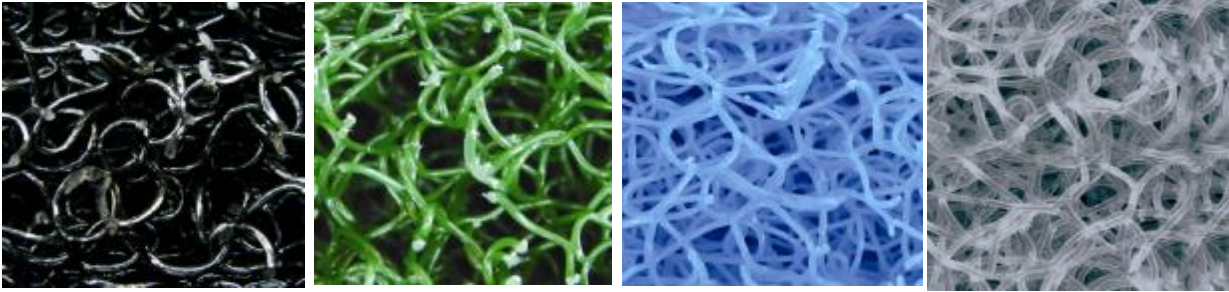


Matala fixed bed filter media

Think Progressive !



available in sheets



Pipes



Rolls

Ring



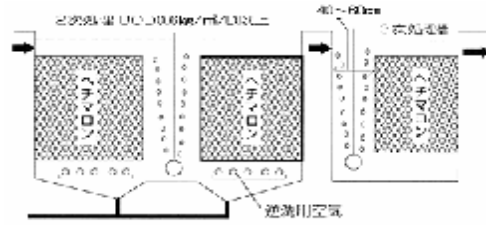
Filed application :

- Industrial Waste Water treatment
- Domestic sewage treatment
- Storm water treatment
- Recirculation Salt and fresh water fish farming
- Aeration plants
- Bio-scrubbers and cooling towers
- water-oil separation
- Marine habitat rehabilitation

Application Examples :



Matala filter media installed as progress biofilter in swine wastewater treatment (- after the Active sludge process)

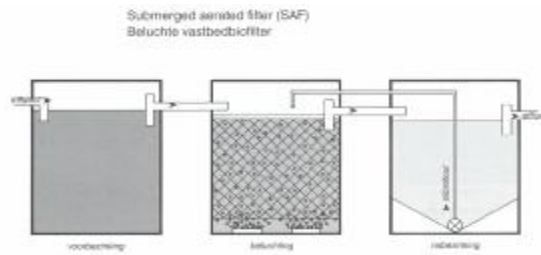


	BOD	COD	SS
Influent	406mg/l	950 mg/l	579 mg/l
Effluent	37	110	35

type of Matala® used : SM190, SM290, SM380

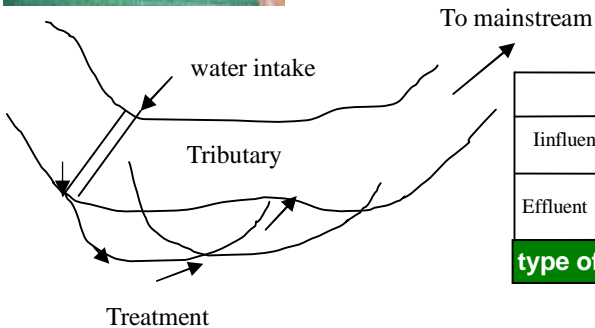


Matala filter media installed in SAF for sewage wastewater treatment (System CE certified)



	BOD	COD	NH4-N	SS
Influent	397 mg/l	1260	48 mgN/l	620 mg/l
Effluent	<6	48	1.47	4
Removal Rate	98 %	96 %	97 %	99 %

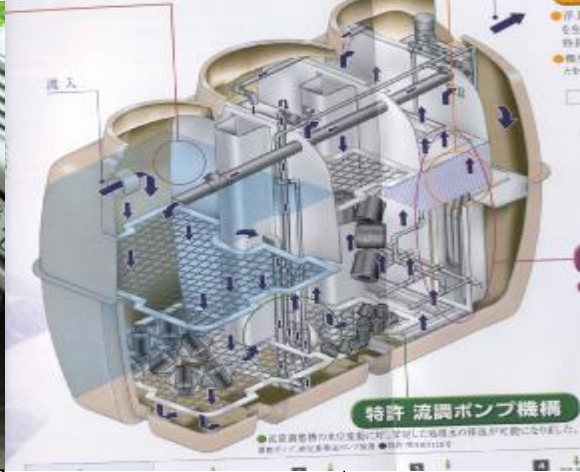
type of Matala® used : SM150



	BOD	COD	NH3-N	TKN	SS	TP
Influent	84 mg/l	174 mg/l	26 mg/l	33 mg/l	42 mg/l	5.2 mg/l
Effluent	20 mg/l	43 mg/l	7 mg/l	11 mg/l	9 mg/l	3.3 mg/l

type of Matala® used : SM150, SM290, SM365, SM465

Application Examples :



Matala filter media installed in Anerobic chamber for FRP small sewage treatment modul(System licensed in Japan)

	BOD	COD	SS	E. coli
Effluent	11 mg/l	17 mg/l	4 mg/l	<50CFU

type of Matala® used : TM7563



		Fvoor	Fvoor	Fna	Fna
		2017/9/1	2024/9/1	2017/9/1	2024/9/1
Pressure	mm	15	70	15	70
Feed flux	m ³ /h	4,58	4,27	4,58	4,27
pH		7,73	7,97	7,82	7,87
Suspended solids	mg/l	3,3	3,4	<2	13,2
Nitrite	mg N/l	0,01	0,03	0,01	0,03
Nitrate	mg N/l	0,27	1,11	0,68	3,14
Ammonia	mg NH ₄ /l	0,75	0,82	0,34	0,3
Turbidity	NTU	20,17	18,94	8,48	5,27
HPC 22°C	kve/ml	60	43	77	64
HPC 37°C	kve/ml	17	24	22	15
Tot coliforms	kve/ml	0	0	0	0
Total phosphorous	mg/l	0,11	0,08	0,062	0,021
Total iron	mg/l	2,03	2	1,08	0,78

type of Matala® used : TM800

Matala used for underground water de-iron



Matala used for Settlement substrate for mollusks: test done by TNO institute in Nederland, the production increased by 6-8 time than conventional grow