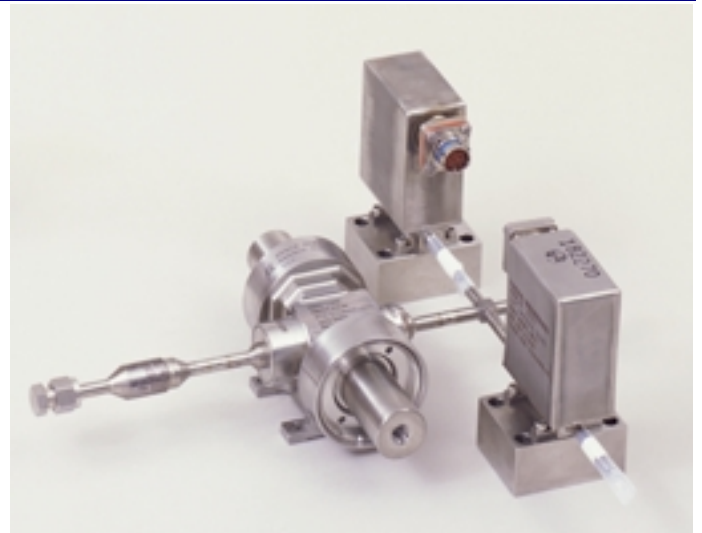


DESCRIPTION

VACCO Industries offers a Pressure Regulation Module (PRM) designed to meet the industry's demand for high reliability, tight leakage, and high accuracy at extremely low xenon flows.

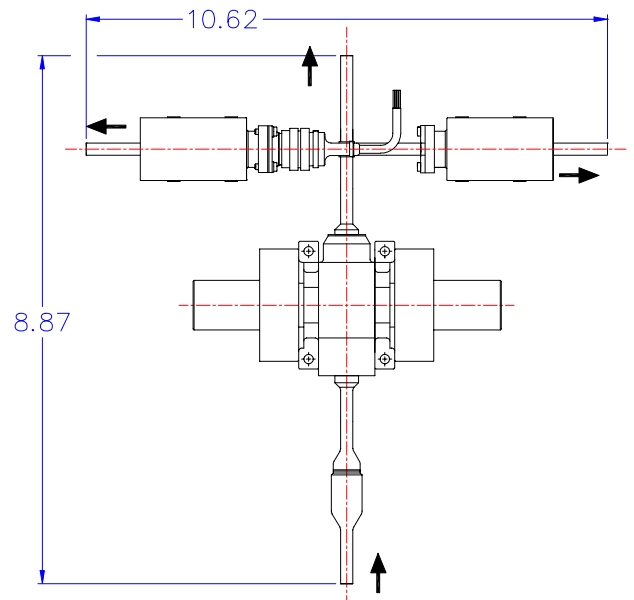
The PRM is a pre-integrated assembly that provides regulated Xenon gas to Flow Control Modules that meter propellant to the electric thrusters. The PRM also provides filtration of the Xenon and Latching Valves to allow remote isolation of Thruster Branches.

The PRM utilizes VACCO's proven space components. The components are fully developed for electric propulsion and other applications.



FEATURES

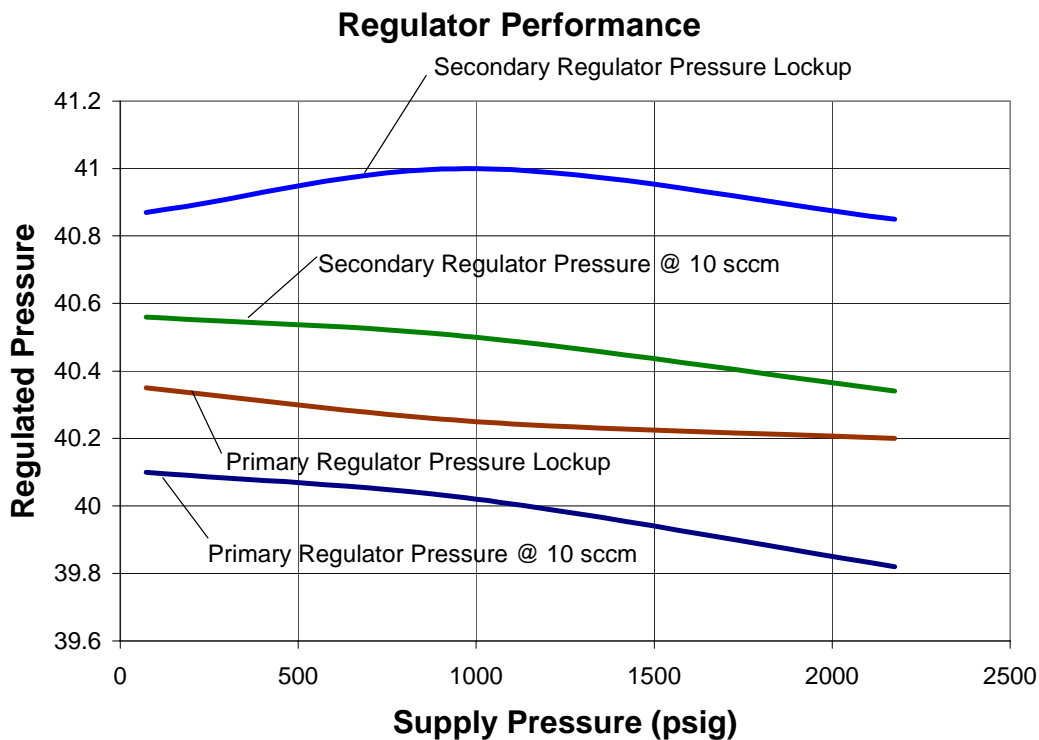
- ⊕ Operating Pressure: 0 to 2175 psig
- ⊕ 3 Outlet Ports
 - 2 Ports: To Thruster Branches
 - 1 Port: Pressure Transducer
- ⊕ Remote Isolation Capability
- ⊕ Integral Position Indication
- ⊕ Integral 5 μ Absolute System Filter
- ⊕ Zero Xenon Leakage
- ⊕ Precision, Series Redundant, Regulator



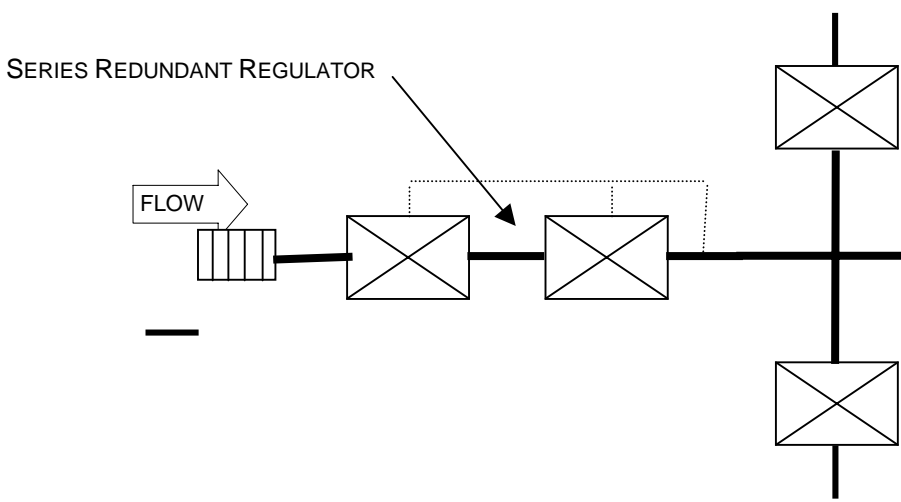
OPERATING PARAMETERS

Operating Pressure Range	0-2175 psia	Internal Leakage.....	<1.0 scch GHee
Proof Pressure.....	3250 psia	External Leakage	1 X 10 ⁻⁶ scchs GHee
Burst Pressure	5400 psia	Operating Temperature.....	-17° to 70° C
Regulated Pressure	40 psig	Cycle Life.....	>25,000 Cycles
Accuracy	± 0.36% psi	Weight.....	4.22 lbm

PERFORMANCE CHARACTERISTICS



SCHEMATIC



 5 Micron Filter
  Latch Valve