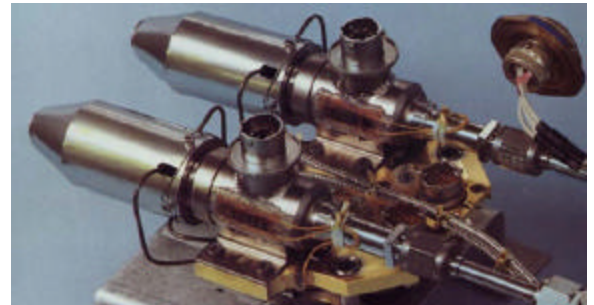


# MRE-1.0 Monopropellant Thruster

For satellite attitude and velocity control.

## Technical Data

Propellant	Hydrazine
Thrust at maximum operating pressure	4.4 N
Steady state specific impulse at 250 psia inlet pressure	220 sec
Operating pressure range	50-400 psia
Life (demonstrated)	
• Maximum throughput	122 kg
• Maximum cycles	421,000
Thrust valve power at 28 Vdc	8.5 W
Weight	0.5 kg
Envelope (width x length)	190mm x 38mm



## Spacecraft Programs

DTM - Pioneer, HEAO, TDRSS, FLTSATCOM, EOS, SSTI, SOHO  
TOMS, KOMPSAT, ROCSAT, STEP4, STEP1