

# Yugumo Standard Life Support Systems

In [YE 43](#), the [Yugumo Corporation](#) launched a standardisation program for their starship subsystems similar to that of those produced for the [Star Army of Yamatai](#). The Standard Life Support Systems was one of the first systems to fall under this new project.

Yugumo Corporation Standard Life Support Systems	
Faction	<a href="#">Yamatai Star Empire</a>
Nomenclature	Life Support Subsystem, Type 43
Designer	<a href="#">Yugumo Corporation</a>
Manufacturer	<a href="#">Yugumo Corporation</a>
Fielded by	<a href="#">Yugumo Corporation</a>
Price	500KS (and up)
Production	Mass Production

## About Yugumo Corporation Standard Life Support Systems

The [Yugumo Corporation](#) wanted to design a standard set of life support systems that set a higher level of quality for the civilian market. They wanted to use reliable and established technologies such as [Utility Fog](#) and other types of [Programmable Matter](#) to assist with traditional maintenance of habitat onboard their starships that could be scaled depending on ship class and size. The system is comparable to the [Nodal Liquid Conduit System](#) but functions on a much more basic level.

## Components

Components of the Standardized Life Support System are listed below.

### Atmospheric System

The basic atmospheric system relies on a system that conducts the [electrolysis of water](#) to create oxygen for the breathable atmosphere on ships. The electrolysis systems onboard [Yugumo Corporation](#) ships uses [pyrochlore](#) as an electrolysis catalyst. Water sources for the atmospheric system are also generally [brine](#) to reduce the amount of power required to conduct electrolysis which is helpful during low power situations. Forcefield generators are used during battle conditions to increase the compartmentalization of ships to maintain the atmosphere in damaged sections. [Utility Fog](#) using simple nanomachines is used to assist with scrubbers and filters to purify and remove carbon dioxide and other waste products from the atmosphere.

## Water System

The Water System on [Yugumo Corporation](#) ships consists of a series of scalable pumps and tanks depending on the ship class. Water tanks receive water from planetary sources or cargo tankers as part of the ship's resupply. Water undergoes filtration and/or desalination through [reverse osmosis](#) systems. Complex multistage filtration systems in combination with [Utility Fog](#) chambers help reclaim water from waste.

Some vessels can use graviton beam systems to capture water asteroids that are melted and processed for water as well.

## Sanitization System

Onboard ship compartments are scrubbed clean by the use of [Utility Fog](#) that can be pumped into unoccupied parts of the ship. The nanomachines in the fog are used to capture and dispose of dust and other debris to clean surfaces. These machines can also deploy [ultraviolet radiation](#) to assist with the sanitization of surfaces.

## OOC Notes

[Andrew](#) created this article on 2021/01/09 10:05.

- [Approval Thread](#).

Products & Items Database	
Product Categories	subsystems
Product Name	Yu Standard Life Support Systems
Nomenclature	Type 43 Life Support System
Manufacturer	<a href="#">Yugumo Corporation</a> , <a href="#">Yugumo Fleetworks</a>
Year Released	<a href="#">YE 43</a>
Price (KS)	500.00 KS

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