

Plasma Drive/Circulation/Transmission System (P-DCT)

Like the Full Spectrum Barrier system, P-DCT is another emergent technology of the Winter defense project. By taking a series of similar systems (in this case propulsion) and using them in harmony, a greater net-performance can be achieved.

The role of the P-DCT is to collect and manage different and store them as water and then super-heat and combust them as plasma and control the various densities, temperatures and wavelengths of the plasma for different purposes.

*Note that many system will be shown below. P-DCT is designed to be customized depending on it's application. For example, a unit that roams across massive environments with very few refueling stations will need a collector whereas a unit that is designed to stay near a refueling vessel will not. *Unit refers to the armor, starship, etc that the system is built into.*

Collection

Small ports are placed in various locations on the unit which allow for the intake of ambient matter which is then stored in a container system.

Storage

AMX-PS-01

Super-dense gas-containers Several high pressure containers are located in various sections of the unit and by default hold 50 Lbs of compressed hydrogen and helium gases which are used to fuel the unit's plasma drive and weapon systems. This system is designed for Power-Armor operation, specifically the [AMX-101 WINTER](#).

Activation & Conversion

The collected gases are harnessed for use in antimatter reactions and to be converted into plasma for drive and weapon functions by careful management of pressure, temperature, densities and output wave-lengths.

AMX-PC-1

AMX Series High-energy electrical activation/conversion chambers Stored gas which is to be sent to the thruster, shield, and weapon systems of the unit is put through a pair of plasma-generating chambers. One of these chambers utilizes an arc of electrical current to heat the gas matter or even in some cases dust matter to sufficient temperatures to be converted into a plasma.

AMX-PC-2

High intensity focus-lasers After basic activation & conversion to make the plasma usable, high intensity lasers are used to accelerate and heat the plasma to even higher temperatures which are ideal for combat.

Everything seen here has been pre-approved in the [AMX-101 WINTER](#)

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