

TETHERS UNLIMITED, INC.



HYDROS™-C WATER PROPULSION SYSTEM

SPECIFICATIONS

SPECIFIC IMPULSE

>310s

SIZE

190x130x92 mm

TOTAL IMPULSE DELIVERED

>2,151

ORBIT-AVERAGED THRUST

2.2mN

POWER

5-25W

WATER CAPACITY

0.5 kg

THRUST EFFICIENCY

0.13 MN/W

COMMAND INTERFACE

RS-422, Ethernet

DRY MASS

2.2 kg

IMPULSE PER THRUST EVENT

>1.75 Ns

QUALIFICATION LEVEL

TRL 6+

WET MASS

2.7 kg

TOTAL # THRUST EVENTS

1230 thrust events

THRUST

>1.2 N

TIME TO REFILL GAS PLENUMS

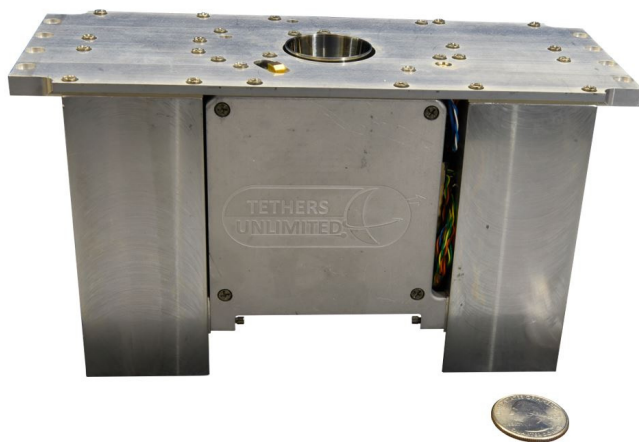
825 s

LIFETIME

3 years LEO

MOUNTING

Deck or Rail Mount Options



DESCRIPTION

The HYDROS thruster is a modular and scalable system. HYDROS-C is sized for CubeSat spacecraft. The size and configuration of the water tank can be tailored to fit the mission requirements of the spacecraft. HYDROS also includes integrated avionics to greatly simplify the commanding interface and integration to the host spacecraft.



Onboard Crypto
Available



AS9100
Certified



Flight
Qualified



High Specific
Impulse



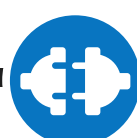
Safe "Green"
Propellant



Superior
Thrust-to-Power



Customizable Fuel
Capacity



Plug-N-Play
Integration