

Biocon I system

Biocon I synoptic data

System capacity: 7.840 liters/Day

Organic load capacity: 4,05 kg BOD5/Day

Overall dimensions: 1320x840x1300 mm

Dry weight: 280kg

Operation weight: 360kg

Voltage: 3x220, 380, 440V, 50Hz or 60Hz other to be requested

Power input: 3,5KW + 0,75KW transfer pump +0,75KW sludge pump

Max Power absorbed in auto cycle: 9A at 380V

All piping and tanks made from SS316, bronze type valves

Electrostatic powder coated

Hydraulic connections

1 1/2" sewage supply from transfer pump or directly to toilets network

1 1/2" sea water supply

1" from sludge outlet to sludge tank

1 1/4" from sludge tank to Biocon inlet

1 1/2" outlet to overboard

1 1/2" vent

Electrical connections

Power supply

From Biocon panel

To transfer pump if there is

To sludge pump

To holding tank level sensor if there is

To sludge tank level sensor

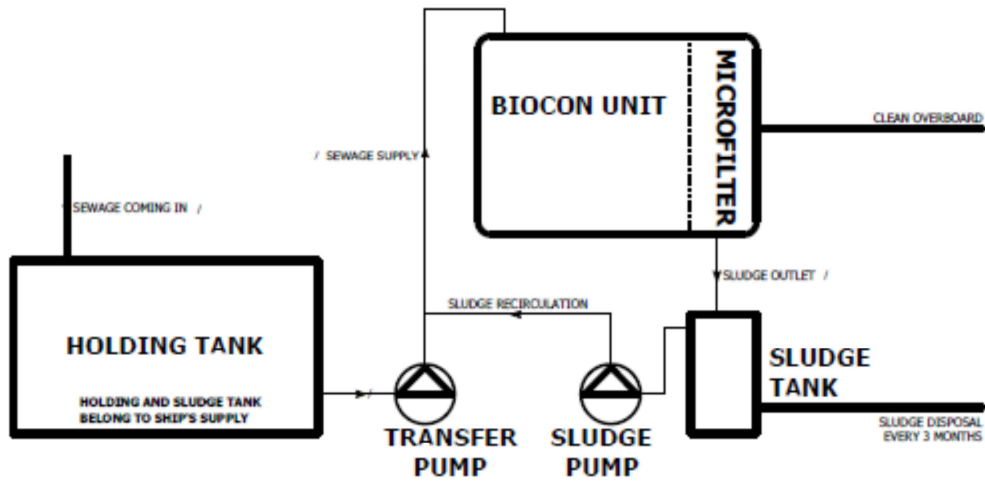
Operation: auto, display of all critical parameters at Biocon visual screen

Manual mode for any operation pumps or filters cleaning

All peripherals, like transfer, sludge pump, level sensors for holding

And sludge tank are controlled from Biocon's panel

CONFIGURATION LAYOUT



When holding tank level sensor is activated, auto cycle begins,
A certain quantity of sewage enters in Biocon unit
Microfilter unit expels sludge to the sludge tank during the process
When in Sludge tank level exceeds high level, then sludge pump recirculates
The upper part of the watered sludge to Biocon unit again
Sludge tank may be ship's supply or may come integrated with Biocon unit.

BIOCON I

- 1 SEWAGE INLET 3"
- 2 INSPECTION DOOR
- 3 LEVEL SENSOR
- 4 CHLORIDE INJECTION POINT
- 5 VENT 48 mm (RUBBER CONNECTION)
- 6 AIR INLET
- 7 MACERATOR
- 8 ELECTRICAL PANEL
- 9 FILTER
- 10 FILTER MOTOR
- 11 OUTLET MANOMETER
- 12 INLET MANOMETER
- 13 PRESSOSTAT
- 14 SLUOGE VALVE 1" M THREAD
- 15 PRESSURE VALVE
- 16 DISCHARGE OVERBOARD (F¹/₄")
- 17 THREE WAY VALVE
- 18 CHLORIDE TANK 10L
- 19 RECYCLING PUMP
- 20 SEA WATER PUMP
- 21 DISCHARGE PUMP

