

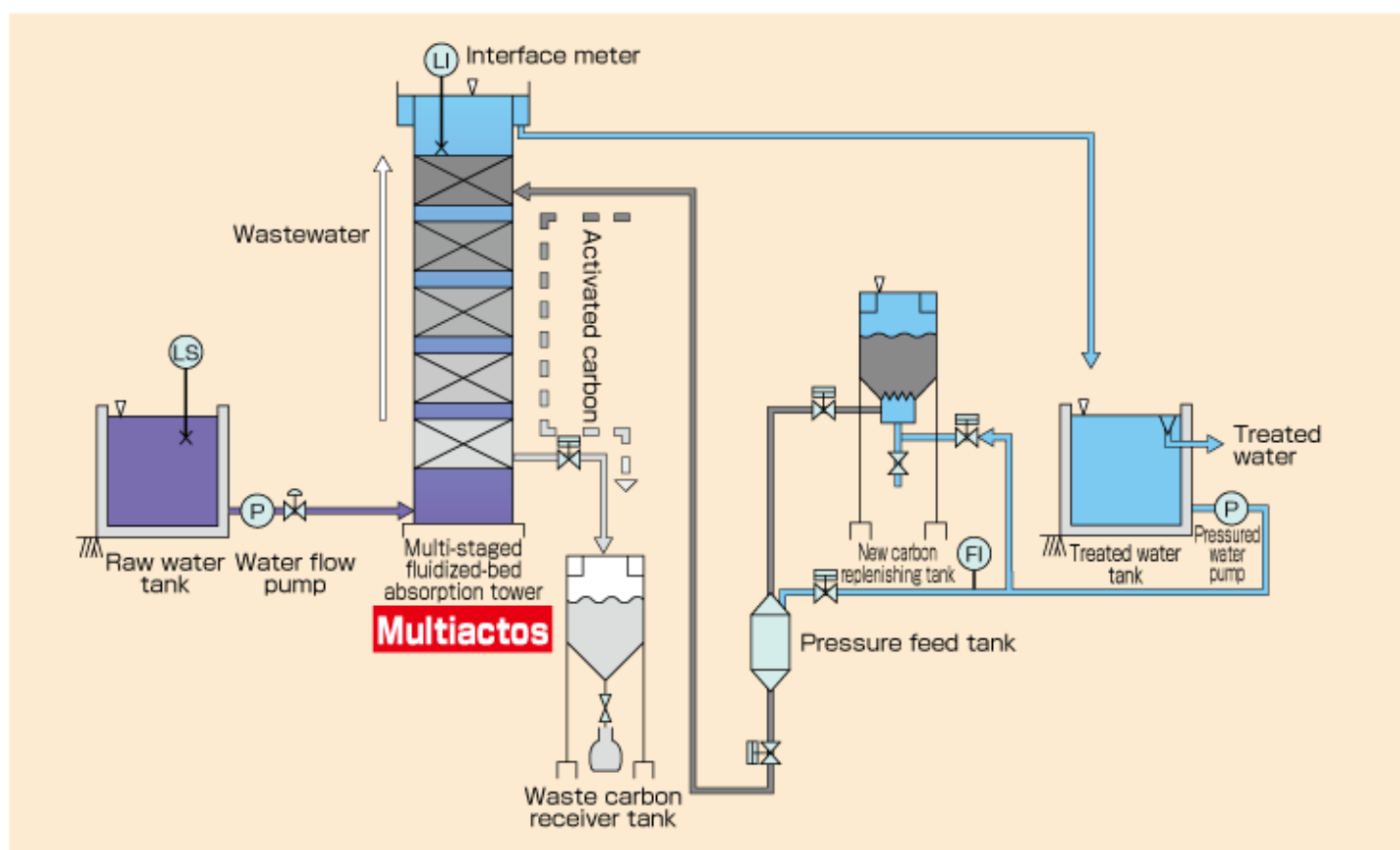
## Industrial Water Treatment

### Multi-Staged Fluidized-Bed Activated Carbon Absorption Equipment "Multiactos"

#### Fluidized bed saves space and reduces cost.

The multi-staged fluidized bed allows for continuous feed and extraction of activated carbon.

Multiactos achieves smaller space and lower cost than the conventional fixed-staged fluidized-bed activated carbon absorption equipment, and provides many advantages including easy operation and maintenance.



#### Features

- Lower operating cost  
Multiactos provides higher usage and contact efficiency of activated carbon to reduce the running cost, compared with the fixed-bed type.
- Addresses variation of wastewater quality  
By adjusting the feed quantity of activated carbon, the quality of treated water can be kept constant even when the wastewater quality changes.
- Saves space and reduces facilities cost  
Being different from the fixed-bed type, continuous operation for the entire tower is available and the absorption speed is high, reducing the equipment size and cost.
- Backwash is not necessary  
The fluidized-bed does not suffer from blocking by contaminating materials contained in the wastewater as seen with the fixed-bed type, eliminating need for backwash.

- Saves labor

Unmanned operation allows for easy operation and management, enables significantly labor saving.

## Major Applications

While Multiactos may be used for primary treatment, it can also be used in combination with other treatment equipment for secondary or more advanced treatment to be more effective and economical. It is particularly suitable for the water treatment types listed below. Advanced treatment allows treated water to be reused as cooling water or processes water.

- Treatment of factory effluent containing organic substances (for chemical, food, iron, paper, medicine, etc.)
- Decoloration of colored wastewater
- Oil removal from wastewater containing oil (oil refinement wastewater, petrochemistry wastewater, etc.)

Water Infrastructure Marketing and Sales Department for Private Sector, Marketing and Sales Division, Environmental Engineering Business Unit, Kobelco Eco-Solutions Co., Ltd.

For inquiries about this equipment, please complete and send in an inquiry form.

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