# Wastewater Treatment System

## Toward Clean Water...

FujiClean
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## Water Quality

**Design influent loading** BOD : 200mg/L SS : 160mg/L T-N : 50mg/L

**FRP**

*Design effluent loading BOD<20mg/L SS<20mg/L T-N<20mg/L*

**Septic tank**

Design effluent loading BOD<100mg/L

## Construction

**Installation period**

**FRP**

*1m³/d*

**2 days**

*20m³/d*

**14 days**

**RC**

*20m³/d*

**28 days**

## Durability

Running cost

*Corrosive gas is generated in the treatment process.*

**FRP**

*Doesn't corrode*

**RC & Brick**

*Thousand of dollars for repair every decade.*

## FujiClean is a Japanese leading manufacture over 10 years in Japan

**50,000 of FujiClean units are installed every year !!**

### Under ground installation

### Above ground installation

Sand fill is required

*Quick installation with stable quality and better price*

**FujiClean provides worldwide service network**

*FujiClean provides maintenance training across the globe.*
*If you are interested in maintenance of wastewater treatment feel free to contact us.*

## Wastewater treatment system

**Design influent loading**

BOD : 200mg/L
SS : 160mg/L
T-N : 50mg/L

**Design effluent loading**

BOD < 20mg/L
SS < 20mg/L
T-N < 20mg/L

## CE Model

1~13.5 m³/d

## PCN Model

PCNⅢ-51W
PCNⅢ-75W
PCNⅢ-100W

20m³/d

## Small sewage treatment plant

## Specifications

| Model Name | | CE- | | | | | | | | | PCNⅢ- | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 7 | 10 | 14 | 18 | 21 | 25 | 30 | 67 | 51W | 75W | 100W |
| Design Hydraulic Loading(m³/day) | | 1.0 | 1.4 | 2.0 | 2.8 | 3.6 | 4.2 | 5.0 | 6.0 | 13.5 | 10 | 15 | 20 |
| Dimension (mm) | Total Volume | 2.063 | 2.834 | 4.047 | 5.672 | 7.306 | 8.524 | 10.122 | 12.110 | 27.40 | 15.48 | 21.05 | 27.32 |
| | Max Width : W | 1,110 | 1,250 | 1,440 | 1,750 | 1,840 | | 1,990 | | ϕ2,000 | | | |
| | Max Length : L | 2,160 | 2,430 | 2,510 | 3,020 | 3,385 | 3,880 | 3,960 | 4,665 | 11,230 | 5,960 | 7,980 | 10,250 |
| | Max Height : H | 1,570 | 1,670 | 1,870 | 1,965 | 2,065 | | 2,215 | | ϕ2,000 | | | |
| | Inlet Invert : A | 310 | | | 400 | | | | | 530 | | | |
| | Outlet Invert : B | 360 | | | 450 | | | | | – | | | |
| | Inlet and outlet Pipe Size | dia. 100 | | | dia. 125 | | | | | dia.150 | | | |
| Total Weight (kg) | | 180 | 210 | 320 | 420 | 480 | 530 | 600 | 700 | 2,400 | 2,100 | 2,700 | 3,200 |
| Corresponding Air Pump Type | | MAC80RⅡ | | MAC100RⅡ | MAC80RⅡ×2 | MAC100RⅡ×2 | | MAC150RⅡ×2 | | MAC200RⅡ×4 | MAC200RⅡ×2 MAC100RⅡ×2 | MAC200RⅡ×3 MAC150RⅡ×2 | MAC200RⅡ×6 |
| Container type | | 20' / 40' | | | | 40'HC | | | | | | | |
| Qty to be put into a 40' container | | 10 | 4 | | 3 | | | | 2 | 1 | | | |
| Qty to be put into a 20' container | | 5 | 2 | | 1 | – | | | | | | | |


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**Local dealer**