



Compact Waste Water Treatment Plant

# VAMEC

CONTINUOUS FLOW PACKAGE UNIT

Compact system, easy to install.

GSM Communication System

Low Maintenance



Pre-assembled Electric Board

Simplified Operation



CE Certified



Possibility of  
Water Recovery



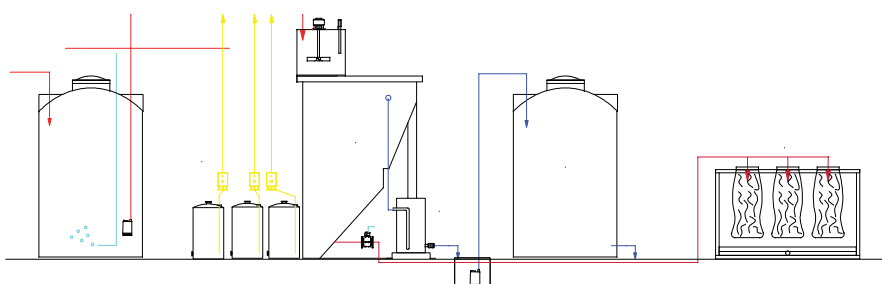
Low Cost



## VAMEC MODELS

MODEL	Units (SI)	VAMEC 05R	VAMEC 10R	VAMEC 20R
Nominal flow (max)	L / h (gal/h)	500(130)	1000(260)	2000(520)
<b>MANUFACTURING SPECIFICATIONS</b>				
Dimensions				
Max width	mm (ft)	900(2,95)	1150(3,77)	1500(4,92)
Max Height	mm (ft)	2300(7,55)	2700(8,86)	3100(10,17)
Length	mm (ft)	1400(4,59)	1500(4,92)	1900(6,23)
Space required	mm x mm (ft×ft)	2000 x 1000(6,56×3,28)	2400 x 2000(7,87× 6,56)	3500 x 2400(11,48×7,87)
Installed power	kW	2	3	4
Manufacturing materials		PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Piping				
Raw WasteWater inlet	mm (in)	32(1)	50(2)	63(2 1/2)
Treated water outlet	mm (in)	50(2)	63(2 1/2)	75(3)
carbon filter counter wash inlet	mm (in)	32(1)	32(1)	50(2)
carbon filter cleaning washout	mm (in)	50(2)	50(2)	63(2 1/2)
<b>Flocculation reactor :</b>				
Volume	L (gal)	100(26)	200(52)	300(78)
Dimensions	mm (ft)	500 x 400(1,64×1,31)	800 x 500(2,62×1,64)	1000 x 600(3,28×1,97)
<b>Flocculation Stirrer :</b>				
Diameter	mm (in)	200(8)	200(8)	350(14)
Installed power	kW	0,25	0,25	0,37
Sludge Discharge				
<b>Bottom with pneumatic valve :</b>				
Diameter	mm (ft)	50(2)	75(3)	75(3)
<b>Carbon filter :</b>				
Volume	L (gal)	50(13)	250(65)	450(117)
Dimensions (Ø x h)	mm (ft)	400 x 500(1,31×1,64)	600 x 900(1,97×2,95)	900 x 900(2,95×2,95)
<b>CHEMICAL TREATMENT EQUIPMENT</b>				
<b>Coagulant Dosing pump</b>				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,37
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	12,5(3,25)
counterpressure	bar	3	3	4
<b>Neutralizer Dosing pump</b>				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,37
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	12,5(3,25)
counterpressure	bar	3	3	4
<b>Flocculant Dosing pump</b>				
Type		Membrane	Membrane	Membrane
Installed power	kW	0,22	0,22	0,37
flowrate	l/h (gal/h)	8,5(2,21)	8,5(2,21)	12,5(3,25)
counterpressure	bar	3	3	4
<b>pH Control</b>				
Electrode probe	--	Glass + bulb	Glass + bulb	Glass + bulb
Transmitter	--	4-20 mA	4-20 mA	4-20 mA
Converter	--	Digital	Digital	Digital
<b>Chemical Tanks</b>				
Material	--	PP / PE / PVC	PP / PE / PVC	PP / PE / PVC
Volume	L (gal)	100(26)	200(52)	200(52)
Diameter	mm (in)	480(19,2)	550(22)	550(22)
Height	mm (ft)	680(2,23)	980(3,22)	980(3,22)

*“simple and cost effective compact systems”*



### DESCRIPTION

VAMEC is a standardized, preassembled waste water treatment system with the necessary components, such as electrical agitator, pumping systems, pH controller, dosing units, sedimentator, activated carbon filter and controls.

### OPERATION

It is a continuous operating waste water treatment plant, according to the precipitation/flocculation principle, with liquid chemical agents application, and with automatic adjustment of the pH value in reaction vessel. It includes an activated carbon filter for final purification.