248	4750	2010	4000	400
SWT006	34	4563	21	2738	5970	2010	5000	500
SWT007	44	5814	26	3489	7365	2010	6500	650
SWT008	48	6368	29	3821	5744	2820	8000	800
SWT009	52	6880	31	4128	6200	2820	10000	1000
SWT010	61	8177	37	4906	7365	2820	12500	1250
SWT011	72	9635	43	5781	8675	2820	15000	1500
SWT012	83	11082	50	6649	9975	2820	17500	1750
SWT013	94	12535	56	7521	11280	2820	20000	2000
SWT014	100	13362	60	8017	11994	2820	21000	2100
SWT015	106	14183	64	8510	12766	2820	22500	2250
SWT016	113	15029	68	9017	13528	2820	24000	2400
SWT017	119	15897	72	9538	14300	2820	25500	2550
SWT018	126	16754	75	10053	15071	2820	27000	2700
SWT019	132	17601	79	10560	15833	2820	28500	2850

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