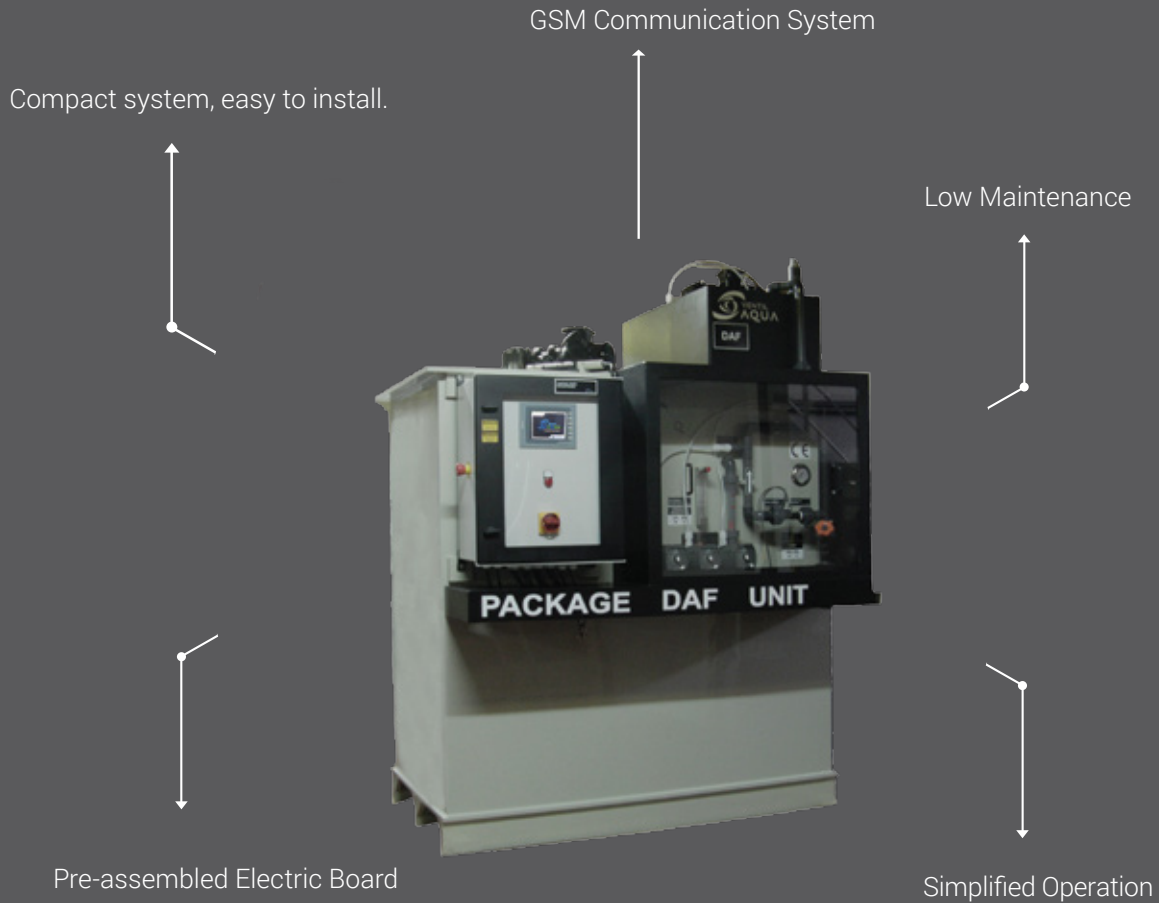



Compact Waste Water Treatment Plant

VAMIEF

FLOTATION PACKAGE UNIT



CE CE Certified

 Possibility of Water Recovery

\$ Low Cost

VAMEF MODELS

MODEL	Units (SI)	VAMEF 08	VAMEF 12	VAMEF 18
Nominal flow (max)	L / h (gal/h)	1500(390)	3000(780)	6000(1585)
max solids load	mg / l	800	800	800
MANUFACTURING SPECIFICATIONS				
Dimensions				
Max width	mm (ft)	1200(3,94)	1650(5,41)	2160(7,09)
Max Height	mm (ft)	1900(6,23)	2150(7,12)	2400(7,87)
Length	mm (ft)	1700(5,58)	2160(7,12)	2600(8,53)
Space required	mm x mm (ft×ft)	2600 x 1500(8,53×4,92)	3000 x 2200(9,84×7,22)	3500 x 2650(11,48×8,70)
Installed power	kW	2	3	5
Manufacturing materials				
		PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Piping				
Raw WasteWater inlet	mm (in)	32(1)	50(2)	50(2)
Treated water outlet	mm (in)	50(2)	63(2 1/2)	63(2 1/2)
Air inlet	mm (in)	8(3/8)	8(3/8)	8(3/8)
water recycling	mm (in)	32(1)	50(2)	75(3)
Flocculation reactor :				
Volume	L (gal)	200(52)	400(104)	400(104)
Dimensions	mm × mm (ft×ft)	800 x 500(2,62×1,64)	1200 x 750(3,94×2,46)	D500 x H2000(1,64×6,57)
Flocculation Stirrer :				
Diameter	mm (in)	200(8)	350(14)	350(14)
Installed power	kW	0,25	0,37	0,37
Sludge Discharge				
Top motorized scraper :				
Diameter	mm (in)	800(32)	1200(48)	1800(72)
Installed power	kW	0,25	0,55	0,75
Bottom pneumatic valve :				
Diameter	mm (in)	50(2)	75(3)	75(3)
Compressed air				
No. units	Unit	1	1	1
Max air flow	L / h (gal/h)	10(2,6)	22(5,72)	50(13)
Air pressure	bar	4,5	4,5	4,5
CHEMICAL TREATMENT EQUIPEMENT				
Coagulant Dosing pump				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,7
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	27(7,0)
Neutralizer Dosing pump				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,7
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	27(7,0)
Flocculant Dosing pump				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,7
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	27(7,0)
pH Control				
Electrode probe		Glass + Bulb	Glass + Bulb	Glass + Bulb
Transmitter		4-20 mA	4-20 mA	4-20 mA
Converter		Digital	Digital	Digital
Chemical Tanks				
Material	-	PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Volume	L (gal)	200(52)	500(130)	500(130)
Diameter	mm (in)	480(19,2)	550(22)	740(29,6)
Height	mm (ft)	680(2,23)	980(3,22)	1280(4,20)

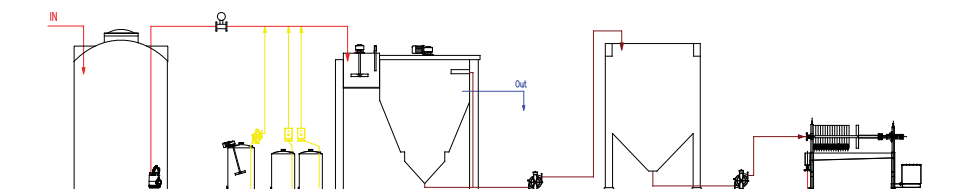
“simple and cost effective compact systems”

DESCRIPTION

VAMEF is a standardized, preassembled waste water treatment system with the necessary components, such as electrical agitator, pumping systems, dosing units, reactor/flocculator, and controls.

OPERATION

It is a continuous operating waste water treatment plant, according to the precipitation/flocculation principle with flotation for water clarification, with liquid chemical agents application, and with automatic adjustment of the pH value in reaction vessel.



Compact Waste Water Treatment Plant

VAMEF

FLOTATION PACKAGE UNIT R MODELS

Wireless Communication System

Compact system, easy to install.

Low Maintenance



Pre-assembled Electric Board



Simplified Operation



VAMEF R MODELS

MODEL	Units (SI)	VAMEF 10R	VAMEF 15R	VAMEF 20R
Nominal flow (max)	L / h (gal/h)	10000(2600)	15000(3900)	20000(5200)
max solids load	mg / l	800	800	800
MANUFACTURING SPECIFICATIONS				
Dimensions				
Max width	mm (ft)	2110(6,92)	2110(6,92)	2110(6,92)
Max Height	mm (ft)	2130(6,98)	2130(6,98)	2133(6,99)
Length	mm (ft)	2475(8,12)	3245(10,64)	3995(13,10)
Space required	mm x mm(ft×ft)	3000 x 2600(9,78×8,47)	4000 x 2600(13,0×8,47)	4600 x 2600(14,00×8,47)
Installed power	kW	2	3	5
Manufacturing materials		PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Piping				
Raw WasteWater inlet	mm (in)	63(2,4)	63(2,4)	63(2,4)
Treated water outlet	mm (in)	125(4,9)	125(4,9)	125(4,9)
Air inlet	mm (in)	20(0,7)	20(0,7)	20(0,7)
water recycling	mm (in)	50(1,9)	50(1,9)	75(3)
Flocculation reactor :				
Volume	L (gal)	200(52)	400(104)	400(104)
Dimensions	mm x mm (ft×ft)	800 x 500(2,62×1,64)	1200 x 750(3,94×2,46)	D600 x H1760(1,64×6,57)
Flocculation Stirrer :				
Diameter	mm (in)	200(8)	350(14)	350(14)
Installed power	kW	0,25	0,37	0,37
Sludge Discharge				
Top motorized scraper :				
Length	mm (in)	965(37,99)	1765(69,48)	2465(97,04)
Installed power	kW	0,25	0,55	0,75
Bottom pneumatic valve :				
Diameter	mm (in)	50(2)	75(3)	75(3)
Compressed air				
No. units	Unit	1	1	1
Max air flow	L / h (gal/h)	10(2,6)	22(5,72)	50(13)
Air pressure	bar	4,5	4,5	4,5
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Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,7
flowrate	lh (gal/h)	8,5(2,21)	8,5(2,21)	27(7,0)
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Electrode probe		Glass + bulb	Glass + bulb	Glass + bulb
Transmitter		4-20 mA	4-20 mA	4-20 mA
Converter		Digital	Digital	Digital
Chemical Tanks				
Material	-	PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Volume	L (gal)	100(26)	200(52)	500(130)
Diameter	mm (in)	480(19,2)	550(22)	740(29,6)
Height	mm (ft)	680(2,23)	980(3,22)	1280(4,20)

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