

Compact Waste Water Treatment Plant

VAMMEF

FLOTATION PACKAGE UNIT

Compact system, easy to install.

GSM Communication System

Low Maintenance



Pre-assembled Electric Board

Simplified Operation



MODEL	Units (SI)	VAMEF 08	VAMEF 12
Nominal flow (max)	L / h (gal/h)	1500(390)	3000(780)
max solids load	mg / l	800	800
MANUFACTURING SPECIFICATIONS			
Dimensions			
Max width	mm (ft)	1200(3,94)	1650(5,41)
Max Height	mm (ft)	1900(6,23)	2170(7,12)
Length	mm (ft)	1700(5,58)	2170(7,12)
Space required	mm x mm(ft×ft)	2600 x 1500(8,53×4,92)	3000 x 2200(9,84×7,22)
Installed power	kW	2	3
Manufacturing materials		PP / PE / PVC	PP / PE / PVC
Piping			
Raw WasteWater inlet	mm (in)	32(1)	50(2)
Treated water outlet	mm (in)	50(2)	63(2 1/2)
Air inlet	mm (in)	8(3/8)	8(3/8)
water recycling	mm (in)	32(1)	50(2)
Flocculation reactor :			
Volume	L (gal)	200(52)	400(104)
Dimensions	mm × mm (ft×ft)	800 x 500(2,62×1,64)	1200 x 750(3,94×2,46)
Flocculation Stirrer :			
Diameter	mm (in)	200(8)	350(14)
Installed power	kW	0,25	0,37
Sludge Discharge			
Top motorized scraper :			
Diameter	mm (in)	800(32)	1200(48)
Installed power	kW	0,25	0,55
Bottom pneumatic valve :			
Diameter	mm (in)	50(2)	75(3)
Compressed air			
No. units	Unit	1	1
Max air flow	L / h (gal/h)	10(2,6)	22(5,72)
Air pressure	bar	4,5	4,5
CHEMICAL TREATMENT EQUIPEMENT			
Coagulant Dosing pump			
Type		Membrane	Membrane
Installed power	kW	0,22	0,22
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)
Neutralizer Dosing pump			
Type		Membrane	Membrane
Installed power	kW	0,22	0,22
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)
Flocculant Dosing pump			
Type		Membrane	Membrane
Installed power	kW	0,22	0,22
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)
pH Control			
Electrode probe		Glass + bulb	Glass + bulb
Transmitter		4-20 mA	4-20 mA
Converter		Digital	Digital
Chemical Tanks			
Material	--	PP / PE / PVC	PP / PE / PVC
Volume	L (gal)	100(26)	200(52)
Diameter	mm (in)	480(19,2)	550(22)
Height	mm (ft)	680(2,23)	980(3,22)

“simple and cost effective compact systems”

DESCRIPTION

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

OPERATION

Its a continuous operating wastewater 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.

