

Water Management Solutions

Klargester

AquaTreat Full Retention GRP Surface Water Treatment Separators



Mitigation Indices

TSS	0.8
Metals	0.6
Hydrocarbons	0.9*
*Test results to BS EN858-1	

Why choose an AquaTreat separator?

- Larger silt storage capacities (compared to vortex separators)
- Our indices cater for high polluted lands (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)

Application Risk (SuDS Manual Indice)	Tested at PIA Aachen				BS EN 858	
	Total Suspended Solids (TSS)		Metals		Hydrocarbons	
	Mitigation Indice	AquaTreat % Removal	Mitigation Indice	AquaTreat % Removal	Mitigation Indice	AquaTreat % Removal
Low Risk	0.7 (70%)	0.756 (75.6%)	0.5 (50%)	0.567 (56.7%)	0.9 (90%)	0.9999 (99.99%)
Medium Risk	0.8 (80%)	0.818 (81.8%)	0.6 (60%)	0.613 (61.3%)		

As part of our Planet Passionate programme, Kingspan are dedicated to delivering innovative surface water management technologies, developed on the back of 70 years' experience.

*Terms and conditions apply. View online at <https://service.kwe.kingspan.com/warranty-registration-ie>

KNECT PRO
POWERED BY
SMART MONITORING

With Klargester, your AquaTreat Full Retention Separator is monitored, serviced and cared for by the experts who know it best, giving you total peace of mind.

Klargester AquaTreat

Full Retention GRP Surface Water Treatment Separators

Technical Specifications

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)

Model	10 l/s Low Risk		6 l/s Medium Risk			
	Treated Flowrate [l/s]	Connectable Surface Area [m²]	Treated Flowrate [l/s]	Connectable Surface Area [m²]	Length (mm)	Diameter (mm)
SWT001	10	1333	6	800	2610	1225
SWT002	15	2004	9	1202	3910	1225
SWT003	19	2535	11	1521	3230	2010
SWT004	23	3105	14	1863	3960	2010
SWT005	28	3747	17	2248	4750	2010
SWT006	34	4563	21	2738	5970	2010
SWT007	44	5814	26	3489	7365	2010
SWT008	48	6368	29	3821	5744	2820
SWT009	52	6880	31	4128	6200	2820
SWT010	61	8177	37	4906	7365	2820
SWT011	72	9635	43	5781	8675	2820
SWT012	83	11082	50	6649	9975	2820
SWT013	94	12535	56	7521	11280	2820
SWT014	100	13362	60	8017	11994	2820
SWT015	106	14183	64	8510	12766	2820
SWT016	113	15029	68	9017	13528	2820
SWT017	119	15897	72	9538	14300	2820
SWT018	126	16754	75	10053	15071	2820
SWT019	132	17601	79	10560	15833	2820

For more information on any of our products: T: +44 (0)28 3026 6799

E: klargestinfo@kingspan.com or visit klargest.ie

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