



### System

<b>Manufacturer:</b>	Houston Utility Service
<b>Make:</b>	WWR Mark IV
<b>Type:</b>	Fully automated PLC controlled unit
<b>Process:</b>	Aerobic waste water processing unit

### Volumes

<b>Weight:</b>	8377 lbs (3800kg) empty on skid
	10362 lbs (4700kg) mounted on skid
	24560 lbs (11140kg) working (no skid)
	26544 lbs (12040kg) mounted on skid

<b>Fluid Capacity:</b>	1939 gal (7340L)
<b>Compartments:</b>	1. Balance tank 248 gal (940L)
	2. Separator chamber 346 gal (1310L)
	3,4&5 Aeration chambers 1038 gal (3930L)
	6. Sedimentation chamber 214 gal (810L)
	7. Chlorination tank 92 gal (350L)

### Electrical

<b>Control:</b>	Micrologix PLC
<b>Power Supply:</b>	240Volts 20 amps
<b>Metering Pump:</b>	VFD controlled CP 800 Mono Pump 16 gal/min @ 16.5'
<b>Pump Out Pump:</b>	240 V CP 25 mono 6.6 gal/min @ 16.5'
<b>Sludge Return Pump:</b>	240 V Cp 25 mono 6.6 gal/min @ 16.5'
<b>Aeration Pumps:</b>	3 x 240V Thomas Gardner Denver LP150 HN
<b>UV Systems:</b>	Sterilight silver S12Q-PA
<b>Chlorination System:</b>	Solenoid driven metering pump VMS MF

### Sewage Inlets

	11 x 2" female camlock fittings
	1 x 1 1/4" female camlock fitting for kitchen waste (if stand-alone)

### Parameters

<b>BOD:</b>	<65 (mg/l)
<b>Ecoli:</b>	<75 CFU/100 (ml)
<b>pH:</b>	6.0 – 9.0 (SU)
<b>Chlorine Residual:</b>	2 – 3 (mg/l)

### Engineering

	NATA approved water engineer designed
	Calculated through the Biowin modelling method

### Benefits

	Plug and play for easy set up
	Reduces amount of Trucks on the road
	No Transport of waste disposal
	Very low maintenance
	Scalable for operations of larger accommodation
	Rigid construction Unit is transported full no requirement to pump out
	Treats kitchen & laundry waste through a grease trap
	Controlled irrigation. Dust Suppression, down-hole purposes
	External valve for treated effluent
	Each unit can process up to 10,000 litres per day (20 personnel)
	Engineered to provide "CLASS A" waste dispersed through irrigation system
	Engineer designed to Australian standards