

Ke-P1-16a - Water Treatment

This [Collapsible Rapid Deployment Module](#) has all the [standard features](#). It was developed for the [Star Army of Yamatai](#) as part of the [Type 33 Prefab Outpost Modules](#). It became available in [YE 33](#).



About the Ke-P1-16

The Ke-P1-16 provides a large scale water treatment facility for use by soldiers in the Outpost. The refresher is removed from the CRDM.

Details

Organization Using This item: [Star Army of Yamatai](#) Type: Water Treatment Nomenclature: Ke-P1-16
Designers: [Ketsurui Zaibatsu](#) Research and Development teams, [Star Army of Yamatai](#) Manufacturers: [Ketsurui Fleet Yards](#) Entered service: [YE 33](#)

Water System

The Ke-P1-16 has five tanks for storing drinkable water. It has one tank for untreated water, this can be water transferred from other CRDM, or pumped into the tank from a local water supply.

- Each tanks holds 12,566 liters (3,319 gallons), total capacity 62,830 liters (16,595 gallons)
- Purification capacity: 2,000 liters an hour

Filtration

All water is passed through a series of filters to remove any solid matter from waste water. The removed matter is then transferred to a drier which heats it and removed all moisture. The dried matter is then put into a [hemosynth](#) processor which brakes it down into its basic elements and produces blocks that can be used in a [Ke-P1-06a - Workshop](#).

Purification

The filtered water is then run through a pressure tank where it is heated to above boiling, the water then passes into a cooling tank and then through an osmosis system to purify the water and produce potable water. The purified water is then stored in reservoirs until it is needed.



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Last update: **2023/12/21 02:26**

