

Equipment – Collapsible Auxiliary Fuel Tankage (CAFT)

The TL12 Collapsible Auxilliary Fuel Tankage (CAFT) is an optional addition to a cargo bay to store liquid hydrogen as additional fuel tankage inside the cargo bay. The material is flexible and conforming so no cargo capacity is wasted. Each CAFT is crafted for a specific cargo bay. Interchangeability is possible for identical cargo bays. Fuel Transfer Pumps are necessary to use the CAFT, so each cargo bay has to be fitted with the appropriate equipment (one Fuel Transfer Pump per CAFT). All CAFTs have a Cellular Design which allows incremental filling and emptying, as well as refining into the CAFTs when Fuel Processors are installed (unrefined fuel to be pumped through the processor into the CAFT (in increments of the cellular capacity (usually 2tons for ACS). Processing is possible from CAFT into another CAFT or from Main Tankage into CAFT or vice versa.

Outfitters usually have CAFTs available for the most common adventure class ships (e.g. Free Trader, Far Trader, Subsidized Merchant, etc.), though there are some ships that simply do not have enough cargo space. These Standard CAFTs have the necessary Fuel Transfer Pumps slotted into their respective deployment frames. These standard CAFTs are available at a discount. See below.

Individually manufactured CAFT per 10 ton cargo bay filled:
0,1 ton (1 percent reduction in capacity) and 0,1 MCr

Installation of piping or additional fuel transfer pumps requires at least Class C starwort facilities, an additional week of layover and lots of credits. Ships with Fuel Processors usually have the necessary piping already in place. Also available are man-portable Fuel Transfer Pumps (MFTP), but the Ship needs to have the required piping installed to

use these pumps.

Scout/Seeker Type J: This is a modified surplus Type-S Scout/Courier that has two 10 ton ore bays and already comes with a 10 ton Dismountable Fuel Tank, reducing ore capacity to 10 tons and increasing fuel capacity to 40 tons. As CAFTs are available from 10tons capacity up, there is no CAFT for the Scout/Seeker or any ship with less than 10tons in a single cargo bay available. The standard Type-S has only 3tons of cargo.

Safari Ship

Free Trader, Far Trader, Armored Merchant, Fat Trader, etc.

10ton CAFT, 1ton packaged, Fuel Transfer Pumps included, Cellular Design (2ton Cells)

20ton CAFT, 2ton packaged, Fuel Transfer Pumps included, Cellular Design (2ton Cells)

30ton CAFT, 3ton packaged, Fuel Transfer Pumps included, Cellular Design (2ton Cells)

40ton CAFT, 4ton packaged, Fuel Transfer Pumps included, Cellular Design (2ton Cells)

Similar Equipment

Dismountable Fuel Tanks (DFT): These auxiliary tanks are included in the original ship design (see Seeker Class).

DropTanks (DT): These are external Tanks that are jettisoned prior to Jump (see Gazelle Class).

Fuel Bays (FB): Cargo Bays designed to carry fuel or liquids (see Traveller 5 Core Rules)