



High-Performance Water-Based Propulsion for Small Satellites



### Why Fly HYDROS?

- 💧 Safe “Green” Propellant
- 💧 Superior Thrust-to-Power
- 💧 High Specific Impulse
- 💧 Plug-N-Play Integration
- 💧 Customizable Fuel Capacity
- 💧 Onboard Crypto Available
- 💧 Flight Qualified



### HYDROS-M

> 310 s  
 > 1.2 N  
 6.8 mN  
 0.16 mN/W  
 > 1.75 Ns  
 10,300  
 > 18,000  
 6.2 kg  
 6.4 kg  
 12.6 kg  
 269 s  
 Ø 381 x 191 mm  
 7-40 W  
 3 years LEO  
 Within 15” separation ring  
 RS-422, Ethernet  
 TRL 6+

### Specifications

Specific Impulse  
 Thrust  
 Max Effective Continuous Thrust  
 Thrust Efficiency  
 Impulse per Thrust Event  
 Total # Thrust Events  
 Total Impulse Delivered  
 Water Capacity  
 Dry Mass  
 Wet Mass  
 Time to Refill Gas Plenums  
 Size  
 Power  
 Lifetime  
 Mounting  
 Command Interface  
 Qualification Level

### HYDROS-C

> 310 s  
 > 1.2 N  
 2.2 mN  
 0.13 mN/W  
 > 1.75 Ns  
 1,230  
 > 2,151  
 0.74 kg  
 1.87 kg  
 2.61 kg  
 825 s  
 190 x 190 x 92 mm  
 5-25 W  
 3 years LEO  
 Deck or Rail Mount Options  
 RS-422, Ethernet  
 TRL 6+

Flight Units Available Now!

Tethers Unlimited, Inc.

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