

Next-Generation Environmental Purification System

Our company provides the new purification system of water and gas with the activated carbon.

No need to exchange Activated carbon

Patent Technology

On-site auto-regeneration



Our technical products were registered with UNIDO's STePP in 2019.



Size w4,800mm × 3,800mm × h2,800mm

We offer the custom-build or regular production model on demands from our customers.

JTOP Co., Ltd.

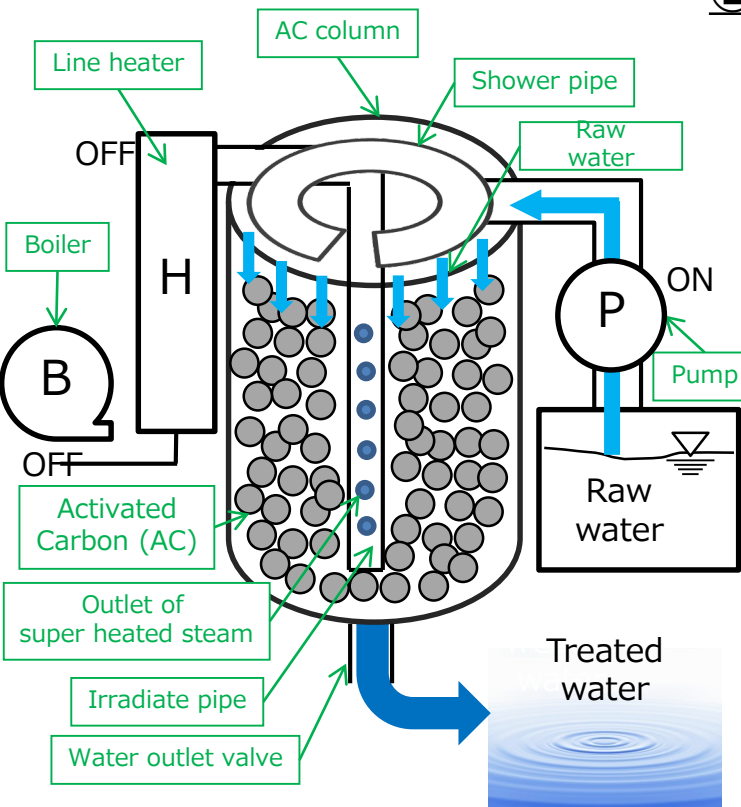
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Osaka 594-0042, Japan
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Patented Pioneering technology/On-site regeneration system

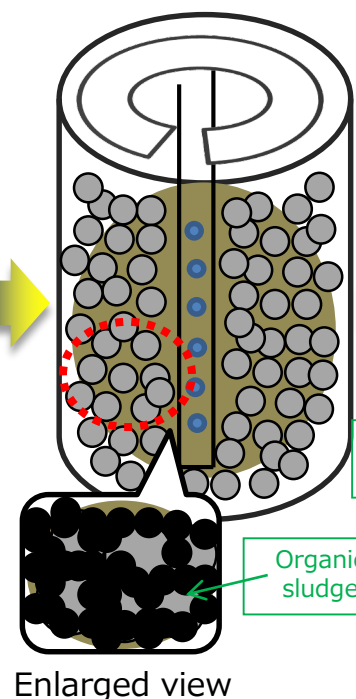
The absorbed substance on an activated carbon is removed by super-heated steam.

→ Regeneration of Activated carbon

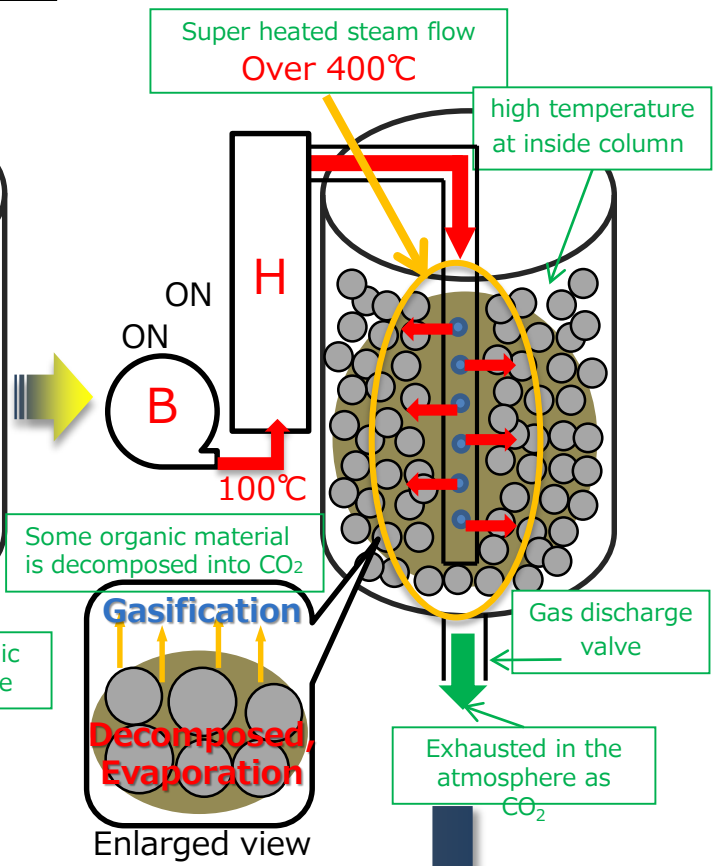
① Purification



② Saturation of AC



③ Regeneration



④ Purify wastewater again (Return to ①)



Thank you for your attention.

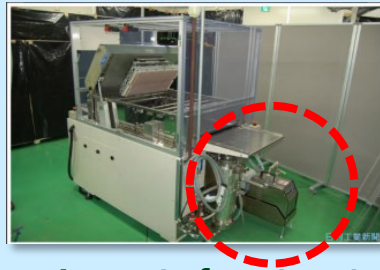
Introduction example

Large size



Amount of wastewater
600m³/day

Small size



Amount of wastewater
50L/day

Medium size



Amount of wastewater
120m³/day

For high concentration



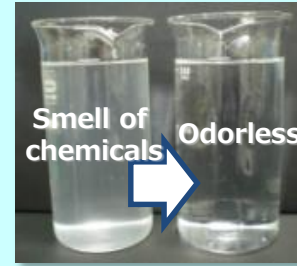
COD 20,000mg/L
⇒ 100mg/L以下に処理



Other Products

Test results on the pilot testing machine

Factory drainage



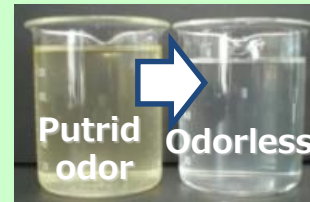
Formaldehyde:
9,900mg/L → 2,600mg/L

Factory drainage



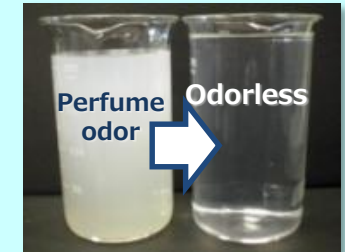
Phenol:
14,000mg/L → 0.5mg/L

Industrial wastewater



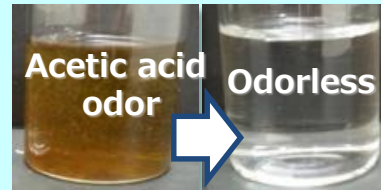
BOD:
12,000mg/L → 680mg/L

Cosmetic factory drainage



Extraction with *n*-hexane:
240mg/L → 3mg/L

Pyroligneous liquid



BOD
:4,700mg/L → 300mg/L

Livestock drainage



TOC: 120mg/L → 8mg/L