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# Ube Kogyo, Ltd.

**Location** : 874-1 Oaza-Tsumazakikaisaku, UBE-CITY, YAMAGUCHI-KEN, 755-0204, Japan

**Representative** : Mitsunobu KAWANO

| Business Classification | Capital      | No. of Employees | Established |
|-------------------------|--------------|------------------|-------------|
| Steel, Steel structures | ¥120,000,000 | 215              | 1948        |

**Description of Business** : We offer various services such as oil plants, chemical plants, airport fuel oil supply facilities, bridges, water gates, dust collector, food processing machines, harbor construction, civil engineering, dredging work and general constructions. Our motto is "Contribution to the development of our future society with high technology", we have been striving to reach this goal for 50 years since its foundation.

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| <b>Main Products and Business :</b> |
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| Oil plants / Chemical plants / Airport fuel oil supply facilities / Bridges / Water gates / Dust collector / Food processing machines / Harbor constructions / Civil engineering / Dredging work / and General construction |
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| <b>Qualified Permits, Registrations and Others :</b> |
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| Construction / 1st class architect office / Approved factory for steel structure works / Septic tank work builder, Real estate broker |
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| <b>Licensed and Qualified Engineers &amp; Specialists :</b> |
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| 6 architects (1st class) / 32 construction control technicians (1st class) / 46 civil work control technicians (1st class) |
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## Environmental Preservation Activities

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| <b>Environmental Pollution Prevention</b> | Collecting equipment for gasoline vapor and volatile organic compounds (VOC) (equipment for preventing air pollution) |
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## Eco-business and Eco-products

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| <b>Eco-products</b>                            | Equipment for preventing air pollution (vapor collection equipment such as VOCs) |
| <b>Services for Environmental Preservation</b> | Treating vessel waste oil  |



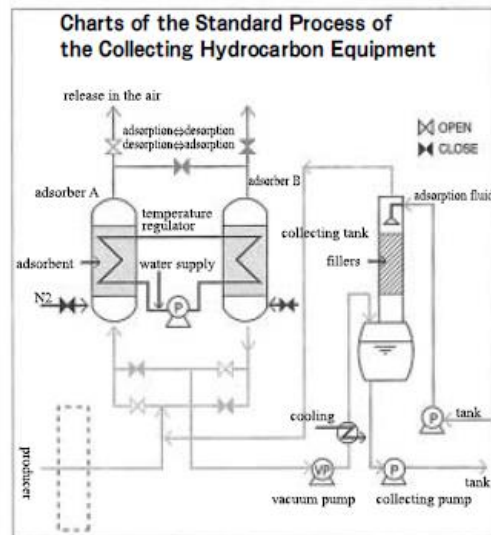
## Collecting Hydrocarbon Vapor Equipment

### Ultra-VRAS



This plant collects valuable hydrocarbon resources efficiently and prevents air pollution caused by hydrocarbon vapor. Air pollution occurs during manufacturing, receiving and shipping in the oil refinery factories, oil tanks and oil chemical factories. The plant can be used to vaporize hydrocarbon like solvents such as gasoline, naphtha, and jet fuel.

- high-performance
- compact
- low cost
- long life
- perfect safety record
- wide variety



#### Outline of the process

- Adsorption method PTSA method
- During the operation of the adsorber A, the adsorber B operates for desorption.
- Operation temperature: below 80°C
- Operation pressure: general pressure ~ about 25Torr
- The adsorption fluid uses the undiluted solution that generates vapor.

#### Further Information on Environmental Technology

Ube Kogyo, Ltd.

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