

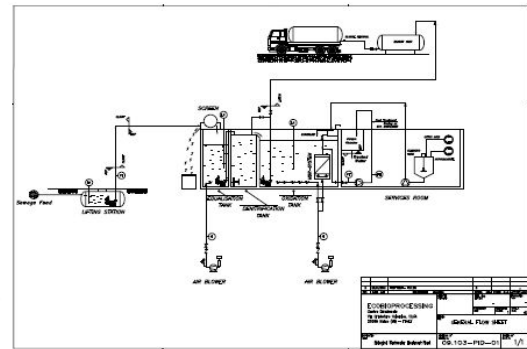


Eco Bio Processing

serving the environment

50 kL/day MBR SYSTEM

CONTAINERISED WASTEWATER TREATMENT AND WATER RECYCLING SYSTEM



SYSTEM CODE:

ITV-EBP/MBR 50

TREATMENT:	50,000 Litres per day Greywater & Blackwater People Equivalent – 200/250	Product Water BOD ₅ Turbidity Bacteria/Virus reduction	Class A/A+ <10 ppm < 1 NTU > log 5
SPECIFICATIONS:			
Feed Collection:	Pre-fabricated sewage lifting station + submersible pump	Safety:	Low Feed Pressure Switch Pressure Relief Valve Motor Overloads
Feed Pre-screening:	1mm screen 304 SS	Material:	Painted Carbon Steel
Equalisation/ Tank:	Internal	PLC:	Siemens or similar
Aeration System:	Centrifugal air blower/ diffusers	Automation:	Auto On/Off + level sensors
Membrane:	2 x High Efficiency Submerged UF Module (MBR SYSTEM)	Instrumentation:	Press, Level, Flow, Temp
Membrane Feed Pump:	Volumetric or Centrifugal	Membrane Care:	CIP
MEASUREMENTS:	9.0m(L) x 2.5m(W) x 3.0m(H)	Tare Wt: 9,000 kg	Gross Wt: 10,000 kg
OPTIONS:	Equalisation Tank – internal or external to container / Remote Monitoring / Post treatment - Hypochlorite Dosing or UV Sterilisation		
CONNECTIONS:	Piping	Feed inlet Product Outlet	DN 50 Water: DN 50 / Sludge: DN50
OPERATIONAL:	Total Installed Power	13 kW	
	Chemicals	NaOH / Hypochlorite (or Citric Acid)	

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