

TETHERS UNLIMITED, INC.

HYDROS™-M

WATER PROPULSION SYSTEM



SPECIFICATIONS

SPECIFIC IMPULSE

>310s

SIZE

Ø 381 x 191 mm

TOTAL IMPULSE DELIVERED

>18,000

ORBIT-AVERAGED THRUST

6.8 mN

POWER

7-40 W

WATER CAPACITY

6.0 kg

THRUST EFFICIENCY

0.16 mN/W

COMMAND INTERFACE

RS-422, Ethernet

DRY MASS

7.7 kg

IMPULSE PER THRUST EVENT

>1.75 Ns

QUALIFICATION LEVEL

TRL 6+

WET MASS

13.7 kg

TOTAL # THRUST EVENTS

10,300

THRUST

>1.2 N

TIME TO REFILL GAS PLENUMS

269s

LIFETIME

3 years LEO

MOUNTING

Deck or Rail Mount Options



DESCRIPTION

The HYDROS thruster is a modular and scalable system. It is currently available in two flight-qualified configurations, and TUI can customize a design to your mission needs. HYDROS-M is sized for micro-satellites, and is designed to fit inside a 15" separation ring.



Onboard Crypto Available



AS9100 Certified



Flight Qualified



High Specific Impulse



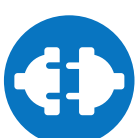
Safe "Green" Propellant



Superior Thrust-to-Power



Customizable Fuel Capacity



Plug-N-Play Integration